C Number:	C99989
Lock Date:	Not Entered.
Cage Range:	All
Date Range:	All
Reasons For Removal:	All
Removal Date Range:	All
Treatment Groups:	All
Study Gender:	Both
PWG Approval Date	07/12/1988

ANIMAL ID: 11	**TRT#:** 1	**SEX:** Male	**DAY ON TEST:** 647
	DOSE: CONTROL	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	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	Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland
Nose	Pancreas	Parathyroid Gland	Prostate
Salivary Glands	Seminal Vesicle	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

OBSERVATIONS

Heart		Cardiomyopathy	Chronic, Mild
Kidney		Nephropathy	Chronic, Moderate
Liver		Basophilic Focus	Minimal
		Clear Cell Focus	Minimal
	Serosa	Hemorrhage	Mild
Lung		Hyperplasia	Lymphoid, Mild
Pituitary Gland		Pigmentation	Moderate
[Pigmentation TGLS = 4-2]			
Preputial Gland		Ectasia	Moderate
Testes	Bilateral, Interstit Cell	Adenoma	
Note: ADENOMA TGLs = 1,2-8,8.1			
Tongue		Squamous Cell Papilloma	
Note: SQ CL PAPILLOM TGLs = 5-13			
Zymbal's Gland		Ectasia	Minimal

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 12	**TRT#:** 1	**SEX:** Male	**DAY ON TEST:** 647
	DOSE: CONTROL	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - 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
Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Preputial Gland
Prostate	Salivary Glands	Seminal Vesicle	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	Zymbal's Gland

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Multifocal, Mild
Heart		Cardiomyopathy	Chronic, Mild
	Atrium	Thrombosis	
Kidney		Nephropathy	Chronic, Moderate
Note: NEPHROPATHY TGLs = 4-5			
Liver		Basophilic Focus	Minimal
	Bile Duct	Hyperplasia	Mild
Lung		Hyperplasia	Lymphoid, Mild
Testes	Bilateral, Interstit Cell	Adenoma	
Note: ADENOMA TGLs = 1,2,3-8,8.1			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 13	**TRT#:** 1	**SEX:** Male	**DAY ON TEST:** 531
	DOSE: CONTROL	**DISP:** Dead	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Heart		Cardiomyopathy	Chronic, Moderate
Liver	Centrilobular	Necrosis	Diffuse, Marked
Note: NECROSIS TGLs = 3-3.1			
Lung		Hyperplasia	Lymphoid, Minimal
Mesentery	Fat	Necrosis	Moderate
Note: NECROSIS TGLs = 2-13			
Preputial Gland		Adenoma	
Note: [ADENOMA] TGLs = 1-8.2			
Testes	Bilateral, Interstit Cell	Adenoma	
Note: ADENOMA TGLs = 4,5-8,8.1			
Urinary Bladder		Edema	Moderate
Note: EDEMA TGLs = 6-8.2			
Zymbal's Gland		Ectasia	Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 14	**TRT#:** 1	**SEX:** Male	**DAY ON TEST:** 529
	DOSE: CONTROL	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone Marrow	Brain	Esophagus
Intestine Large - Colon	Islets, Pancreatic	Lymph Node - Mandibular	Lymph Node - Mesenteric
Nose	Parathyroid Gland	Pituitary Gland	Preputial Gland
Salivary Glands	Skin	Thyroid Gland	Trachea

MISSING

Mammary Gland	Thymus

OBSERVATIONS

Adrenal Gland	Bilateral, Cortex	Mesothelioma Malignant	Metastatic (Testes)
Epididymis		Mesothelioma Malignant	Metastatic (Testes)
Heart		Cardiomyopathy	Chronic, Mild
Intestine Large	Cecum, Rectum	Mesothelioma Malignant	Metastatic (Uncertain Primary Site)
Intestine Small	Duodenum, Ileum, Jejunum	Mesothelioma Malignant	Metastatic (Testes)
Kidney	Bilateral	Mesothelioma Malignant	Metastatic (Testes)
	Renal Tubule	Pigmentation	Marked
Liver		Basophilic Focus	Minimal
		Mesothelioma Malignant	Metastatic (Testes)
Note: MESOTHELIO MAL TGLs = 6-3.1			
Lung		Hyperplasia	Lymphoid, Mild
Mesentery		Mesothelioma Malignant	Metastatic (Testes), Multiple (Testes)
Note: MESOTHELIO MAL TGLs = 2-13			
Pancreas		Mesothelioma Malignant	Metastatic (Testes)
Prostate		Mesothelioma Malignant	Metastatic (Testes)
Seminal Vesicle	Bilateral	Atrophy	Moderate
	Bilateral	Mesothelioma Malignant	Metastatic (Testes)
Spleen		Mesothelioma Malignant	Metastatic (Testes)
Stomach	Forestomach, Glandular	Mesothelioma Malignant	Metastatic (Testes)
Testes	Interstit Cell	Adenoma	
		Atrophy	Marked
	Bilateral	Mesothelioma Malignant	
[Adenoma TGLS = 4-8.1]			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 14	**TRT#:** 1	**SEX:** Male	**DAY ON TEST:** 529
	DOSE: CONTROL	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

[Atrophy TGLS = 3-8]		
Urinary Bladder	Mesothelioma Malignant	Metastatic (Testes)
Zymbal's Gland	Ectasia	Minimal

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 15	**TRT#:** 1	**SEX:** Male	**DAY ON TEST:** 452
	DOSE: CONTROL	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
Adrenal Gland - Cortex	Adrenal Gland - Medulla	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	Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland
Nose	Pancreas	Parathyroid Gland	Preputial Gland
Salivary Glands	Stomach - Forestomach	Stomach - Glandular	Testes
Thymus	Thyroid Gland	Trachea	Urinary Bladder
MISSING			
Pituitary Gland	Seminal Vesicle		
OBSERVATIONS			
Heart		Cardiomyopathy	Chronic, Minimal
Kidney		Nephropathy	Chronic, Moderate
Note: NEPHROPATHY TGLs = 3-5			
Liver		Hematopoietic Cell Proliferation	Minimal
		Hepatodiaphragmatic Nodule	
Note: ANOM HEPAT LOB TGLs = 2-3.1			
Lung		Hyperplasia	Lymphoid, Mild
Prostate		Inflammation	Chronic Active, Mild
Skin	Subcut Tiss	Sarcoma	
Note: SARCOMA TGLs = 4-10.1			
Spleen		Hematopoietic Cell Proliferation	Moderate
Zymbal's Gland		Ectasia	Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 16	**TRT#:** 1	**SEX:** Male	**DAY ON TEST:** 505
	DOSE: CONTROL	**DISP:** Dead	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow	Epididymis	Esophagus	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Kidney	Lymph Node - Mandibular
Lymph Node - Mesenteric	Nose	Pancreas	Parathyroid Gland
Pituitary Gland	Preputial Gland	Prostate	Salivary Glands
Seminal Vesicle	Skin	Stomach - Glandular	Testes
Thymus	Thyroid Gland	Trachea	Urinary Bladder
Zymbal's Gland			

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Cortex	Leukemia Mononuclear	
	Medulla	Leukemia Mononuclear	
Brain		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 1-1			
Heart		Cardiomyopathy	Chronic, Mild
		Leukemia Mononuclear	
Liver		Leukemia Mononuclear	
	Centrilobular	Necrosis	Mild
Lung		Leukemia Mononuclear	
Preputial Gl			
Note: ONLY ONE GLAND IS PRESENT..			
Spleen		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 2-3			
Stomach	Forestomach	Ulcer	Moderate
Zymbals Gl			
Note: ONLY ONE GLAND IS PRESENT..			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 17	**TRT#:** 1	**SEX:** Male	**DAY ON TEST:** 581
	DOSE: CONTROL	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	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	Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland
Nose	Parathyroid Gland	Salivary Glands	Seminal Vesicle
Skin	Spleen	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

OBSERVATIONS

Heart		Cardiomyopathy	Chronic, Mild
Kidney		Nephropathy	Chronic, Mild
Liver		Basophilic Focus	Mild
		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Mild
Note: ANOM HEPAT LOB TGLs = 1-3.1			
Lung		Hyperplasia	Lymphoid, Mild
Pancreas		Atrophy	Mild
Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-2]			
Preputial Gland		Atrophy	Moderate
Prostate		Inflammation	Chronic Active, Mild
Stomach	Forestomach	Acanthosis	Mild
Testes	Bilateral, Interstit Cell	Adenoma	
Note: ADENOMA TGLs = 4,5-8,8.1			
Zymbal's Gland		Ectasia	Minimal

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 18	**TRT#:** 1	**SEX:** Male	**DAY ON TEST:** 647
	DOSE: CONTROL	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	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	Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland
Nose	Pancreas	Parathyroid Gland	Pituitary Gland
Preputial Gland	Salivary Glands	Seminal Vesicle	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

OBSERVATIONS

Heart		Cardiomyopathy	Chronic, Mild
Kidney		Nephropathy	Chronic, Moderate
Liver		Basophilic Focus	Minimal
		Clear Cell Focus	Minimal
		Degeneration	Cystic, Focal, Minimal
		Eosinophilic Focus	Mild
	Bile Duct	Hyperplasia	Mild
Note: EOSIN FOCUS TGLs = 3-3.2			
Lung		Hyperplasia	Lymphoid, Mild
Mesentery	Fat	Necrosis	Moderate
Note: NECROSIS TGLs = 4-13			
Prostate		Hyperplasia	Glandular, Focal, Minimal
Testes	Bilateral, Interstit Cell	Adenoma	
Note: ADENOMA TGLs = 1-8,8.1			
Zymbal's Gland		Ectasia	Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 19	**TRT#:** 1	**SEX:** Male	**DAY ON TEST:** 645
	DOSE: CONTROL	**DISP:** Dead	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Epididymis	Esophagus	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Mammary Gland	Nose	Pancreas
Parathyroid Gland	Pituitary Gland	Prostate	Salivary Glands
Skin	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea		

OBSERVATIONS

Adrenal Gland	Cortex	Leukemia Mononuclear	
	Medulla	Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 5-2			
Bone Marrow		Leukemia Mononuclear	
Brain		Leukemia Mononuclear	
Heart		Cardiomyopathy	Chronic, Mild
		Leukemia Mononuclear	
Kidney		Leukemia Mononuclear	
		Nephropathy	Chronic, Mild
Liver		Leukemia Mononuclear	
		Regeneration	Focal, Marked
Note: REGENERATION TGLs = 6-3.1			
Lung		Leukemia Mononuclear	
Lymph Node	Mandibular	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 7,10-13,14			
Preputial Gland		Adenoma	
Note: ADENOMA TGLs = 1-8.2			
Seminal Vesicle		Leukemia Mononuclear	
Spleen		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 8,9-3.2			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 19	**TRT#:** 1	**SEX:** Male	**DAY ON TEST:** 645
	DOSE: CONTROL	**DISP:** Dead	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

Testes	Bilateral, Interstit Cell	Adenoma	
Note: ADENOMA TGLs = 2,3-8,8.1			
Urinary Bladder		Leukemia Mononuclear	
Zymbal's Gland		Ectasia	Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 20	**TRT#:** 1	**SEX:** Male	**DAY ON TEST:** 647
	DOSE: CONTROL	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - 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
Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland	Nose
Parathyroid Gland	Pituitary Gland	Preputial Gland	Prostate
Salivary Glands	Seminal Vesicle	Spleen	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Trachea
Urinary Bladder	Zymbal's Gland		

OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Benign	
Heart		Cardiomyopathy	Chronic, Moderate
Kidney		Nephropathy	Chronic, Moderate
Liver		Basophilic Focus	Minimal
		Eosinophilic Focus	Minimal
	Bile Duct	Hyperplasia	Mild
Lung		Hyperplasia	Lymphoid, Mild
Pancreas		Atrophy	Mild
Skin		Basal Cell Carcinoma	
Note: [BASAL CEL CARC] TGLs = 6-13			
Testes	Bilateral, Interstit Cell	Adenoma	
Note: ADENOMA TGLs = 1,2,3-8,8.1			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 21	**TRT#:** 1	**SEX:** Male	**DAY ON TEST:** 647
	DOSE: CONTROL	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	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	Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland
Nose	Pancreas	Parathyroid Gland	Pituitary Gland
Prostate	Salivary Glands	Seminal Vesicle	Spleen
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

OBSERVATIONS

Heart		Cardiomyopathy	Chronic, Mild
Kidney		Nephropathy	Chronic, Mild
Liver		Basophilic Focus	Mild
		Clear Cell Focus	Minimal
		Hepatodiaphragmatic Nodule	
Note: ANOM HEPAT LOB TGLs = 8-3.1			
Lung		Hyperplasia	Lymphoid, Mild
Mesentery	Fat	Necrosis	Moderate
Note: NECROSIS TGLs = 6-13			
Preputial Gland		Ectasia	Moderate
		Hyperplasia	Focal, Mild
Note: ECTASIA TGLs = 1-8.2			
Skin		Abscess	Moderate
Testes	Bilateral, Interstit Cell	Adenoma	
Note: ADENOMA TGLs = 2,3-8,8.1			
Zymbal's Gland		Ectasia	Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 22	**TRT#:** 1	**SEX:** Male	**DAY ON TEST:** 647
	DOSE: CONTROL	**DISP:** Terminal Sacrifice	**HISTO:**

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
Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Preputial Gland
Prostate	Salivary Glands	Seminal Vesicle	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Focal, Mild
	Medulla	Hyperplasia	Focal, Mild
Kidney		Nephropathy	Chronic, Moderate
Liver		Basophilic Focus	Minimal
		Clear Cell Focus	Minimal
		Hematopoietic Cell Proliferation	Minimal
Lung		Hyperplasia	Lymphoid, Minimal
Testes	Bilateral, Interstit Cell	Adenoma	
Note: ADENOMA TGLs = 1,2-8,8.1			
Zymbal's Gland		Ectasia	Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 23	**TRT#:** 1	**SEX:** Male	**DAY ON TEST:** 647
	DOSE: CONTROL	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Focal, Mild
Heart		Cardiomyopathy	Chronic, Minimal
Kidney		Nephropathy	Chronic, Mild
Liver		Degeneration	Cystic, Minimal
		Eosinophilic Focus	Minimal
Lung		Hyperplasia	Lymphoid, Minimal
Testes	Bilateral, Interstit Cell	Adenoma	
Note: ADENOMA TGLs = 1,2-8,8.1			
Zymbal's Gland		Ectasia	Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 24	**TRT#:** 1	**SEX:** Male	**DAY ON TEST:** 647
	DOSE: CONTROL	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	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
Lymph Node - Mandibular	Lymph Node - Mesenteric	Pancreas	Parathyroid Gland
Pituitary Gland	Preputial Gland	Prostate	Salivary Glands
Skin	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

OBSERVATIONS

Adrenal Gland	Cortex	Vacuolization Cytoplasmic	Multifocal, Mild
Epididymis	Bilateral	Mesothelioma Malignant	Metastatic (Testes)
Kidney		Mesothelioma Malignant	Metastatic (Testes)
		Nephropathy	Chronic, Mild
Liver		Basophilic Focus	Minimal
		Clear Cell Focus	Minimal
		Leukemia Mononuclear	
Lung		Hyperplasia	Lymphoid, Mild
Mammary Gland		Fibroadenoma	
Note: FIBROADENOMA TGLs = 1-13			
Mesentery		Mesothelioma Malignant	Metastatic (Testes)
Note: MESOTHELIO MAL TGLs = 2-14			
Nose		Fungus	Mild
		Inflammation	Acute, Mild
Seminal Vesicle		Mesothelioma Malignant	Metastatic (Testes)
Spleen		Leukemia Mononuclear	
Testes	Bilateral, Interstit Cell	Adenoma	
	Bilateral	Mesothelioma Malignant	
Note: ADENOMA TGLs = 3,4-8,8.1			
Zymbal's Gland		Ectasia	Minimal

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 25	**TRT#:** 1	**SEX:** Male	**DAY ON TEST:** 640
	DOSE: CONTROL	**DISP:** Dead	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

AUTO PRECLUDES DIAG.

Lymph Node - Mesenteric

OBSERVATIONS

Heart		Cardiomyopathy	Chronic, Mild
Lung		Foreign Body	Moderate
		Inflammation	Suppurative, Marked
Note: INFLAMMATION TGLs = 4-4,4.1			
Lymph Node	Mandibular	Hyperplasia	Lymphoid, Moderate
Nose		Foreign Body	Marked
		Inflammation	Acute, Marked
Spleen		Atrophy	Moderate
Testes	Interstit Cell	Adenoma	
		Atrophy	Marked
Note: ATROPHY TGLs = 2-8.1			
Note: ADENOMA TGLs = 1-8			
Zymbal's Gland		Ectasia	Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 26	**TRT#:** 1	**SEX:** Male	**DAY ON TEST:** 647
	DOSE: CONTROL	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Benign	
Kidney		Nephropathy	Chronic, Mild
Liver		Clear Cell Focus	Minimal
	Bile Duct	Hyperplasia	Mild
Lung		Hyperplasia	Lymphoid, Mild
Preputial Gland		Adenoma	
Note: ADENOMA TGLs = 1-8.2			
Testes	Bilateral, Interstit Cell	Adenoma	
Note: ADENOMA TGLs = 3,4-8,8.1			
Thyroid Gland	C Cell	Adenoma	
[Adenoma TGLS = 5-2]			
Zymbal's Gland		Ectasia	Minimal
Note: ONE GLAND PRESENT..			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 27	**TRT#:** 1	**SEX:** Male	**DAY ON TEST:** 647
	DOSE: CONTROL	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	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	Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland
Nose	Pancreas	Parathyroid Gland	Pituitary Gland
Preputial Gland	Salivary Glands	Seminal Vesicle	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

OBSERVATIONS

Heart		Cardiomyopathy	Chronic, Mild
Kidney		Nephropathy	Chronic, Mild
Liver		Basophilic Focus	Mild
		Clear Cell Focus	Minimal
		Degeneration	Cystic, Focal, Minimal
	Bile Duct	Hyperplasia	Mild
Lung		Hyperplasia	Lymphoid, Minimal
Mesentery	Fat	Necrosis	Moderate
Note: NECROSIS TGLs = 3-13			
Prostate		Hyperplasia	Glandular, Focal, Minimal
Testes	Bilateral, Interstit Cell	Adenoma	
Note: ADENOMA TGLs = 1-8,8.1			
Zymbal's Gland		Ectasia	Minimal

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 28	**TRT#:** 1	**SEX:** Male	**DAY ON TEST:** 647
	DOSE: CONTROL	**DISP:** Terminal Sacrifice	**HISTO:**

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	Lymph Node - Mandibular
Lymph Node - Mesenteric	Mammary Gland	Nose	Pancreas
Parathyroid Gland	Pituitary Gland	Preputial Gland	Prostate
Salivary Glands	Seminal Vesicle	Skin	Stomach - Forestomach
Stomach - Glandular	Thymus	Trachea	Urinary Bladder

OBSERVATIONS

Adrenal Gland	Cortex	Leukemia Mononuclear	
	Medulla	Leukemia Mononuclear	
	Medulla	Pheochromocytoma Benign	
Heart		Cardiomyopathy	Chronic, Mild
Kidney		Leukemia Mononuclear	
		Nephropathy	Chronic, Mild
Liver		Leukemia Mononuclear	
		Regeneration	Focal, Mild
Lung		Hyperplasia	Lymphoid, Moderate
		Leukemia Mononuclear	
Spleen		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 4-3			
Testes	Bilateral, Interstit Cell	Adenoma	
Note: ADENOMA TGLs = 1,2-8,8.1			
Thyroid Gland	C Cell	Hyperplasia	Multifocal, Mild
Zymbal's Gland		Ectasia	Minimal

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 29	**TRT#:** 1	**SEX:** Male	**DAY ON TEST:** 573
	DOSE: CONTROL	**DISP:** Dead	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - 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
Liver	Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland
Pancreas	Parathyroid Gland	Pituitary Gland	Prostate
Salivary Glands	Seminal Vesicle	Spleen	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Benign	
[Pheochromocytoma Benign TGLS = 2-2]			
Heart		Cardiomyopathy	Chronic, Mild
	Atrium	Thrombosis	
Kidney		Nephropathy	Chronic, Mild
Lung		Hyperplasia	Lymphoid, Mild
Mesentery	Fat	Necrosis	Moderate
Note: NECROSIS TGLs = 5-14			
Nose		Inflammation	Acute, Mild
Preputial Gland		Atrophy	Moderate
Skin		Keratoacanthoma	
Note: KERATOACANTHMA TGLs = 4-14			
Testes	Bilateral, Interstit Cell	Adenoma	
Note: ADENOMA TGLs = 1-8,8.1			
Zymbal's Gland		Ectasia	Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 30	**TRT#:** 1	**SEX:** Male	**DAY ON TEST:** 647
	DOSE: CONTROL	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - 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
Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Prostate
Salivary Glands	Seminal Vesicle	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Benign	
Eye		Cataract	Moderate
	Retina	Degeneration	Marked
Note: CATARACT TGLs = 6-13			
Heart		Cardiomyopathy	Chronic, Mild
Kidney		Nephropathy	Chronic, Mild
Liver		Basophilic Focus	Minimal
Lung		Hyperplasia	Lymphoid, Mild
Mesentery	Fat	Necrosis	Moderate
Note: NECROSIS TGLs = 7-14			
Preputial Gland		Ectasia	Moderate
Note: ECTASIA TGLs = 4-8.2			
Testes	Bilateral, Interstit Cell	Adenoma	
Note: ADENOMA TGLs = 1,2,3-8,8.1			
Zymbal's Gland		Ectasia	Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 31	**TRT#:** 1	**SEX:** Male	**DAY ON TEST:** 647
	DOSE: CONTROL	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	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	Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland
Nose	Pancreas	Parathyroid Gland	Pituitary Gland
Preputial Gland	Salivary Glands	Seminal Vesicle	Skin
Stomach - Forestomach	Stomach - Glandular	Trachea	Urinary Bladder
Zymbal's Gland			

MISSING

Thymus

OBSERVATIONS

Heart		Cardiomyopathy	Chronic, Minimal
Kidney		Nephropathy	Chronic, Mild
Liver		Basophilic Focus	Minimal
		Leukemia Mononuclear	
Lung		Hyperplasia	Lymphoid, Mild
Prostate		Hyperplasia	Glandular, Focal, Minimal
Spleen		Leukemia Mononuclear	
Testes	Bilateral, Interstit Cell	Adenoma	
Note: ADENOMA TGLs = 1,2-8,8.1			
Thyroid Gland	C Cell	Hyperplasia	Focal, Minimal
Zymbals Gl			
Note: ONE GLAND PRESENT			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 32	**TRT#:** 1	**SEX:** Male	**DAY ON TEST:** 647
	DOSE: CONTROL	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - 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
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland
Nose	Pancreas	Parathyroid Gland	Pituitary Gland
Preputial Gland	Prostate	Salivary Glands	Seminal Vesicle
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

OBSERVATIONS

Adrenal Gland	Bilateral, Medulla	Pheochromocytoma Benign	
Eye	Retina	Degeneration	Marked
Note: DEGEN TGLs = 1-13			
Heart		Cardiomyopathy	Chronic, Mild
Kidney		Nephropathy	Chronic, Moderate
Liver		Basophilic Focus	Minimal
Skin		Basal Cell Adenoma	
Note: [BASAL CEL ADEN] TGLs = 2-14			
Testes	Bilateral, Interstit Cell	Adenoma	
Note: ADENOMA TGLs = 3,4-8,8.1			
Zymbal's Gland		Ectasia	Minimal

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 33	**TRT#:** 1	**SEX:** Male	**DAY ON TEST:** 647
	DOSE: CONTROL	**DISP:** Terminal Sacrifice	**HISTO:**

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
Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Preputial Gland
Prostate	Salivary Glands	Seminal Vesicle	Skin
Stomach - Forestomach	Stomach - Glandular	Thymus	Trachea
Urinary Bladder			

OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Benign	
	Cortex	Vacuolization Cytoplasmic	Focal, Mild
Kidney		Nephropathy	Chronic, Mild
Liver		Basophilic Focus	Minimal
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
Lung		Hyperplasia	Lymphoid, Mild
Pharynx	Palate	Necrosis	Moderate
Spleen		Leukemia Mononuclear	
Testes	Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Moderate
Note: ADENOMA TGLs = 1,2-8			
Thyroid Gland	C Cell	Hyperplasia	Focal, Minimal
Zymbal's Gland		Ectasia	Minimal

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 34	**TRT#:** 1	**SEX:** Male	**DAY ON TEST:** 647
	DOSE: CONTROL	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - 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
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland
Nose	Pancreas	Parathyroid Gland	Pituitary Gland
Preputial Gland	Prostate	Salivary Glands	Seminal Vesicle
Skin	Stomach - Forestomach	Stomach - Glandular	Thymus
Trachea	Urinary Bladder		

OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Benign	
	Medulla	Pheochromocytoma Malignant	
Note: [PHEOCHROM BGN] TGLs = 5-2			
Heart		Cardiomyopathy	Chronic, Mild
Kidney		Nephropathy	Chronic, Moderate
Note: NEPHROPATHY TGLs = 6-5			
Liver		Basophilic Focus	Minimal
		Degeneration	Cystic, Minimal
		Leukemia Mononuclear	
Mesentery	Fat	Necrosis	Moderate
Note: NECROSIS TGLs = 4-13			
Spleen		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 3-3			
Testes	Bilateral, Interstit Cell	Adenoma	
Note: ADENOMA TGLs = 1-8,8.1			
Thyroid Gland	C Cell	Adenoma	
Zymbal's Gland		Ectasia	Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 35	**TRT#:** 1	**SEX:** Male	**DAY ON TEST:** 647
	DOSE: CONTROL	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	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	Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland
Nose	Pancreas	Parathyroid Gland	Preputial Gland
Prostate	Salivary Glands	Seminal Vesicle	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	Zymbal's Gland

OBSERVATIONS

Heart		Cardiomyopathy	Chronic, Mild
Kidney		Nephropathy	Chronic, Moderate
Liver		Basophilic Focus	Minimal
		Hepatodiaphragmatic Nodule	
Note: ANOM HEPAT LOB TGLs = 5-3.1			
Lung		Hyperplasia	Lymphoid, Mild
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA TGLs = 6-2			
Testes	Bilateral, Interstit Cell	Adenoma	
Note: ADENOMA TGLs = 1,2-8,8.1			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 36	**TRT#:** 1	**SEX:** Male	**DAY ON TEST:** 647
	DOSE: CONTROL	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	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	Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland
Nose	Pancreas	Parathyroid Gland	Pituitary Gland
Preputial Gland	Salivary Glands	Seminal Vesicle	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

OBSERVATIONS

Heart		Cardiomyopathy	Chronic, Mild
Kidney		Nephropathy	Chronic, Moderate
Liver		Basophilic Focus	Minimal
		Clear Cell Focus	Minimal
		Hepatocellular Carcinoma	
Lung		Hyperplasia	Lymphoid, Mild
Prostate		Hyperplasia	Glandular, Multifocal, Mild
Testes	Bilateral, Interstit Cell	Adenoma	
Note: ADENOMA TGLs = 1-8,8.1			
Zymbal's Gland		Ectasia	Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 37	**TRT#:** 1	**SEX:** Male	**DAY ON TEST:** 646
	DOSE: CONTROL	**DISP:** Dead	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Heart		Cardiomyopathy	Chronic, Mild
Liver		Leukemia Mononuclear	
	Centrilobular	Necrosis	Mild
Note: LEUKEMIA MONUC TGLs = 6-3.1			
Lung		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 7-4,4.1			
Mesentery	Fat	Necrosis	Moderate
Note: NECROSIS TGLs = 9-6.1			
Preputial Gland		Adenoma	
Note: ADENOMA TGLs = 3-8.2			
Skin	Subcut Tiss	Sarcoma	
Note: SARCOMA TGLs = 1-13			
Note: PRIMITIVE BASOPHILLIC CELLS HAVING LITTLE PATTERN OF			
Note: GROWTH..LG NUCLEI AND SCANT CYTOPLASM..			
Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 8-3]			
Testes	Interstit Cell	Adenoma	
Note: ADENOMA TGLs = 4-8.1			
Zymbal's Gland		Ectasia	Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 38	**TRT#:** 1	**SEX:** Male	**DAY ON TEST:** 647
	DOSE: CONTROL	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Kidney		Nephropathy	Chronic, Moderate
Liver		Basophilic Focus	Minimal
		Degeneration	Cystic, Minimal
		Infarct	Chronic, Moderate
Note: INFARCT TGLs = 5-3.1			
Lung		Hyperplasia	Lymphoid, Mild
Pituitary Gland	Pars Distalis	Ectasia	Focal, Mild
Note: ECTASIA TGLs = 4-2			
Skin		Cyst Epithelial Inclusion	
Note: CYST EPITH INC TGLs = 6-13			
Testes	Bilateral, Interstit Cell	Adenoma	
Note: ADENOMA TGLs = 1,2-8,8.1			
Zymbal's Gland		Ectasia	Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 39	**TRT#:** 1	**SEX:** Male	**DAY ON TEST:** 647
	DOSE: CONTROL	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	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	Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland
Nose	Pancreas	Parathyroid Gland	Pituitary Gland
Prostate	Salivary Glands	Seminal Vesicle	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

OBSERVATIONS

Heart			Cardiomyopathy	Chronic, Moderate
Kidney			Nephropathy	Chronic, Moderate
Liver			Basophilic Focus	Mild
		Bile Duct	Hyperplasia	Mild
Lung			Hyperplasia	Lymphoid, Mild
Preputial Gland		Bilateral	Adenoma	
Note: ADENOMA	TGLs = 1-8.2			
Testes		Bilateral, Interstit Cell	Adenoma	
Note: ADENOMA	TGLs = 2,3-8,8.1			
Zymbal's Gland			Ectasia	Minimal

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 40	**TRT#:** 1	**SEX:** Male	**DAY ON TEST:** 629
	DOSE: CONTROL	**DISP:** Dead	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - 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
Kidney	Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland
Nose	Pancreas	Parathyroid Gland	Pituitary Gland
Preputial Gland	Prostate	Salivary Glands	Seminal Vesicle
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder

OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Benign	
Heart		Cardiomyopathy	Chronic, Mild
Liver		Basophilic Focus	Minimal
	Centrilobular	Necrosis	Diffuse, Marked
Note: NECROSIS TGLs = 4-3.1			
Lung		Hyperplasia	Lymphoid, Mild
Mesentery		Sarcoma	
Note: SARCOMA TGLs = 3-13			
Note: EXTREMELY ANAPLASTIC..			
Testes	Bilateral, Interstit Cell	Adenoma	
Note: ADENOMA TGLs = 1,2-8,8.1			
Zymbal's Gland		Ectasia	Minimal

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 41	**TRT#:** 1	**SEX:** Male	**DAY ON TEST:** 647
	DOSE: CONTROL	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - 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
Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Prostate
Salivary Glands	Seminal Vesicle	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder	Zymbal's Gland	

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Mild
Heart		Cardiomyopathy	Chronic, Mild
Kidney		Nephropathy	Chronic, Moderate
Liver		Basophilic Focus	Minimal
		Clear Cell Focus	Minimal
		Degeneration	Cystic, Minimal
		Granuloma	Mild
	Bile Duct	Hyperplasia	Mild
Lung		Hyperplasia	Lymphoid, Minimal
Preputial Gland		Adenoma	
		Ectasia	Moderate
		Hyperplasia	Squamous, Mild
Note: ADENOMA TGLs = 1-8.2			
Testes	Bilateral, Interstit Cell	Adenoma	
Note: ADENOMA TGLs = 2,3-8,8.1			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 42	**TRT#:** 1	**SEX:** Male	**DAY ON TEST:** 73
	DOSE: CONTROL	**DISP:** Dead	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	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	Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland
Nose	Pancreas	Parathyroid Gland	Pituitary Gland
Preputial Gland	Prostate	Salivary Glands	Skin
Stomach - Forestomach	Testes	Thyroid Gland	Trachea
Urinary Bladder	Zymbal's Gland		

MISSING

Seminal Vesicle

OBSERVATIONS

Heart		Mineralization	Multifocal, Marked
Kidney	Prox Con Tub	Necrosis	Diffuse, Moderate
Liver		Fatty Change	Mild
Lung		Foreign Body	Moderate
Spleen		Atrophy	Moderate
Stomach	Glandular	Erosion	Focal, Mild
Note: EROSION TGLs = 6-6			
Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 43	**TRT#:** 1	**SEX:** Male	**DAY ON TEST:** 647
	DOSE: CONTROL	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	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	Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland
Nose	Parathyroid Gland	Pituitary Gland	Salivary Glands
Seminal Vesicle	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Trachea
Urinary Bladder	Zymbal's Gland		

OBSERVATIONS

Heart		Cardiomyopathy	Chronic, Mild
Kidney		Nephropathy	Chronic, Moderate
Liver		Basophilic Focus	Minimal
		Clear Cell Focus	Minimal
		Degeneration	Cystic, Minimal
		Vacuolization Cytoplasmic	Multifocal, Mild
Lung		Hyperplasia	Lymphoid, Mild
Pancreas		Atrophy	Moderate
Preputial Gland		Ectasia	Moderate
Prostate		Inflammation	Chronic Active, Moderate
Testes	Bilateral, Interstit Cell	Adenoma	
Note: ADENOMA TGLs = 1,2,3-8,8.1			
Zymbals Gl			
Note: ONE GLAND PRESENT..			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 44	**TRT#:** 1	**SEX:** Male	**DAY ON TEST:** 603
	DOSE: CONTROL	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Brain	Epididymis	Esophagus
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland	Nose
Parathyroid Gland	Pituitary Gland	Prostate	Salivary Glands
Seminal Vesicle	Skin	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder

OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Malignant	
[Pheochromocytoma Malignant TGLS = 4-2.1]			
Bone Marrow		Hyperplasia	Moderate
Kidney		Nephropathy	Chronic, Mild
Liver		Basophilic Focus	Mild
	Bile Duct	Hyperplasia	Mild
Lung		Hyperplasia	Lymphoid, Mild
Pancreas		Atrophy	Mild
Preputial Gland		Adenoma	
Note: [ADENOMA] TGLs = 1-8.2			
Spleen		Hematopoietic Cell Proliferation	Mild
Testes	Bilateral, Interstit Cell	Adenoma	
Note: ADENOMA TGLs = 2,3-8,8.1			
Zymbal's Gland		Ectasia	Minimal

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 45	**TRT#:** 1	**SEX:** Male	**DAY ON TEST:** 647
	DOSE: CONTROL	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Islets, Pancreatic		Adenoma	
Kidney		Leukemia Mononuclear	
		Nephropathy	Chronic, Moderate
Liver		Degeneration	Cystic, Focal, Minimal
		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 5,6-3.1			
Lung		Leukemia Mononuclear	
Pancreas		Atrophy	Mild
Spleen		Hyperplasia	Reticulum Cell, Moderate
		Leukemia Mononuclear	
[Hyperplasia TGLS = 4-3]			
[Leukemia Mononuclear TGLS = 3-3]			
Testes	Bilateral, Interstit Cell	Adenoma	
Note: ADENOMA TGLs = 1-8,8.1			
Zymbal's Gland		Ectasia	Minimal

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 46	**TRT#:** 1	**SEX:** Male	**DAY ON TEST:** 647
	DOSE: CONTROL	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	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	Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland
Nose	Parathyroid Gland	Pituitary Gland	Preputial Gland
Prostate	Salivary Glands	Seminal Vesicle	Spleen
Stomach - Forestomach	Stomach - Glandular	Trachea	Urinary Bladder

MISSING

Thymus

OBSERVATIONS

Heart		Cardiomyopathy	Chronic, Mild
Kidney		Nephropathy	Chronic, Moderate
Liver		Basophilic Focus	Minimal
		Clear Cell Focus	Minimal
		Eosinophilic Focus	Minimal
		Vacuolization Cytoplasmic	Multifocal, Mild
Lung		Hyperplasia	Lymphoid, Mild
Mesentery	Artery	Inflammation	Chronic, Moderate
Pancreas		Atrophy	Mild
Skin		Cyst Epithelial Inclusion	
Note: CYST EPITH INC TGLs = 1-13			
Testes	Bilateral, Interstit Cell	Adenoma	
Note: ADENOMA TGLs = 2,3-8,8.1			
Thyroid Gland	C Cell	Adenoma	
Zymbal's Gland		Ectasia	Minimal

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 47	**TRT#:** 1	**SEX:** Male	**DAY ON TEST:** 647
	DOSE: CONTROL	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	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	Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland
Mesentery	Nose	Pancreas	Parathyroid Gland
Pituitary Gland	Preputial Gland	Salivary Glands	Seminal Vesicle
Skin	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	Zymbal's Gland

OBSERVATIONS

Eye	Retina	Degeneration	Moderate
Note: DEGEN TGLs = 7-14			
Heart		Cardiomyopathy	Chronic, Mild
Kidney		Nephropathy	Chronic, Moderate
Liver		Degeneration	Cystic, Focal, Mild
		Leukemia Mononuclear	
Lung		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 6-4,4.1			
Prostate		Hyperplasia	Glandular, Focal, Minimal
Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-3]			
Testes	Bilateral, Interstit Cell	Adenoma	
Note: ADENOMA TGLs = 2,3-8,8.1			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 48	**TRT#:** 1	**SEX:** Male	**DAY ON TEST:** 647
	DOSE: CONTROL	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Kidney		Nephropathy	Chronic, Mild
Liver		Basophilic Focus	Minimal
		Leukemia Mononuclear	
Lung		Hyperplasia	Lymphoid, Mild
Mesentery	Fat	Necrosis	Moderate
Note: NECROSIS TGLs = 4-13			
Preputial Gland		Adenoma	
Note: [ADENOMA] TGLs = 1-8.2			
Spleen		Leukemia Mononuclear	
Testes	Bilateral, Interstit Cell	Adenoma	
Note: ADENOMA TGLs = 2,3-8,8.1			
Zymbal's Gland		Ectasia	Minimal

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 49	**TRT#:** 1	**SEX:** Male	**DAY ON TEST:** 647
	DOSE: CONTROL	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - 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
Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland	Nose
Parathyroid Gland	Pituitary Gland	Preputial Gland	Prostate
Salivary Glands	Seminal Vesicle	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Thyroid Gland	Trachea
Urinary Bladder			

MISSING

Thymus

OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Benign	
Heart		Cardiomyopathy	Chronic, Mild
Kidney		Nephropathy	Chronic, Moderate
Liver		Basophilic Focus	Minimal
Lung		Hyperplasia	Lymphoid, Moderate
Pancreas		Atrophy	Mild
Testes	Bilateral, Interstit Cell	Adenoma	
Note: ADENOMA TGLs = 1,3-8,8.1			
Zymbal's Gland		Ectasia	Minimal

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 50	**TRT#:** 1	**SEX:** Male	**DAY ON TEST:** 647
	DOSE: CONTROL	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Thymus

OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Focal, Mild
Kidney		Nephropathy	Chronic, Moderate
Liver		Basophilic Focus	Minimal
Lung		Hyperplasia	Lymphoid, Mild
Mesentery	Fat	Necrosis	Moderate
Note: NECROSIS TGLs = 4-13			
Nose		Fungus	Moderate
		Hyperkeratosis	Moderate
		Inflammation	Acute, Moderate
Preputial Gland		Adenoma	
Note: ADENOMA TGLs = 1-8.2			
Spleen		Atrophy	Mild
Note: ATROPHY TGLs = 5-3			
Stomach	Forestomach	Acanthosis	Mild
Testes	Bilateral, Interstit Cell	Adenoma	
Note: ADENOMA TGLs = 2			
Zymbal's Gland		Ectasia	Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 51	**TRT#:** 1	**SEX:** Male	**DAY ON TEST:** 647
	DOSE: CONTROL	**DISP:** Terminal Sacrifice	**HISTO:**

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	Lymph Node - Mandibular
Lymph Node - Mesenteric	Mammary Gland	Nose	Pancreas
Parathyroid Gland	Pituitary Gland	Salivary Glands	Seminal Vesicle
Skin	Stomach - Forestomach	Stomach - Glandular	Thymus
Trachea	Urinary Bladder	Zymbal's Gland	

OBSERVATIONS

Adrenal Gland	Cortex	Leukemia Mononuclear	
	Medulla	Leukemia Mononuclear	
	Medulla	Pheochromocytoma Benign	
Eye		Degeneration	Marked
Note: DEGEN TGLs = 1-13			
Heart		Cardiomyopathy	Chronic, Mild
Kidney		Nephropathy	Chronic, Moderate
Note: NEPHROPATHY TGLs = 2-5			
Liver		Leukemia Mononuclear	
Lung		Hyperplasia	Lymphoid, Mild
Preputial Gland		Adenoma	
Note: ADENOMA TGLs = 5-8.2			
Prostate		Hyperplasia	Glandular, Multifocal, Minimal
Spleen		Leukemia Mononuclear	
Testes	Bilateral, Interstit Cell	Adenoma	
Note: ADENOMA TGLs = 4,6-8,8.1			
Thyroid Gland	C Cell	Hyperplasia	Focal, Minimal

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 52	**TRT#:** 1	**SEX:** Male	**DAY ON TEST:** 647
	DOSE: CONTROL	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - 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
Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Preputial Gland
Prostate	Salivary Glands	Seminal Vesicle	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus
Trachea	Urinary Bladder		

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Focal, Mild
Heart		Cardiomyopathy	Chronic, Mild
Kidney		Nephropathy	Chronic, Mild
Liver		Basophilic Focus	Minimal
Lung		Hyperplasia	Lymphoid, Mild
Testes	Bilateral, Interstit Cell	Adenoma	
Note: ADENOMA TGLs = 1,2-8,8.1			
Thyroid Gland	C Cell	Hyperplasia	Focal, Mild
Zymbal's Gland		Ectasia	Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 53	**TRT#:** 1	**SEX:** Male	**DAY ON TEST:** 647
	DOSE: CONTROL	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Moderate
	Cortex	Leukemia Mononuclear	
	Medulla	Leukemia Mononuclear	
Bone Marrow		Leukemia Mononuclear	
Brain		Leukemia Mononuclear	
Heart		Leukemia Mononuclear	
Kidney		Leukemia Mononuclear	
		Nephropathy	Chronic, Mild
Liver		Degeneration	Cystic, Focal, Mild
		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 5-3.1			
Lung		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 8-4,4.1			
Lymph Node	Mandibular	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 4,6,7,9-13,9.1,14,7			
Pituitary Gland		Leukemia Mononuclear	
Preputial Gland		Leukemia Mononuclear	
Spleen		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 53	**TRT#:** 1	**SEX:** Male	**DAY ON TEST:** 647
	DOSE: CONTROL	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

Note: LEUKEMIA MONUC TGLs = 3-3.2			
Testes	Bilateral, Interstit Cell	Adenoma	
Note: ADENOMA TGLs = 1,2-8,8.1			
Thyroid Gland	C Cell	Adenoma	
Zymbal's Gland		Ectasia	Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 54	**TRT#:** 1	**SEX:** Male	**DAY ON TEST:** 644
	DOSE: CONTROL	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - 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
Mammary Gland	Nose	Parathyroid Gland	Pituitary Gland
Prostate	Salivary Glands	Seminal Vesicle	Skin
Stomach - Forestomach	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

MISSING

Zymbal's Gland

OBSERVATIONS

Adrenal Gland	Bilateral, Medulla	Pheochromocytoma Benign	
[Pheochromocytoma Benign TGLS = 9-2]			
Heart		Cardiomyopathy	Chronic, Mild
		Leukemia Mononuclear	
Note: CARDIOMYOPATHY TGLs = 11-3			
Kidney		Nephropathy	Chronic, Moderate
Note: NEPHROPATHY TGLs = 8-5			
Liver		Basophilic Focus	Mild
		Degeneration	Cystic, Focal, Minimal
		Leukemia Mononuclear	
		Regeneration	Multifocal, Moderate
Note: LEUKEMIA MONUC TGLs = 13,15-3.1			
Note: REGENERATION TGLs = 14-3.1			
Lung		Hyperplasia	Lymphoid, Mild
		Leukemia Mononuclear	
Lymph Node	Mandibular	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 12-13			
Pancreas		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 54	**TRT#:** 1	**SEX:** Male	**DAY ON TEST:** 644
	DOSE: CONTROL	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

Preputial Gland		Carcinoma	
Note: CARCINOMA TGLs = 1-8.2			
Spleen		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 5,6,7-3			
Stomach	Glandular, Submucosa	Hemorrhage	Focal, Moderate
Note: HEMORRHAGE TGLs = 16-6			
Testes	Bilateral, Interstit Cell	Adenoma	
Note: ADENOMA TGLs = 3,4-8,8.1			
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 55	**TRT#:** 1	**SEX:** Male	**DAY ON TEST:** 645
	DOSE: CONTROL	**DISP:** Dead	**HISTO:**

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	Mammary Gland
Nose	Pancreas	Parathyroid Gland	Pituitary Gland
Salivary Glands	Seminal Vesicle	Skin	Stomach - Forestomach
Stomach - Glandular	Thymus	Trachea	Urinary Bladder

OBSERVATIONS

Adrenal Gland	Cortex	Leukemia Mononuclear	
	Medulla	Leukemia Mononuclear	
Heart		Cardiomyopathy	Chronic, Mild
Kidney		Nephropathy	Chronic, Minimal
Liver		Leukemia Mononuclear	
Lung		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 6-4,4.1			
Lymph Node	Mandibular	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 7,10-13,14			
Preputial Gland		Atrophy	Moderate
Note: ONE GLAND PRESENT..			
Prostate		Hyperplasia	Glandular, Focal, Mild
Spleen		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 8,9-3.2			
Testes	Bilateral, Interstit Cell	Adenoma	
Note: ADENOMA TGLs = 2,3-8,8.1			
Thyroid Gland	C Cell	Adenoma	
Zymbal's Gland		Ectasia	Mild
Note: ONE GLAND PRESENT..			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 56	**TRT#:** 1	**SEX:** Male	**DAY ON TEST:** 647
	DOSE: CONTROL	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	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	Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland
Nose	Parathyroid Gland	Pituitary Gland	Prostate
Salivary Glands	Seminal Vesicle	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder
Zymbal's Gland			

OBSERVATIONS

Heart		Cardiomyopathy	Chronic, Minimal
Kidney		Nephropathy	Chronic, Mild
Liver		Basophilic Focus	Mild
		Clear Cell Focus	Minimal
		Degeneration	Cystic, Mild
		Leukemia Mononuclear	
		Regeneration	Focal, Moderate
[Leukemia Mononuclear TGLS = 6-3.1]			
Lung		Hyperplasia	Lymphoid, Mild
Mesentery	Fat	Necrosis	Moderate
Note: NECROSIS TGLs = 4-14			
Pancreas		Atrophy	Mild
Preputial Gland		Atrophy	Moderate
Skin		Acanthosis	Multifocal, Moderate
Note: ACANTHOSIS TGLs = 1,5-13,15			
Spleen		Leukemia Mononuclear	
Testes	Bilateral, Interstit Cell	Adenoma	
Note: ADENOMA TGLs = 2,7-8,8.1			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 57	**TRT#:** 1	**SEX:** Male	**DAY ON TEST:** 647
	DOSE: CONTROL	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Benign	
Kidney		Nephropathy	Chronic, Moderate
Liver		Basophilic Focus	Minimal
Lung		Hyperplasia	Lymphoid, Mild
Nose		Hyperkeratosis	Mild
Testes	Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Mild
Note: ADENOMA TGLs = 1-8.1			
Zymbal's Gland		Ectasia	Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 58	**TRT#:** 1	**SEX:** Male	**DAY ON TEST:** 647
	DOSE: CONTROL	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	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	Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland
Pancreas	Parathyroid Gland	Pituitary Gland	Prostate
Salivary Glands	Seminal Vesicle	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Thymus	Trachea
Urinary Bladder			

OBSERVATIONS

Heart			Cardiomyopathy	Chronic, Mild
Kidney			Nephropathy	Chronic, Mild
Liver			Basophilic Focus	Mild
			Clear Cell Focus	Minimal
			Eosinophilic Focus	Minimal
		Bile Duct	Hyperplasia	Mild
Lung			Hyperplasia	Lymphoid, Mild
Mesentery		Fat	Necrosis	Moderate
Note: NECROSIS	TGLs = 4-13			
Nose			Fungus	Mild
Preputial Gland			Adenoma	
Note: ADENOMA	TGLs = 1-8.2			
Testes		Bilateral, Interstit Cell	Adenoma	
Note: ADENOMA	TGLs = 2,3-8,8.1			
Thyroid Gland		C Cell	Adenoma	
Zymbal's Gland			Ectasia	Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 59	**TRT#:** 1	**SEX:** Male	**DAY ON TEST:** 647
	DOSE: CONTROL	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	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	Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland
Nose	Pancreas	Parathyroid Gland	Pituitary Gland
Salivary Glands	Seminal Vesicle	Skin	Thymus
Thyroid Gland	Trachea	Urinary Bladder	Zymbal's Gland

MISSING

Stomach - Forestomach	Stomach - Glandular

OBSERVATIONS

Heart			Cardiomyopathy	Chronic, Mild
Kidney			Nephropathy	Chronic, Mild
Liver			Basophilic Focus	Minimal
			Clear Cell Focus	Minimal
			Leukemia Mononuclear	
Lung		Alveolar Epith	Hyperplasia	Focal, Mild
			Hyperplasia	Lymphoid, Mild
Preputial Gland			Adenoma	
Note: ADENOMA	TGLs = 1-8.2			
Prostate			Hyperplasia	Glandular, Multifocal, Mild
Spleen			Leukemia Mononuclear	
Testes		Bilateral, Interstit Cell	Adenoma	
Note: ADENOMA	TGLs = 2-8,8.1			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 60	**TRT#:** 1	**SEX:** Male	**DAY ON TEST:** 647
	DOSE: CONTROL	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Kidney		Nephropathy	Chronic, Mild
Liver		Basophilic Focus	Minimal
	Bile Duct	Hyperplasia	Mild
Lung		Hyperplasia	Lymphoid, Mild
Lymph Node	Mesenteric	Ectasia	Moderate
Note: ECTASIA TGLs = 4-7			
Mesentery	Fat	Necrosis	Moderate
Note: NECROSIS TGLs = 5-13			
Testes	Bilateral, Interstit Cell	Adenoma	
Note: ADENOMA TGLs = 2,3-8,8.1			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 61	**TRT#:** 1	**SEX:** Male	**DAY ON TEST:** 647
	DOSE: CONTROL	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	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
Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Preputial Gland
Prostate	Salivary Glands	Seminal Vesicle	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Thyroid Gland
Trachea	Urinary Bladder		

MISSING

Thymus

OBSERVATIONS

Adrenal Gland	Cortex	Vacuolization Cytoplasmic	Multifocal, Mild
Heart		Cardiomyopathy	Chronic, Minimal
Kidney		Nephropathy	Chronic, Moderate
Liver		Basophilic Focus	Minimal
		Clear Cell Focus	Mild
		Granuloma	Moderate
Lung		Hyperplasia	Lymphoid, Mild
Testes	Interstit Cell	Adenoma	
Note: ADENOMA TGLs = 1-8			
Zymbal's Gland		Ectasia	Moderate
		Hyperplasia	Multifocal, Moderate

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 62	**TRT#:** 1	**SEX:** Male	**DAY ON TEST:** 647
	DOSE: CONTROL	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - 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
Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Preputial Gland
Salivary Glands	Seminal Vesicle	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Thyroid Gland	Trachea
Urinary Bladder	Zymbal's Gland		

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Focal, Moderate
Heart		Cardiomyopathy	Chronic, Mild
Kidney		Nephropathy	Chronic, Mild
Liver		Basophilic Focus	Minimal
		Clear Cell Focus	Minimal
Lung		Hyperplasia	Lymphoid, Mild
Mesentery	Fat	Necrosis	Moderate
Note: NECROSIS TGLs = 4-13			
Prostate		Hyperplasia	Glandular, Multifocal, Moderate
Testes	Bilateral, Interstit Cell	Adenoma	
Note: ADENOMA TGLs = 1,2-8,8.1			
Thymus	Epithel Cell	Hyperplasia	Focal, Moderate

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 63	**TRT#:** 1	**SEX:** Male	**DAY ON TEST:** 603
	DOSE: CONTROL	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Brain	Epididymis	Esophagus
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lymph Node - Mandibular
Lymph Node - Mesenteric	Mammary Gland	Nose	Pancreas
Parathyroid Gland	Pituitary Gland	Prostate	Salivary Glands
Seminal Vesicle	Skin	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder

OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Benign	
Bone Marrow		Hyperplasia	Mild
Heart		Cardiomyopathy	Chronic, Mild
	Atrium	Thrombosis	
Note: THROMBUS TGLs = 6-3			
Kidney		Nephropathy	Chronic, Mild
Liver		Basophilic Focus	Minimal
Lung		Hyperplasia	Lymphoid, Mild
Mesentery	Fat	Necrosis	Moderate
Note: NECROSIS TGLs = 4-13			
Preputial Gland		Carcinoma	
Note: CARCINOMA TGLs = 1-8.4			
Spleen		Hematopoietic Cell Proliferation	Mild
Testes	Bilateral, Interstit Cell	Adenoma	
Note: ADENOMA TGLs = 2,7-8,8.1			
Zymbal's Gland		Ectasia	Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 64	**TRT#:** 1	**SEX:** Male	**DAY ON TEST:** 616
	DOSE: CONTROL	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	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	Lymph Node - Mandibular	Lymph Node - Mesenteric	Pancreas
Parathyroid Gland	Preputial Gland	Prostate	Salivary Glands
Seminal Vesicle	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Thyroid Gland	Trachea	Urinary Bladder

MISSING

Mammary Gland	Pituitary Gland	Thymus

OBSERVATIONS

Heart		Cardiomyopathy	Chronic, Mild
Kidney		Nephropathy	Chronic, Mild
Liver		Basophilic Focus	Minimal
		Fatty Change	Mild
	Bile Duct	Hyperplasia	Mild
Lung		Hyperplasia	Lymphoid, Mild
Nose		Inflammation	Acute, Mild
Testes	Bilateral, Interstit Cell	Adenoma	
Note: ADENOMA TGLs = 2-8,8.1			
Tongue	Parenchyma	Carcinoma	
Note: CARCINOMA TGLs = 3-13			
Note: POSSIBLY ARISING FROM GLANDS IN PARENCHYMA..			
Zymbal's Gland		Ectasia	Moderate

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 65	**TRT#:** 1	**SEX:** Male	**DAY ON TEST:** 647
	DOSE: CONTROL	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	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	Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland
Nose	Pancreas	Parathyroid Gland	Pituitary Gland
Prostate	Salivary Glands	Seminal Vesicle	Skin
Stomach - Forestomach	Stomach - Glandular	Thymus	Trachea
Urinary Bladder	Zymbal's Gland		

OBSERVATIONS

Heart		Cardiomyopathy	Chronic, Minimal
Kidney		Nephropathy	Chronic, Moderate
Liver		Basophilic Focus	Minimal
		Clear Cell Focus	Minimal
		Degeneration	Cystic, Mild
		Eosinophilic Focus	Minimal
		Leukemia Mononuclear	
		Regeneration	Focal, Moderate
Note: LEUKEMIA MONUC TGLs = 6-3.1			
Lung		Hyperplasia	Lymphoid, Mild
Mesentery	Fat	Necrosis	Moderate
Note: NECROSIS TGLs = 4-13			
Preputial Gland		Adenoma	
Note: ADENOMA TGLs = 1-8.2			
Spleen		Hyperplasia	Reticulum Cell, Marked
		Leukemia Mononuclear	
Note: HYPERPLASIA TGLs = 7-3			
Testes	Bilateral, Interstit Cell	Adenoma	
Note: ADENOMA TGLs = 2,3-8,8.1			
Thyroid Gland	C Cell	Hyperplasia	Focal, Moderate

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 66	**TRT#:** 1	**SEX:** Male	**DAY ON TEST:** 647
	DOSE: CONTROL	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	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	Mammary Gland	Nose	Pancreas
Parathyroid Gland	Pituitary Gland	Preputial Gland	Prostate
Salivary Glands	Seminal Vesicle	Skin	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Trachea
Urinary Bladder	Zymbal's Gland		

OBSERVATIONS

Heart		Cardiomyopathy	Chronic, Mild
Kidney		Nephropathy	Chronic, Moderate
Liver		Basophilic Focus	Minimal
		Leukemia Mononuclear	
Lung		Hyperplasia	Lymphoid, Mild
Lymph Node	Mandibular	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
Mesentery	Fat	Necrosis	Moderate
Note: NECROSIS TGLs = 3-13			
Spleen		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 5-3.2			
Testes	Interstit Cell	Adenoma	
Note: ADENOMA TGLs = 2-8.1			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 67	**TRT#:** 1	**SEX:** Male	**DAY ON TEST:** 647
	DOSE: CONTROL	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	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
Lymph Node - Mandibular	Mammary Gland	Nose	Pancreas
Parathyroid Gland	Pituitary Gland	Preputial Gland	Prostate
Salivary Glands	Seminal Vesicle	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Thymus	Trachea
Urinary Bladder			

OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Focal, Minimal
Heart		Cardiomyopathy	Chronic, Mild
Kidney		Nephropathy	Chronic, Mild
Liver		Clear Cell Focus	Minimal
Lung		Hyperplasia	Lymphoid, Mild
Lymph Node	Mesenteric	Hyperplasia	Lymphoid, Moderate
Note: HYPERPLASIA TGLs = 3-13			
Testes	Bilateral, Interstit Cell	Adenoma	
Note: ADENOMA TGLs = 1-8,8.1			
Thyroid Gland	C Cell	Hyperplasia	Focal, Minimal
Zymbal's Gland		Ectasia	Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 68	**TRT#:** 1	**SEX:** Male	**DAY ON TEST:** 647
	DOSE: CONTROL	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone Marrow	Brain
Epididymis	Esophagus	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Liver	Lymph Node - Mandibular	Lymph Node - Mesenteric
Mammary Gland	Nose	Parathyroid Gland	Pituitary Gland
Preputial Gland	Prostate	Salivary Glands	Seminal Vesicle
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder
Zymbal's Gland			

OBSERVATIONS

Heart		Cardiomyopathy	Chronic, Mild
Kidney		Nephropathy	Chronic, Moderate
Lung		Hyperplasia	Lymphoid, Mild
Pancreas		Atrophy	Mild
Testes	Interstit Cell	Adenoma	
		Atrophy	Moderate

Note: ATROPHY TGLs = 1-8
Note: ADENOMA TGLs = 2-8.1

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 69	**TRT#:** 1	**SEX:** Male	**DAY ON TEST:** 647
	DOSE: CONTROL	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	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	Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland
Pancreas	Parathyroid Gland	Pituitary Gland	Salivary Glands
Seminal Vesicle	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

OBSERVATIONS

Heart			Cardiomyopathy	Chronic, Mild
Kidney			Nephropathy	Chronic, Mild
Liver			Basophilic Focus	Minimal
		Bile Duct	Hyperplasia	Moderate
Lung			Hyperplasia	Lymphoid, Mild
Nose			Fungus	Mild
			Inflammation	Acute, Mild
Preputial Gland			Adenoma	
Note: ADENOMA	TGLs = 1-8.2			
Prostate			Inflammation	Chronic Active, Mild
Testes		Bilateral, Interstit Cell	Adenoma	
Note: ADENOMA	TGLs = 2,3-8,8.1			
Zymbal's Gland			Ectasia	Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 70	**TRT#:** 1	**SEX:** Male	**DAY ON TEST:** 647
	DOSE: CONTROL	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	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	Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland
Nose	Pancreas	Parathyroid Gland	Preputial Gland
Salivary Glands	Seminal Vesicle	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

OBSERVATIONS

Heart		Cardiomyopathy	Chronic, Moderate
Kidney		Nephropathy	Chronic, Mild
Liver		Basophilic Focus	Minimal
		Clear Cell Focus	Minimal
Lung		Hyperplasia	Lymphoid, Mild
Pituitary Gland	Pars Distalis	Ectasia	Focal, Moderate
Note: ECTASIA TGLs = 4-2			
Prostate		Hyperplasia	Glandular, Multifocal, Mild
		Inflammation	Chronic Active, Mild
Testes	Bilateral, Interstit Cell	Adenoma	
Note: ADENOMA TGLs = 1,2-8,8.1			
Zymbal's Gland		Ectasia	Minimal

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 141	**TRT#:** 3	**SEX:** Male	**DAY ON TEST:** 353
	DOSE: 80 PPM	**DISP:** Dead	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Seminal Vesicle

OBSERVATIONS

Heart		Cardiomyopathy	Chronic, Mild
Liver	Centrilobular	Necrosis	Diffuse, Marked
Note: NECROSIS TGLs = 1-3.1			
Lung		Hyperplasia	Lymphoid, Mild
Lymph Node	Mediastinal	Congestion	Mild
Note: CONGESTION TGLs = 2-9			
Skin	Sebaceous Gl	Adenoma	
Note: ADENOMA TGLs = 3-13			
Zymbal's Gland		Adenoma	
		Ectasia	Mild
Note: [ADENOMA] TGLs = 4-10			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 142	**TRT#:** 3	**SEX:** Male	**DAY ON TEST:** 644
	DOSE: 80 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Bone Marrow		Hyperplasia	Moderate
Kidney		Nephropathy	Chronic, Moderate
Note: NEPHROPATHY TGLs = 5-5			
Liver		Basophilic Focus	Minimal
		Degeneration	Cystic, Mild
		Infarct	Chronic, Marked
		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 10-3.1			
Lung		Hyperplasia	Lymphoid, Mild
Mesentery	Fat	Necrosis	Moderate
Note: NECROTIC FAT HAS UNDERGONE ORGANIZATION..			
Note: NECROSIS TGLs = 3-13			
Preputial Gland		Carcinoma	
Note: CARCINOMA TGLs = 1-8.2			
Note: DISORGANIZATION,NUM.MITOSES,CELL.ATYPIA..			
Salivary Glands		Schwannoma Malignant	
Note: [SCHWANNOMA MAL] TGLs = 3-13			
Skin		Basal Cell Adenoma	Multiple
		Keratoacanthoma	
	Subcut Tiss	Neurofibroma	
		Squamous Cell Carcinoma	
Note: NEUROFIBROMA TGLs = 7-14			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 142	**TRT#:** 3	**SEX:** Male	**DAY ON TEST:** 644
	DOSE: 80 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

Note: SQUAM CEL CARC TGLs = 14-17			
[Basal Cell Adenoma TGLS = 15-18]			
[Neurofibroma TGLS = 12,13-15,16]			
Spleen		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 6-3			
Testes	Bilateral, Interstit Cell	Adenoma	
Note: ADENOMA TGLs = 2-8,8.1			
Thyroid Gland	C Cell	Adenoma	
Zymbal's Gland		Ectasia	Moderate
		Hyperplasia	Squamous, Focal, Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 143	**TRT#:** 3	**SEX:** Male	**DAY ON TEST:** 480
	DOSE: 80 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - 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
Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose	Pancreas
Parathyroid Gland	Pituitary Gland	Prostate	Salivary Glands
Seminal Vesicle	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

MISSING

Mammary Gland	Preputial Gland

OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Benign	
Heart		Cardiomyopathy	Chronic, Mild
Kidney		Nephropathy	Chronic, Mild
Liver		Basophilic Focus	Minimal
		Necrosis	Focal, Minimal
Lung		Carcinoma	Metastatic (Zymbal'S Gland)
		Hyperplasia	Lymphoid, Mild
Note: CARCINOMA TGLs = 3-3			
Prostate			
Note: MASS APPARENTLY LOST AT NECROPSY..			
Testes	Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Mild
Zymbal's Gland		Carcinoma	
		Ectasia	Mild
Note: CARCINOMA TGLs = 1-10			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 144	**TRT#:** 3	**SEX:** Male	**DAY ON TEST:** 552
	DOSE: 80 PPM	**DISP:** Dead	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	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	Mammary Gland	Pancreas	Parathyroid Gland
Pituitary Gland	Preputial Gland	Prostate	Salivary Glands
Seminal Vesicle	Stomach - Forestomach	Stomach - Glandular	Thyroid Gland
Trachea	Urinary Bladder		

MISSING

Thymus

OBSERVATIONS

Heart		Cardiomyopathy	Chronic, Mild
Kidney		Nephropathy	Chronic, Mild
	Renal Tubule	Pigmentation	Moderate
Liver		Basophilic Focus	Mild
		Degeneration	Cystic, Mild
		Hepatodiaphragmatic Nodule	
		Leukemia Mononuclear	
	Centrilobular	Necrosis	Mild
		Regeneration	Multifocal, Mild
Note: ANOM HEPAT LOB TGLs = 4-3.1			
[Hepatodiaphragmatic Nodule TGLS = 5-3.1]			
Lung		Leukemia Mononuclear	
Lymph Node	Mandibular	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 6-9			
Nose		Fungus	Marked
		Inflammation	Acute, Marked
		Necrosis	Focal, Marked
Skin		Basal Cell Carcinoma	

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 144	**TRT#:** 3	**SEX:** Male	**DAY ON TEST:** 552
	DOSE: 80 PPM	**DISP:** Dead	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

Note: BASAL CEL CARC TGLs = 1-10.1			
Spleen		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 7-3			
Testes	Bilateral, Interstit Cell	Adenoma	
Note: ADENOMA TGLs = 2,3-8,8.1			
Zymbal's Gland		Adenoma	
		Ectasia	Moderate
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 145	**TRT#:** 3	**SEX:** Male	**DAY ON TEST:** 596
	DOSE: 80 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone Marrow	Brain
Epididymis	Esophagus	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Islets, Pancreatic
Lymph Node - Mandibular	Mammary Gland	Nose	Parathyroid Gland
Pituitary Gland	Prostate	Seminal Vesicle	Spleen
Stomach - Forestomach	Stomach - Glandular	Thyroid Gland	Trachea
Urinary Bladder			

MISSING

Intestine Small - Jejunum	Thymus

OBSERVATIONS

Heart		Cardiomyopathy	Chronic, Moderate
Kidney		Nephropathy	Chronic, Mild
Liver		Basophilic Focus	Mild
		Clear Cell Focus	Minimal
		Degeneration	Cystic, Moderate
Lung		Hyperplasia	Lymphoid, Mild
Lymph Node	Mesenteric	Hyperplasia	Reticulum Cell, Moderate
Pancreas	Acinus	Adenoma	
Preputial Gland	Bilateral	Adenoma	
Note: ADENOMA TGLs = 1,9-8.2,8.4			
Salivary Glands		Schwannoma Malignant	
Note: [SCHWANNOMA MAL] TGLs = 3-13			
Skin		Basal Cell Adenoma	Multiple
Note: BASAL CEL ADEN TGLs = 4,5,6-14,15,16			
Testes	Bilateral, Interstit Cell	Adenoma	
Note: ADENOMA TGLs = 2,7,8-8,8.1			
Zymbal's Gland		Ectasia	Moderate

PRIMARY CAUSE OF DEATH	-

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 146	**TRT#:** 3	**SEX:** Male	**DAY ON TEST:** 644
	DOSE: 80 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Thymus

OBSERVATIONS

Intestine Large	Ascend Colon, Colon	Polyp Adenomatous	
Note: POLYP ADENOMAT TGLs = 4-7.1			
Intestine Small	Duodenum	Adenocarcinoma	Cystic, Mucinous
Note: ADENOCARC TGLs = 3-6.1			
Kidney		Nephropathy	Chronic, Moderate
Liver		Basophilic Focus	Mild
	Centrilobular	Degeneration	Diffuse, Minimal
		Degeneration	Cystic, Minimal
		Eosinophilic Focus	Mild
		Hematopoietic Cell Proliferation	Mild
		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Mild
		Infarct	Chronic, Moderate
Note: ANOM HEPAT LOB TGLs = 6-3.1			
[Hepatodiaphragmatic Nodule TGLS = 9-3.2]			
[Infarct TGLS = 7-3.1]			
Lung		Hyperplasia	Lymphoid, Mild
		Infiltration Cellular	Histiocyte, Mild
Pharynx	Palate	Squamous Cell Papilloma	
Note: SQ CL PAPILLOM TGLs = 11-14			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 146	**TRT#:** 3	**SEX:** Male	**DAY ON TEST:** 644
	DOSE: 80 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

Preputial Gland		Adenoma	
		Ectasia	Moderate
		Hyperplasia	Squamous, Mild
Note: ECTATIC DUCTS KERATIN FILLED..			
Skin		Basal Cell Adenoma	Multiple
	Subcut Tiss	Fibroma	
		Inflammation	Chronic, Focal, Moderate
		Keratoacanthoma	
Note: FIBROMA TGLs = 10-13			
Note: BASAL CEL ADEN TGLs = 12,14,15,16-15,17,18,19			
Note: KERATOACANTHMA TGLs = 13-16			
Note: BASAL CEL ADEN TGLs = 17,18-20,21			
Spleen		Hematopoietic Cell Proliferation	Moderate
Testes		Atrophy	Marked
	Interstit Cell	Hyperplasia	Mild
Note: ATROPHY TGLs = 1-8,8.1			
Zymbal's Gland		Ectasia	Marked
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 147	**TRT#:** 3	**SEX:** Male	**DAY ON TEST:** 618
	DOSE: 80 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	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	Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland
Nose	Pancreas	Parathyroid Gland	Preputial Gland
Prostate	Salivary Glands	Seminal Vesicle	Spleen
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

OBSERVATIONS

Heart		Cardiomyopathy	Chronic, Mild
Kidney		Nephropathy	Chronic, Mild
Liver		Degeneration	Cystic, Mild
		Eosinophilic Focus	Minimal
		Granuloma	Moderate
Lung		Hyperplasia	Lymphoid, Mild
Pituitary Gland	Pars Distalis	Cyst	
Note: CYST TGLs = 5-2			
Skin		Basal Cell Adenoma	
Note: BASAL CEL ADEN TGLs = 2-13			
Testes	Bilateral, Interstit Cell	Adenoma	
Note: ADENOMA TGLs = 3,4-8,8.1			
Zymbal's Gland		Carcinoma	
		Ectasia	Mild
Note: CARCINOMA TGLs = 1-10.1			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 148	**TRT#:** 3	**SEX:** Male	**DAY ON TEST:** 483
	DOSE: 80 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - 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
Lymph Node - Mesenteric	Mammary Gland	Nose	Pancreas
Parathyroid Gland	Pituitary Gland	Preputial Gland	Prostate
Salivary Glands	Seminal Vesicle	Skin	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

OBSERVATIONS

Epididymis	Bilateral	Mesothelioma Malignant	Metastatic (Testes)
Heart		Cardiomyopathy	Chronic, Minimal
Kidney		Nephropathy	Chronic, Mild
Liver		Basophilic Focus	Minimal
		Clear Cell Focus	Minimal
		Hematopoietic Cell Proliferation	Minimal
Lung		Hyperplasia	Lymphoid, Mild
Lymph Node	Mandibular	Hyperplasia	Lymphoid, Moderate
Note: HYPERPLASIA TGLs = 3-9			
Spleen		Hematopoietic Cell Proliferation	Moderate
Testes	Bilateral, Interstit Cell	Adenoma	
	Bilateral	Mesothelioma Malignant	
Note: ADENOMA TGLs = 2-8			
Zymbal's Gland		Carcinoma	
		Hyperplasia	Focal, Mild
Note: CARCINOMA TGLs = 1-10,10.1			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 149	**TRT#:** 3	**SEX:** Male	**DAY ON TEST:** 618
	DOSE: 80 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - 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
Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Prostate
Salivary Glands	Seminal Vesicle	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder

OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Benign	
Heart		Cardiomyopathy	Chronic, Minimal
	Atrium	Thrombosis	
Kidney		Nephropathy	Chronic, Moderate
Liver		Basophilic Focus	Mild
		Degeneration	Cystic, Minimal
		Eosinophilic Focus	Minimal
		Hematopoietic Cell Proliferation	Minimal
Lung		Hyperplasia	Lymphoid, Mild
Preputial Gland		Adenoma	
		Ectasia	Moderate
Skin		Basal Cell Adenoma	Multiple
		Squamous Cell Carcinoma	
Note: BASAL CEL ADEN TGLs = 3,5,6-13,15,16			
Note: SQUAM CEL CARC TGLs = 4-14			
Spleen		Hematopoietic Cell Proliferation	Moderate
Note: EARLY..			
Testes	Bilateral, Interstit Cell	Adenoma	
Note: ADENOMA TGLs = 1,2-8,8.1			
Zymbal's Gland		Ectasia	Minimal
Note: ECTATIC DUCTS FILLED WITH KERATIN..			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 150	**TRT#:** 3	**SEX:** Male	**DAY ON TEST:** 647
	DOSE: 80 PPM	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Thymus

OBSERVATIONS

Heart		Cardiomyopathy	Chronic, Mild
Islets, Pancreatic		Carcinoma	
Note: CARCINOMA TGLs = 9-16			
Kidney		Nephropathy	Chronic, Moderate
Liver		Basophilic Focus	Minimal
		Eosinophilic Focus	Mild
		Hematopoietic Cell Proliferation	Minimal
		Neoplastic Nodule	
Note: NEOPLASTIC NOD TGLs = 7-3.1			
Lung		Hyperplasia	Lymphoid, Mild
Preputial Gland		Hyperplasia	Focal, Mild
Prostate		Hyperplasia	Glandular, Multifocal, Mild
Skin		Basal Cell Adenoma	Multiple
		Squamous Cell Papilloma	
Note: BASAL CEL ADEN TGLs = 1,2-13,14			
Note: SQ CL PAPILLOM TGLs = 8-15			
Testes	Bilateral, Interstit Cell	Adenoma	
Note: ADENOMA TGLs = 3,4-8,8.1			
Tongue		Squamous Cell Papilloma	
Note: SQ CL PAPILLOM TGLs = 10-17			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 150	**TRT#:** 3	**SEX:** Male	**DAY ON TEST:** 647
	DOSE: 80 PPM	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

Zymbal's Gland	Ectasia	Mild
	Hypertrophy	Diffuse, Moderate
Note: HYPERTROPHY TGLs = 11-10		

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 151	**TRT#:** 3	**SEX:** Male	**DAY ON TEST:** 546
	DOSE: 80 PPM	**DISP:** Dead	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
Brain	Epididymis	Mammary Gland	Seminal Vesicle
AUTO PRECLUDES DIAG.			
Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone Marrow	Esophagus
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Kidney	Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric
Nose	Pancreas	Parathyroid Gland	Pituitary Gland
Preputial Gland	Prostate	Salivary Glands	Spleen
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder		
OBSERVATIONS			
Liver		Basophilic Focus	Mild
Skin	Subcut Tiss	Fibroma	
Note: FIBROMA TGLs = 8-10.1			
Testes	Bilateral, Interstit Cell	Adenoma	
Note: ADENOMA TGLs = 2-8,8.1			
Zymbal's Gland		Ectasia	Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 152	**TRT#:** 3	**SEX:** Male	**DAY ON TEST:** 603
	DOSE: 80 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - 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
Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland	Nose
Pancreas	Pituitary Gland	Prostate	Salivary Glands
Seminal Vesicle	Skin	Stomach - Forestomach	Stomach - Glandular
Thyroid Gland	Trachea	Urinary Bladder	

MISSING

Thymus

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Focal, Mild
	Medulla	Pheochromocytoma Benign	
Heart		Cardiomyopathy	Chronic, Mild
Kidney		Nephropathy	Chronic, Mild
Liver		Basophilic Focus	Mild
		Clear Cell Focus	Minimal
		Eosinophilic Focus	Minimal
		Hematopoietic Cell Proliferation	Mild
		Vacuolization Cytoplasmic	Multifocal, Minimal
Note: VACUOLIZ CYTO TGLs = 3-3.1			
Lung		Hyperplasia	Lymphoid, Mild
Parathyroid Gland		Hyperplasia	Mild
Preputial Gland	Bilateral	Carcinoma	
Note: CARCINOMA TGLs = 1,4-8.2,8.4			
Spleen		Hematopoietic Cell Proliferation	Mild
Testes	Bilateral, Interstit Cell	Adenoma	
Note: ADENOMA TGLs = 2-8,8.1			
Zymbal's Gland		Ectasia	Minimal
		Hyperplasia	Focal, Minimal

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 152	**TRT#:** 3	**SEX:** Male	**DAY ON TEST:** 603
	DOSE: 80 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 153	**TRT#:** 3	**SEX:** Male	**DAY ON TEST:** 610
	DOSE: 80 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - 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
Mammary Gland	Nose	Pancreas	Parathyroid Gland
Pituitary Gland	Prostate	Salivary Glands	Seminal Vesicle
Stomach - Forestomach	Thymus	Trachea	Urinary Bladder

OBSERVATIONS

Adrenal Gland	Bilateral, Medulla	Pheochromocytoma Benign	
[Pheochromocytoma Benign TGLS = 5-2]			
Heart		Cardiomyopathy	Chronic, Mild
	Atrium	Thrombosis	
Kidney		Nephropathy	Chronic, Moderate
Note: NEPHROPATHY TGLs = 6,7-5			
Liver		Degeneration	Cystic, Mild
		Hematopoietic Cell Proliferation	Minimal
	Centrilobular	Necrosis	Diffuse, Marked
Note: NECROSIS TGLs = 9-3.1			
Lung		Hyperplasia	Lymphoid, Mild
Preputial Gland	Bilateral	Adenoma	
Note: ADENOMA TGLs = 2,3-8.2,8.4			
Skin		Basal Cell Adenoma	Multiple
	Subcut Tiss	Edema	Moderate
Note: BASAL CEL ADEN TGLs = 14,16,17,18-15,17,18,19			
Note: EDEMA TGLs = 10-13			
Spleen		Hematopoietic Cell Proliferation	Marked
Note: HEMA CELL PROL TGLs = 19-3			
Stomach	Glandular	Erosion	Multifocal, Moderate
Testes	Bilateral, Interstit Cell	Adenoma	
Note: ADENOMA TGLs = 4-8,8.1			
Thyroid Gland	C Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 153	**TRT#:** 3	**SEX:** Male	**DAY ON TEST:** 610
	DOSE: 80 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

Tongue	Squamous Cell Papilloma	
Note: SQ CL PAPILLOM TGLs = 15-16		
Zymbal's Gland	Ectasia	Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 154	**TRT#:** 3	**SEX:** Male	**DAY ON TEST:** 262
	DOSE: 80 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Seminal Vesicle

OBSERVATIONS

Heart	Cardiomyopathy	Chronic, Minimal
Kidney	Nephropathy	Chronic, Minimal
Liver	Hematopoietic Cell Proliferation	Minimal
Lung	Hyperplasia	Lymphoid, Mild
Zymbal's Gland	Carcinoma	
	Ectasia	Mild

Note: CARCINOMA TGLs = 2-10.1

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 155	**TRT#:** 3	**SEX:** Male	**DAY ON TEST:** 603
	DOSE: 80 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - 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
Kidney	Lymph Node - Mesenteric	Mammary Gland	Nose
Pancreas	Pituitary Gland	Salivary Glands	Seminal Vesicle
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Focal, Minimal
	Medulla	Pheochromocytoma Benign	
Heart		Cardiomyopathy	Chronic, Mild
Liver		Basophilic Focus	Minimal
		Eosinophilic Focus	Mild
		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 8-3.1			
Lung		Hyperplasia	Lymphoid, Mild
Lymph Node	Mandibular	Leukemia Mononuclear	
Parathyroid Gland		Hyperplasia	Minimal
Preputial Gland		Carcinoma	
Note: CARCINOMA TGLs = 1-8.4			
Note: TWO DISTINCT PATTERNS ARE PRESENT..OPP.GLD NOT PRESENT..			
Prostate		Hyperplasia	Glandular, Multifocal, Mild
Skin		Basal Cell Adenoma	Multiple
		Squamous Cell Carcinoma	
Note: BASAL CEL ADEN TGLs = 12,13,14-17,18,19			
Note: SQUAM CEL CARC TGLs = 2-13			
Note: BASAL CEL ADEN TGLs = 9,10,11-14,15,16			
Spleen		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 5,6-3			
Testes	Bilateral, Interstit Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 155	**TRT#:** 3	**SEX:** Male	**DAY ON TEST:** 603
	DOSE: 80 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

Note: ADENOMA	TGLs = 3,4-8,8.1		
Zymbal's Gland		Ectasia	Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 156	**TRT#:** 3	**SEX:** Male	**DAY ON TEST:** 596
	DOSE: 80 PPM	**DISP:** Moribund	**HISTO:**

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	Mammary Gland
Nose	Pancreas	Parathyroid Gland	Prostate
Salivary Glands	Seminal Vesicle	Skin	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

OBSERVATIONS

Adrenal Gland	Cortex	Leukemia Mononuclear	
	Medulla	Leukemia Mononuclear	
	Medulla	Pheochromocytoma Benign	
Heart		Leukemia Mononuclear	
Kidney		Leukemia Mononuclear	
		Nephropathy	Chronic, Mild
Liver		Basophilic Focus	Minimal
		Leukemia Mononuclear	
	Centrilobular	Necrosis	Mild
Note: LEUKEMIA MONUC TGLs = 1-3.1			
Lung		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 6-4.2			
Lymph Node	Mandibular	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 3-7			
Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
		Leukemia Mononuclear	
Note: [HYPERPLASIA] TGLs = 7-2			
Preputial Gland		Atrophy	Moderate
Spleen		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 2,5-3.2			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 156	**TRT#:** 3	**SEX:** Male	**DAY ON TEST:** 596
	DOSE: 80 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

Testes	Bilateral, Interstit Cell	Adenoma	
Note: ADENOMA TGLs = 4-8,8.1			
Zymbal's Gland		Ectasia	Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 157	**TRT#:** 3	**SEX:** Male	**DAY ON TEST:** 641
	DOSE: 80 PPM	**DISP:** Moribund	**HISTO:**

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	Islets, Pancreatic	Lymph Node - Mandibular	Lymph Node - Mesenteric
Mammary Gland	Nose	Pancreas	Parathyroid Gland
Pituitary Gland	Salivary Glands	Seminal Vesicle	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

OBSERVATIONS

Adrenal Gland	Cortex	Leukemia Mononuclear	
	Medulla	Leukemia Mononuclear	
Heart		Cardiomyopathy	Chronic, Minimal
	Atrium	Thrombosis	
Note: THROMBUS TGLs = 9-3			
Intestine Small	Jejunum	Adenocarcinoma	Cystic, Mucinous
Note: ADENOCARC TGLs = 15-6.1			
Kidney		Nephropathy	Chronic, Minimal
Liver		Degeneration	Cystic, Mild
		Leukemia Mononuclear	
		Thrombosis	
Note: LEUKEMIA MONUC TGLs = 7,8-3.1			
Lung		Leukemia Mononuclear	
Preputial Gland		Carcinoma	
		Ectasia	Marked
Note: ECTASIA TGLs = 2,3-8.2			
Prostate		Hyperplasia	Glandular, Focal, Mild
Skin		Basal Cell Adenoma	Multiple
	Subcut Tiss	Neurofibroma	
Note: TGL #3 THOUGHT TO BE PREPUTIAL GLD. AT NECROPSY..			
Note: NEUROFIBROMA TGLs = 12-15			
Note: BASAL CEL ADEN TGLs = 3,10,11-8.2,13,14			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 157	**TRT#:** 3	**SEX:** Male	**DAY ON TEST:** 641
	DOSE: 80 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

Spleen		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 13,14-3			
Testes	Bilateral, Interstit Cell	Adenoma	
Note: ADENOMA TGLs = 4,5-8,8.1			
Zymbal's Gland		Ectasia	Mild
Note: ONE GLAND PRESENT..			
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 158	**TRT#:** 3	**SEX:** Male	**DAY ON TEST:** 578
	DOSE: 80 PPM	**DISP:** Moribund	**HISTO:**

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	Lymph Node - Mandibular
Lymph Node - Mesenteric	Mammary Gland	Pancreas	Parathyroid Gland
Pituitary Gland	Preputial Gland	Salivary Glands	Seminal Vesicle
Stomach - Forestomach	Thymus	Trachea	Urinary Bladder

OBSERVATIONS

Adrenal Gland	Cortex	Leukemia Mononuclear	
	Medulla	Leukemia Mononuclear	
	Bilateral, Medulla	Pheochromocytoma Benign	
Heart	Atrium	Thrombosis	
Note: THROMBUS TGLs = 6-3			
Kidney		Nephropathy	Chronic, Mild
Liver		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 2-3.1			
Lung		Leukemia Mononuclear	
Nose		Fungus	Marked
		Inflammation	Acute, Mild
Prostate		Inflammation	Chronic Active, Mild
Skin		Basal Cell Adenoma	Multiple
Note: BASAL CEL ADEN TGLs = 3,4-13,13.1			
Spleen		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 5-3			
Stomach	Glandular	Erosion	Multifocal, Moderate
Note: EROSION TGLs = 7-6			
Testes	Bilateral, Interstit Cell	Adenoma	
Note: ADENOMA TGLs = 8-8,8.1			
Thyroid Gland	C Cell	Adenoma	
Zymbal's Gland		Ectasia	Moderate

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 159	**TRT#:** 3	**SEX:** Male	**DAY ON TEST:** 611
	DOSE: 80 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - 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
Mammary Gland	Nose	Pancreas	Pituitary Gland
Prostate	Salivary Glands	Seminal Vesicle	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

OBSERVATIONS

Adrenal Gland	Bilateral, Medulla	Pheochromocytoma Benign	
Heart	Atrium	Thrombosis	
Note: THROMBUS TGLs = 6-3			
Kidney		Infarct	Chronic, Marked
		Nephropathy	Chronic, Moderate
Note: INFARCT TGLs = 4-5			
Liver		Basophilic Focus	Minimal
		Degeneration	Cystic, Mild
		Eosinophilic Focus	Minimal
		Hematopoietic Cell Proliferation	Minimal
	Centrilobular	Necrosis	Diffuse, Moderate
		Thrombosis	
Note: NECROSIS TGLs = 8,9-3.1			
Note: THROMBUS TGLs = 7-3.2			
Lung		Infiltration Cellular	Histiocyte, Moderate
		Thrombosis	Multiple
Note: CAPILLARY THROMBI..			
Lymph Node	Mandibular	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
Parathyroid Gland		Hyperplasia	Mild
Preputial Gland		Atrophy	Moderate

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 159	**TRT#:** 3	**SEX:** Male	**DAY ON TEST:** 611
	DOSE: 80 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

Skin		Basal Cell Adenoma	Multiple
		Keratoacanthoma	
		Squamous Cell Papilloma	
Note: SQ CL PAPILLOM TGLs = 10-13			
Note: BASAL CEL ADEN TGLs = 12,13,14,15,16-15,16,17,18,19			
Note: KERATOACANTHMA TGLs = 11-14			
Spleen		Hematopoietic Cell Proliferation	Moderate
		Leukemia Mononuclear	
Testes	Bilateral, Interstit Cell	Adenoma	
Note: ADENOMA TGLs = 3-8,8.1			
Zymbal's Gland		Ectasia	Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 160	**TRT#:** 3	**SEX:** Male	**DAY ON TEST:** 602
	DOSE: 80 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Bone Marrow		Myelofibrosis	Focal, Minimal
Liver		Basophilic Focus	Minimal
Lung		Hyperplasia	Lymphoid, Mild
Lymph Node	Mesenteric	Hyperplasia	Reticulum Cell, Moderate
Mesentery	Fat	Necrosis	Moderate
Note: NECROSIS TGLs = 3-13			
Preputial Gland		Ectasia	Marked
Note: ECTASIA TGLs = 4-8.2			
Note: ECTATIC DUCTS ARE FILLED WITH KERATIN..			
Skin		Basal Cell Adenoma	
		Basal Cell Carcinoma	Multiple
Note: BASAL CEL ADEN TGLs = 8-15			
[Basal Cell Adenoma TGLS = 9,10-16,17]			
Spleen		Hematopoietic Cell Proliferation	Moderate
Testes	Interstit Cell	Adenoma	
		Atrophy	Marked
Note: ATROPHY TGLs = 2-8.1			
Note: ADENOMA TGLs = 1-8			
Tongue		Squamous Cell Carcinoma	
Note: SQUAM CEL CARC TGLs = 7-14			
Zymbal's Gland		Ectasia	Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 160	**TRT#:** 3	**SEX:** Male	**DAY ON TEST:** 602
	DOSE: 80 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH	-

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 161	**TRT#:** 3	**SEX:** Male	**DAY ON TEST:** 480
	DOSE: 80 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland

OBSERVATIONS

Bone	Cranium	Carcinoma	Metastatic (Zymbal'S Gland)
Eye	Antr Chamber, Cornea	Inflammation	Acute, Moderate
Note: INFLAMMATION TGLs = 3-13			
Kidney		Nephropathy	Chronic, Mild
Liver		Basophilic Focus	Minimal
		Granuloma	Mild
Lung		Carcinoma	Metastatic (Zymbal'S Gland), Multiple (Zymbal'S Gland)
Note: CARCINOMA TGLs = 2-4,4.1			
Pancreas		Atrophy	Mild
Pituitary Gland	Pars Distalis	Cyst	Mild
Preputial Gland		Ectasia	Moderate
Skin		Basal Cell Adenoma	
	Hair Follicle	Hyperplasia	Basal Cell, Focal, Moderate
		Necrosis	Marked
Note: BASAL CEL ADEN TGLs = 4-15			
Note: NECROSIS TGLs = 6-14			
Spleen		Hematopoietic Cell Proliferation	Mild
Thyroid Gland	C Cell	Hyperplasia	Focal, Minimal
Zymbal's Gland		Adenoma	

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 161	**TRT#:** 3	**SEX:** Male	**DAY ON TEST:** 480
	DOSE: 80 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

	Carcinoma
Note: CARCINOMA TGLs = 5-10,10.1	
PRIMARY CAUSE OF DEATH	-

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 162	**TRT#:** 3	**SEX:** Male	**DAY ON TEST:** 538
	DOSE: 80 PPM	**DISP:** Dead	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Heart	Atrium	Thrombosis	
Note: THROMBUS TGLs = 5-3			
Liver		Degeneration	Cystic, Mild
	Centrilobular	Necrosis	Diffuse, Marked
		Neoplastic Nodule	
Note: NECROSIS TGLs = 7-3.1			
Note: NEOPLASTIC NOD TGLs = 8-3.1			
Lung		Hyperplasia	Lymphoid, Mild
		Infiltration Cellular	Histiocyte, Mild
Lymph Node	Mediastinal	Congestion	Moderate
Note: CONGESTION TGLs = 6-9			
Mesentery	Fat	Necrosis	Moderate
Note: NECROSIS TGLs = 10-6.1			
Pancreas		Atrophy	Mild
Preputial Gland		Ectasia	Moderate
Note: ECTASIA TGLs = 3-8.2			
Skin		Basal Cell Adenoma	
		Squamous Cell Papilloma	
Note: [SQ CL PAPILLOM] TGLs = 1,2-10.1,10.2			
Note: BASAL CEL ADEN TGLs = 1,2-10.1,10.2			
Testes	Bilateral, Interstit Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 162	**TRT#:** 3	**SEX:** Male	**DAY ON TEST:** 538
	DOSE: 80 PPM	**DISP:** Dead	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

Note: ADENOMA	TGLs = 11-8,8.1		
Zymbal's Gland		Ectasia	Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 163	**TRT#:** 3	**SEX:** Male	**DAY ON TEST:** 618
	DOSE: 80 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	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	Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland
Nose	Pancreas	Parathyroid Gland	Pituitary Gland
Prostate	Salivary Glands	Seminal Vesicle	Stomach - Forestomach
Stomach - Glandular	Thymus	Trachea	Urinary Bladder

OBSERVATIONS

Heart		Cardiomyopathy	Chronic, Mild
	Atrium	Thrombosis	
Kidney		Nephropathy	Chronic, Mild
Liver		Basophilic Focus	Mild
		Eosinophilic Focus	Mild
		Hematopoietic Cell Proliferation	Mild
Lung		Hyperplasia	Lymphoid, Mild
Preputial Gland		Hyperplasia	Minimal
Skin		Basal Cell Adenoma	
Note: BASAL CEL ADEN TGLs = 1-13			
Spleen		Hematopoietic Cell Proliferation	Moderate
Testes	Bilateral, Interstit Cell	Adenoma	
Note: ADENOMA TGLs = 2-8,8.1			
Thyroid Gland	C Cell	Hyperplasia	Focal, Minimal
Zymbal's Gland		Ectasia	Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 164	**TRT#:** 3	**SEX:** Male	**DAY ON TEST:** 485
	DOSE: 80 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland

OBSERVATIONS

Kidney		Nephropathy	Chronic, Minimal
Liver		Clear Cell Focus	Minimal
		Necrosis	Coagulative, Mild
Lung		Hyperplasia	Lymphoid, Mild
Mesentery	Fat	Necrosis	Moderate
Note: NECROSIS TGLs = 4-13			
Preputial Gland		Adenoma	
		Ectasia	Moderate
Note: ADENOMA TGLs = 1-8.2			
Skin		Basal Cell Adenoma	
		Cyst Epithelial Inclusion	
		Squamous Cell Carcinoma	
Note: [SQUAM CEL CARC] TGLs = 9-17			
Note: BASAL CEL ADEN TGLs = 7-15			
Note: CYST EPITH INC TGLs = 8-16			
Testes	Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Mild
Note: ADENOMA TGLs = 2,3-8			
Thyroid Gl			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 164	**TRT#:** 3	**SEX:** Male	**DAY ON TEST:** 485
	DOSE: 80 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

Note: CARCINOMA "FLOATER" IS PRESENT ON SLIDE NEAR THYROID..	
Tongue	Squamous Cell Papilloma
Note: SQ CL PAPILLOM TGLs = 5-14	
Zymbal's Gland	Carcinoma
Note: CARCINOMA TGLs = 6-10	
PRIMARY CAUSE OF DEATH -	

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 165	**TRT#:** 3	**SEX:** Male	**DAY ON TEST:** 515
	DOSE: 80 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Thymus

OBSERVATIONS

Brain		Leukemia Mononuclear	
Kidney		Nephropathy	Chronic, Mild
Liver		Basophilic Focus	Minimal
		Degeneration	Cystic, Mild
		Leukemia Mononuclear	
Lung		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 4-4,4.1			
Preputial Gl			
Note: ONLY ONE GLD IS PRESENT..			
Prostate		Inflammation	Chronic Active, Mild
Skin		Squamous Cell Papilloma	Multiple
Note: SQ CL PAPILLOM TGLs = 2,3-13,14			
Spleen		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 1-3			
Testes	Bilateral, Interstit Cell	Adenoma	
Zymbal's Gland		Ectasia	Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 166	**TRT#:** 3	**SEX:** Male	**DAY ON TEST:** 609
	DOSE: 80 PPM	**DISP:** Dead	**HISTO:**

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
Lymph Node - Mesenteric	Mammary Gland	Nose	Pituitary Gland
Preputial Gland	Prostate	Salivary Glands	Seminal Vesicle
Stomach - Forestomach	Stomach - Glandular	Thyroid Gland	Trachea
Urinary Bladder			

MISSING

Parathyroid Gland	Thymus

OBSERVATIONS

Adrenal Gland	Cortex	Leukemia Mononuclear	
	Medulla	Leukemia Mononuclear	
	Bilateral, Medulla	Pheochromocytoma Benign	
Kidney		Nephropathy	Chronic, Mild
Liver		Basophilic Focus	Minimal
		Leukemia Mononuclear	
	Centrilobular	Necrosis	Multifocal, Moderate
Note: LEUKEMIA MONUC TGLs = 1,2,8-3.1			
Lung		Leukemia Mononuclear	
Lymph Node	Mandibular	Leukemia Mononuclear	
Mesentery	Fat	Necrosis	Moderate
Note: NECROSIS TGLs = 7-14			
Pancreas	Acinus	Hypertrophy	Multifocal, Mild
Note: INCREASED ZYMOGEN IN PERI-INSULAR AREAS..			
Skin		Basal Cell Adenoma	
Note: BASAL CEL ADEN TGLs = 4-13			
Spleen		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 5-3.1			
Testes	Bilateral, Interstit Cell	Adenoma	
Note: ADENOMA TGLs = 9-8,8.1			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 166	**TRT#:** 3	**SEX:** Male	**DAY ON TEST:** 609
	DOSE: 80 PPM	**DISP:** Dead	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

Zymbal's Gland	Ectasia	Minimal
PRIMARY CAUSE OF DEATH	-	

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 167	**TRT#:** 3	**SEX:** Male	**DAY ON TEST:** 647
	DOSE: 80 PPM	**DISP:** Terminal Sacrifice	**HISTO:**

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	Lymph Node - Mandibular
Lymph Node - Mesenteric	Mammary Gland	Nose	Parathyroid Gland
Preputial Gland	Prostate	Salivary Glands	Seminal Vesicle
Stomach - Forestomach	Stomach - Glandular	Thymus	Trachea
Urinary Bladder			

OBSERVATIONS

Adrenal Gland	Cortex	Leukemia Mononuclear	
	Medulla	Leukemia Mononuclear	
	Medulla	Pheochromocytoma Benign	
Heart		Cardiomyopathy	Chronic, Mild
Kidney		Nephropathy	Chronic, Moderate
Liver		Basophilic Focus	Mild
		Degeneration	Cystic, Minimal
		Eosinophilic Focus	Mild
		Leukemia Mononuclear	
	Centrilobular	Necrosis	Focal, Mild
		Regeneration	Multifocal, Moderate
Note: LEUKEMIA MONUC TGLs = 7-3.1			
Lung		Hyperplasia	Lymphoid, Mild
		Leukemia Mononuclear	
Pancreas		Atrophy	Moderate
Pharynx	Palate	Squamous Cell Papilloma	
Note: SQ CL PAPILLOM TGLs = 9-12.1			
Pituitary Gland		Leukemia Mononuclear	
Skin	Sebaceous Gl	Adenoma	
		Basal Cell Adenoma	Multiple
Note: BASAL CEL ADEN TGLs = 1,2,3-13,14,15			
Spleen		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 167	**TRT#:** 3	**SEX:** Male	**DAY ON TEST:** 647
	DOSE: 80 PPM	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

Note: LEUKEMIA MONUC TGLs = 5-3.2			
Testes	Bilateral, Interstit Cell	Adenoma	
Note: ADENOMA TGLs = 4-8,8.1			
Thyroid Gland	C Cell	Hyperplasia	Focal, Minimal
Zymbal's Gland		Ectasia	Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 168	**TRT#:** 3	**SEX:** Male	**DAY ON TEST:** 556
	DOSE: 80 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Brain	Epididymis	Esophagus
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Mammary Gland
Nose	Pancreas	Parathyroid Gland	Pituitary Gland
Prostate	Seminal Vesicle	Spleen	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Malignant	
[Pheochromocytoma Malignant TGLS = 4-2]			
Bone Marrow		Hyperplasia	Mild
Heart		Cardiomyopathy	Chronic, Mild
Kidney		Nephropathy	Chronic, Mild
Liver		Basophilic Focus	Minimal
	Centrilobular	Degeneration	Diffuse, Minimal
		Degeneration	Cystic, Mild
		Ectasia	Multifocal, Mild
		Eosinophilic Focus	Mild
Note: ECTASIA TGLs = 7-3.1			
Lung		Hyperplasia	Lymphoid, Mild
Lymph Node	Axillary	Congestion	Moderate
	Mandibular	Congestion	Moderate
	Mesenteric	Congestion	Moderate
Note: CONGESTION TGLs = 5,8,13-7,9,14			
Preputial Gland		Atrophy	Moderate
Salivary Glands	Interlobular	Edema	Marked
Note: EDEMA TGLs = 9-9			
Skin		Basal Cell Adenoma	
	Subcut Tiss	Edema	Moderate
	Subcut Tiss	Fibroma	

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 168	**TRT#:** 3	**SEX:** Male	**DAY ON TEST:** 556
	DOSE: 80 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

Note: BASAL CEL ADEN TGLs = 14-13.1			
Note: FIBROMA TGLs = 3-13			
Note: EDEMA TGLs = 15-10			
Testes	Bilateral, Interstit Cell	Adenoma	
Note: ADENOMA TGLs = 2-8,8.1			
Zymbal's Gland		Ectasia	Marked
Note: ECTASIA TGLs = 16-10			
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 169	**TRT#:** 3	**SEX:** Male	**DAY ON TEST:** 618
	DOSE: 80 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone Marrow	Epididymis	Esophagus
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Lymph Node - Mesenteric	Mammary Gland
Nose	Pancreas	Parathyroid Gland	Pituitary Gland
Prostate	Seminal Vesicle	Spleen	Stomach - Forestomach
Thymus	Thyroid Gland	Trachea	Urinary Bladder

OBSERVATIONS

Adrenal Gland	Bilateral, Medulla	Pheochromocytoma Benign	
Brain	Cerebrum	Astrocytoma Malignant	
Heart	Atrium	Thrombosis	
Note: THROMBUS TGLs = 11,12-3			
Intestine Large	Cecum, Submucosa	Edema	Moderate
	Cecum, Mucosa	Necrosis	Focal, Moderate
Note: EDEMA TGLs = 7-7			
Note: NECROSIS TGLs = 8-7			
Kidney		Nephropathy	Chronic, Mild
Liver	Centrilobular	Degeneration	Diffuse, Marked
		Degeneration	Cystic, Moderate
	Bile Duct	Hyperplasia	Moderate
		Regeneration	Diffuse, Marked
Note: DEGEN TGLs = 4-3.1			
Note: REGENERATION TGLs = 5,6-3.1			
Lung		Basal Cell Carcinoma	Metastatic (Skin), Multiple (Skin)
	Alveolar Epith	Hyperplasia	Focal, Moderate
Note: BASAL CEL CARC TGLs = 14,15-4.1			
Lymph Node	Axillary	Erythrophagocytosis	Moderate
	Mandibular	Erythrophagocytosis	Moderate
Note: ERYTHROPHAGOCY TGLs = 10-14			
Preputial Gland		Atrophy	Moderate
Salivary Glands		Atrophy	Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 169	**TRT#:** 3	**SEX:** Male	**DAY ON TEST:** 618
	DOSE: 80 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

Note: ATROPHY TGLs = 9-9			
Skin		Basal Cell Adenoma	Multiple
		Basal Cell Carcinoma	
	Subcut Tiss	Edema	Moderate
		Squamous Cell Carcinoma	
Note: SQUAM CEL CARC TGLs = 20-18			
Note: EDEMA TGLs = 1-13			
Note: BASAL CEL ADEN TGLs = 18,19-16,17			
Note: BASAL CEL CARC TGLs = 17-15			
Stomach	Glandular	Erosion	Multifocal, Marked
Testes	Bilateral, Interstit Cell	Adenoma	
Note: ADENOMA TGLs = 3-8,8.1			
Zymbal's Gland		Ectasia	Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 170	**TRT#:** 3	**SEX:** Male	**DAY ON TEST:** 595
	DOSE: 80 PPM	**DISP:** Dead	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Bone	Cranium	Squamous Cell Carcinoma	Metastatic (Skin)
Brain	Cerebrum, Meninges, Perivascular	Squamous Cell Carcinoma	Metastatic (Skin)
Eye	Choroid, Conjunctiva, Retrobulbar	Squamous Cell Carcinoma	Metastatic (Skin)
Note: SQUAM CEL CARC TGLs = 1-13			
Liver		Hepatodiaphragmatic Nodule	
[Hepatodiaphragmatic Nodule TGLS = 5-3.1]			
Lung		Squamous Cell Carcinoma	Metastatic (Skin), Multiple (Skin)
Lymph Node	Mandibular	Squamous Cell Carcinoma	Metastatic (Skin)
Note: SQUAM CEL CARC TGLs = 4-9.1			
Nose		Squamous Cell Carcinoma	Metastatic (Skin)
Preputial Gland		Atrophy	Moderate
Skin		Basal Cell Adenoma	
		Squamous Cell Carcinoma	
Note: SQUAM CEL CARC TGLs = 12,12.1,12.2,12.3			
[Squamous Cell Carcinoma TGLS = 7-14]			
Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 8-8,8.1]			
Zymbal's Gland		Carcinoma	
		Ectasia	Marked
Note: [CARCINOMA] TGLs = 3-10			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 171	**TRT#:** 3	**SEX:** Male	**DAY ON TEST:** 556
	DOSE: 80 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - 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
Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland	Nose
Parathyroid Gland	Pituitary Gland	Preputial Gland	Prostate
Salivary Glands	Seminal Vesicle	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Focal, Minimal
Heart		Cardiomyopathy	Chronic, Mild
Kidney		Nephropathy	Chronic, Minimal
Liver		Degeneration	Cystic, Mild
		Eosinophilic Focus	Mild
		Leukemia Mononuclear	
	Centrilobular	Necrosis	Multifocal, Mild
		Regeneration	Multifocal, Marked
Note: REGENERATION TGLs = 7-3.1			
Lung		Leukemia Mononuclear	
Pancreas		Atrophy	Mild
Pharynx	Palate	Squamous Cell Papilloma	
Note: SQ CL PAPILLOM TGLs = 9-14			
Skin		Basal Cell Adenoma	
	Subcut Tiss	Fibroma	
		Keratoacanthoma	
Note: FIBROMA TGLs = 8-13.2			
Note: BASAL CEL ADEN TGLs = 1-13			
Note: KERATOACANTHMA TGLs = 2-13.1			
Spleen		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 3-3			
Testes	Bilateral, Interstit Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 171	**TRT#:** 3	**SEX:** Male	**DAY ON TEST:** 556
	DOSE: 80 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

Note: ADENOMA	TGLs = 4,5-8,8.1		
Zymbal's Gland		Ectasia	Mild
		Hyperplasia	Squamous, Focal, Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 172	**TRT#:** 3	**SEX:** Male	**DAY ON TEST:** 647
	DOSE: 80 PPM	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Brain	Epididymis
Esophagus	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland	Nose
Pancreas	Parathyroid Gland	Preputial Gland	Salivary Glands
Seminal Vesicle	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

OBSERVATIONS

Bone Marrow		Hyperplasia	Mild
Heart		Cardiomyopathy	Chronic, Mild
	Atrium	Thrombosis	
Kidney		Nephropathy	Chronic, Moderate
Note: NEPHROPATHY TGLs = 3-5			
Liver		Basophilic Focus	Mild
		Degeneration	Cystic, Focal, Minimal
		Eosinophilic Focus	Moderate
		Hematopoietic Cell Proliferation	Mild
Lung		Hyperplasia	Lymphoid, Mild
Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 5-2]			
Prostate		Hyperplasia	Glandular, Multifocal, Minimal
Skin		Basal Cell Adenoma	Multiple
Note: BASAL CEL ADEN TGLs = 7,8,9-13,14,15			
Spleen		Hematopoietic Cell Proliferation	Moderate
Testes	Bilateral, Interstit Cell	Adenoma	
Note: ADENOMA TGLs = 1,2-8,8.1			
Zymbal's Gland		Hyperplasia	Focal, Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 173	**TRT#:** 3	**SEX:** Male	**DAY ON TEST:** 585
	DOSE: 80 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	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	Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland
Nose	Pancreas	Pituitary Gland	Prostate
Seminal Vesicle	Spleen	Stomach - Forestomach	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

OBSERVATIONS

Heart		Cardiomyopathy	Chronic, Mild
	Artery	Mineralization	Moderate
Kidney	Renal Tubule	Degeneration	Moderate
		Mineralization	Marked
Liver		Basophilic Focus	Moderate
		Degeneration	Cystic, Multifocal, Mild
		Eosinophilic Focus	Mild
Lung		Hyperplasia	Lymphoid, Mild
	Artery, Mediastinum	Mineralization	Moderate
Mesentery	Artery	Mineralization	Marked
Parathyroid Gland		Hyperplasia	Mild
Preputial Gland		Atrophy	Moderate
Salivary Glands	Parotid Gl	Atrophy	Moderate
Skin		Basal Cell Adenoma	
Note: BASAL CEL ADEN TGLs = 6-13			
Stomach	Glandular, Mucosa, Muscularis	Mineralization	Marked
Testes	Bilateral, Interstit Cell	Adenoma	
Note: ADENOMA TGLs = 1,2-8,8.1			
Zymbal's Gland		Ectasia	Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 174	**TRT#:** 3	**SEX:** Male	**DAY ON TEST:** 647
	DOSE: 80 PPM	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Brain	Cerebellum	Astrocytoma Malignant	
Heart		Cardiomyopathy	Chronic, Mild
Kidney		Nephropathy	Chronic, Moderate
Liver		Basophilic Focus	Mild
		Degeneration	Cystic, Mild
		Hepatocellular Carcinoma	
		Hepatodiaphragmatic Nodule	Multiple
		Leukemia Mononuclear	
		Regeneration	Multifocal, Moderate
Note: [HEPATOCLR CARC] TGLs = 11-3.1			
Note: ANOM HEPAT LOB TGLs = 9,10-3.2			
Lung		Hyperplasia	Lymphoid, Mild
Preputial Gland		Adenoma	
		Atrophy	Moderate
Note: ADENOMA TGLs = 3-8.2			
Prostate		Hyperplasia	Glandular, Multifocal, Mild
Skin		Cyst Epithelial Inclusion	
		Squamous Cell Carcinoma	Multiple
		Squamous Cell Papilloma	Multiple
Note: SQUAM CEL CARC TGLs = 1,2-13,14			
Note: SQ CL PAPILLOM TGLs = 8,12-15,16			
Note: CYST EPITH INC TGLs = 13-17			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 174	**TRT#:** 3	**SEX:** Male	**DAY ON TEST:** 647
	DOSE: 80 PPM	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

Spleen		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 7-3			
Testes	Bilateral, Interstit Cell	Adenoma	
Note: ADENOMA TGLs = 4,5-8,8.1			
Zymbal's Gland		Ectasia	Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 175	**TRT#:** 3	**SEX:** Male	**DAY ON TEST:** 354
	DOSE: 80 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Brain	Epididymis
Intestine Large - Cecum	Intestine Large - Colon	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland
Nose	Pancreas	Parathyroid Gland	Pituitary Gland
Prostate	Salivary Glands	Skin	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

MISSING

Seminal Vesicle

OBSERVATIONS

Bone Marrow	Myeloid Cell	Hyperplasia	Moderate
Esophagus		Hyperkeratosis	Mild
Heart		Cardiomyopathy	Chronic, Minimal
Intestine Large	Rectum	Parasite Metazoan	Minimal
Intestine Small	Duodenum	Adenocarcinoma	Cystic, Mucinous
Note: ADENOCARC TGLs = 4-6.1			
Kidney		Nephropathy	Chronic, Mild
Liver		Basophilic Focus	Minimal
		Clear Cell Focus	Minimal
		Hematopoietic Cell Proliferation	Minimal
Note: HYPERBASOPHILIA OF PARENCHYMA...			
Lung		Hyperplasia	Lymphoid, Mild
Lymph Node	Mediastinal	Congestion	Mild
	Pancreatic	Hyperplasia	Lymphoid, Moderate
Note: CONGESTION TGLs = 1-9			
Note: HYPERPLASIA TGLs = 3-13			
Preputial Gland		Hyperplasia	Squamous, Focal, Minimal
Spleen		Hematopoietic Cell Proliferation	Moderate
Note: HEMA CELL PROL TGLs = 2-3			
Testes	Interstit Cell	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 175	**TRT#:** 3	**SEX:** Male	**DAY ON TEST:** 354
	DOSE: 80 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

Zymbal's Gland	Hyperplasia	Diffuse, Mild
Note: [HYPERPLASIA] TGLs = 5-10		
PRIMARY CAUSE OF DEATH	-	

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 176	**TRT#:** 3	**SEX:** Male	**DAY ON TEST:** 606
	DOSE: 80 PPM	**DISP:** Moribund	**HISTO:**

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	Lymph Node - Mandibular
Lymph Node - Mesenteric	Mammary Gland	Nose	Pancreas
Parathyroid Gland	Pituitary Gland	Prostate	Salivary Glands
Seminal Vesicle	Stomach - Forestomach	Thymus	Trachea
Urinary Bladder			

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Focal, Minimal
	Cortex	Leukemia Mononuclear	
	Medulla	Leukemia Mononuclear	
Heart		Cardiomyopathy	Chronic, Mild
	Atrium	Thrombosis	
Note: THROMBUS TGLs = 7-3			
Kidney		Nephropathy	Chronic, Mild
Liver		Degeneration	Cystic, Moderate
		Leukemia Mononuclear	
	Centrilobular	Necrosis	Diffuse, Moderate
		Regeneration	Multifocal, Marked
Note: REGENERATION TGLs = 4,5-3.1,3.2,3.3			
Lung		Leukemia Mononuclear	
Lymph Node	Mediastinal	Hyperplasia	Lymphoid, Moderate
Note: HYPERPLASIA TGLs = 8-13			
Preputial Gland		Atrophy	Moderate
Note: ATROPHY TGLs = 1-8.2			
Skin		Keratoacanthoma	
Note: KERATOACANTHMA TGLs = 10-14			
Spleen		Leukemia Mononuclear	
Stomach	Glandular	Erosion	Multifocal, Moderate
Note: EROSION TGLs = 11-6			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 176	**TRT#:** 3	**SEX:** Male	**DAY ON TEST:** 606
	DOSE: 80 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

Testes	Bilateral, Interstit Cell	Adenoma	
Note: ADENOMA TGLs = 2,3-8,8.1			
Thyroid Gland	C Cell	Adenoma	
	Follicular Cel	Carcinoma	
Zymbal's Gland		Ectasia	Marked
Note: ECTASIA TGLs = 9-10			
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 177	**TRT#:** 3	**SEX:** Male	**DAY ON TEST:** 604
	DOSE: 80 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - 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
Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Prostate
Salivary Glands	Seminal Vesicle	Stomach - Forestomach	Stomach - Glandular
Urinary Bladder			

MISSING

Thymus

OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Benign	
Heart		Cardiomyopathy	Chronic, Mild
	Epicardium	Inflammation	Chronic Active, Focal, Moderate
Kidney		Nephropathy	Chronic, Mild
Liver		Basophilic Focus	Mild
		Clear Cell Focus	Minimal
		Degeneration	Cystic, Minimal
		Hematopoietic Cell Proliferation	Minimal
		Leukemia Mononuclear	
Note: LEUKEMIA IS VERY EARLY..			
Note: LEUKEMIA MONUC TGLs = 5-3.1			
Lung		Hyperplasia	Lymphoid, Mild
Mesentery	Fat	Necrosis	Moderate
Note: NECROSIS TGLs = 4-14			
Preputial Gland		Carcinoma	
		Ectasia	Marked
Note: ECTATIC DUCT FILLED WITH KERATIN..			
Note: CARCINOMA TGLs = 2-8.2			
Skin		Basal Cell Adenoma	Multiple
		Basal Cell Carcinoma	

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 177	**TRT#:** 3	**SEX:** Male	**DAY ON TEST:** 604
	DOSE: 80 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

Note: BASAL CEL CARC TGLs = 7-16			
Note: BASAL CEL ADEN TGLs = 1,6-13,15			
Spleen		Leukemia Mononuclear	
Testes		Atrophy	Marked
Note: ATROPHY TGLs = 3-8,8.1			
Thyroid Gland	C Cell	Adenoma	
Zymbal's Gland		Ectasia	Mild
		Hyperplasia	Squamous, Focal, Mild
Note: HYPERPLASIA TGLs = 8-10			
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 178	**TRT#:** 3	**SEX:** Male	**DAY ON TEST:** 558
	DOSE: 80 PPM	**DISP:** Dead	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
Adrenal Gland - Cortex	Adrenal Gland - Medulla	Brain	Epididymis
Esophagus	Islets, Pancreatic	Kidney	Lymph Node - Mandibular
Mammary Gland	Nose	Pancreas	Parathyroid Gland
Prostate	Salivary Glands	Seminal Vesicle	Skin
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder		
MISSING			
Pituitary Gland			
AUTO PRECLUDES DIAG.			
Bone Marrow	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Spleen
OBSERVATIONS			
Heart		Cardiomyopathy	Chronic, Mild
	Atrium	Thrombosis	
Liver		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 5,6-3.1			
Lung		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 9-4,4.1			
Lymph Node	Mesenteric	Hyperplasia	Lymphoid, Moderate
Note: HYPERPLASIA TGLs = 4-7			
Preputial Gland		Ectasia	Moderate
Testes	Bilateral, Interstit Cell	Adenoma	
Note: ADENOMA TGLs = 1,2-8,8.1			
Zymbal's Gland		Ectasia	Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 179	**TRT#:** 3	**SEX:** Male	**DAY ON TEST:** 588
	DOSE: 80 PPM	**DISP:** Dead	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow	Brain	Epididymis	Esophagus
Intestine Large - Colon	Islets, Pancreatic	Lymph Node - Mandibular	Mammary Gland
Pancreas	Parathyroid Gland	Pituitary Gland	Preputial Gland
Prostate	Salivary Glands	Seminal Vesicle	Stomach - Forestomach
Stomach - Glandular	Thyroid Gland	Trachea	Urinary Bladder

MISSING

Thymus

AUTO PRECLUDES DIAG.

Intestine Large - Cecum	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Lymph Node - Mesenteric	Spleen	

OBSERVATIONS

Adrenal Gland	Cortex	Congestion	Moderate
	Medulla	Congestion	Moderate
	Medulla	Pheochromocytoma Benign	
Note: CONGESTION TGLs = 6-2			
[Pheochromocytoma Benign TGLS = 7-2]			
Heart		Cardiomyopathy	Chronic, Mild
Kidney		Nephropathy	Chronic, Mild
Liver		Degeneration	Cystic, Mild
	Centrilobular	Necrosis	Diffuse, Mild
		Regeneration	Focal, Marked
Note: REGENERATION TGLs = 8-3.1			
Note: NECROSIS TGLs = 9-3.1			
Lung		Hyperplasia	Lymphoid, Moderate
Nose		Fungus	Moderate
		Inflammation	Acute, Mild
Skin		Basal Cell Adenoma	
		Squamous Cell Carcinoma	
Note: [SQUAM CEL CARC] TGLs = 1-13			
Note: [BASAL CEL ADEN] TGLs = 12-15			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 179	**TRT#:** 3	**SEX:** Male	**DAY ON TEST:** 588
	DOSE: 80 PPM	**DISP:** Dead	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

Testes	Bilateral, Interstit Cell	Adenoma	
Note: ADENOMA TGLs = 3,4-8,8.1			
Zymbal's Gland		Ectasia	Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 180	**TRT#:** 3	**SEX:** Male	**DAY ON TEST:** 593
	DOSE: 80 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - 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
Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Prostate
Salivary Glands	Seminal Vesicle	Stomach - Forestomach	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

OBSERVATIONS

Adrenal Gland	Bilateral, Medulla	Pheochromocytoma Benign	
Heart		Cardiomyopathy	Chronic, Mild
	Atrium	Thrombosis	
Note: THROMBUS TGLs = 10-13			
Kidney		Nephropathy	Chronic, Mild
Liver		Basophilic Focus	Mild
		Clear Cell Focus	Mild
		Degeneration	Cystic, Mild
		Eosinophilic Focus	Mild
		Hematopoietic Cell Proliferation	Minimal
	Centrilobular	Necrosis	Mild
		Neoplastic Nodule	
		Thrombosis	
Note: THROMBUS TGLs = 9-14			
Lung		Hyperplasia	Lymphoid, Mild
Mesentery	Fat	Necrosis	Moderate
Note: NECROSIS TGLs = 3-13			
Pharynx	Palate	Squamous Cell Papilloma	
Preputial Gland		Ectasia	Moderate
		Hyperplasia	Squamous, Focal, Mild
Skin		Basal Cell Adenoma	
Note: BASAL CEL ADEN TGLs = 11-15			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 180	**TRT#:** 3	**SEX:** Male	**DAY ON TEST:** 593
	DOSE: 80 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

Spleen		Hematopoietic Cell Proliferation	Marked
Note: HEMA CELL PROL TGLs = 12-3			
Stomach	Glandular	Erosion	Multifocal, Mild
Testes	Bilateral, Interstit Cell	Adenoma	
Note: ADENOMA TGLs = 2-8,8.1			
Zymbal's Gland		Ectasia	Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 181	**TRT#:** 3	**SEX:** Male	**DAY ON TEST:** 647
	DOSE: 80 PPM	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - 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
Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland	Parathyroid Gland
Pituitary Gland	Salivary Glands	Seminal Vesicle	Stomach - Forestomach
Stomach - Glandular	Thymus	Trachea	Urinary Bladder

OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Benign	
[Pheochromocytoma Benign TGLS = 11-2.1]			
Heart		Cardiomyopathy	Chronic, Mild
Kidney		Nephropathy	Chronic, Moderate
Liver		Basophilic Focus	Minimal
		Clear Cell Focus	Minimal
		Leukemia Mononuclear	
Lung	Alveolar Epith	Hyperplasia	Multifocal, Moderate
		Hyperplasia	Lymphoid, Moderate
Mesentery	Fat	Necrosis	Moderate
Note: NECROSIS TGLs = 10			
Nose		Inflammation	Chronic, Mild
Pancreas	Acinus	Adenoma	
Preputial Gland		Hyperplasia	Focal, Moderate
Prostate		Hyperplasia	Glandular, Focal, Minimal
Skin		Basal Cell Adenoma	Multiple
		Squamous Cell Carcinoma	
Note: SQUAM CEL CARC TGLs = 1-13			
Note: BASAL CEL ADEN TGLs = 4,5,6,7-16,17,18,19			
Spleen		Leukemia Mononuclear	
Testes	Bilateral, Interstit Cell	Adenoma	
Note: ADENOMA TGLs = 8,9-8,8.1			
Thyroid Gland	C Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 181	**TRT#:** 3	**SEX:** Male	**DAY ON TEST:** 647
	DOSE: 80 PPM	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

Zymbal's Gland	Ectasia	Mild
	Hyperplasia	Diffuse, Moderate

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 182	**TRT#:** 3	**SEX:** Male	**DAY ON TEST:** 647
	DOSE: 80 PPM	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Bone		Chordoma	
Kidney		Nephropathy	Chronic, Moderate
Liver		Basophilic Focus	Minimal
		Clear Cell Focus	Minimal
		Vacuolization Cytoplasmic	Multifocal, Mild
Note: VERY EARLY..			
Lymph Node	Mediastinal	Pigmentation	Marked
Preputial Gland		Carcinoma	
Note: CARCINOMA TGLs = 1-8.2			
Note: NOT BILATERAL AS DESCRIBED AT NECROPSY..			
Skin		Basal Cell Adenoma	
Note: BASAL CEL ADEN TGLs = 6-14			
Testes	Bilateral, Interstit Cell	Adenoma	
Note: ADENOMA TGLs = 2-8,8.1			
Thyroid Gland	C Cell	Hyperplasia	Focal, Minimal
Zymbal's Gland	Bilateral	Adenoma	
		Ectasia	Moderate

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 183	**TRT#:** 3	**SEX:** Male	**DAY ON TEST:** 647
	DOSE: 80 PPM	**DISP:** Terminal Sacrifice	**HISTO:**

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	Lymph Node - Mandibular
Lymph Node - Mesenteric	Mammary Gland	Nose	Pancreas
Parathyroid Gland	Pituitary Gland	Prostate	Salivary Glands
Seminal Vesicle	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Focal, Mild
	Medulla	Pheochromocytoma Benign	
Heart	Atrium	Thrombosis	
Note: THROMBUS TGLs = 8-3			
Kidney		Nephropathy	Chronic, Mild
Liver		Clear Cell Focus	
		Hematopoietic Cell Proliferation	Minimal
		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 7-3.1			
Lung		Hyperplasia	Lymphoid, Mild
Preputial Gland		Hyperplasia	Squamous, Focal, Mild
Skin		Basal Cell Adenoma	
Note: BASAL CEL ADEN TGLs = 1-13			
Spleen		Leukemia Mononuclear	
Testes	Interstit Cell	Adenoma	
		Atrophy	Moderate
Note: ATROPHY TGLs = 3-8.1			
Note: ADENOMA TGLs = 2,4-8			
Zymbal's Gland		Ectasia	Mild
		Hyperplasia	Squamous, Focal, Minimal

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 184	**TRT#:** 3	**SEX:** Male	**DAY ON TEST:** 647
	DOSE: 80 PPM	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	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	Lymph Node - Mandibular	Mammary Gland	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Prostate
Salivary Glands	Seminal Vesicle	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder

OBSERVATIONS

Heart		Cardiomyopathy	Chronic, Mild
	Atrium	Thrombosis	
Note: THROMBUS TGLs = 5-3			
Kidney		Nephropathy	Chronic, Mild
Liver		Clear Cell Focus	Minimal
	Centrilobular	Degeneration	Diffuse, Minimal
		Eosinophilic Focus	Minimal
		Hematopoietic Cell Proliferation	Mild
Lung		Hyperplasia	Lymphoid, Mild
Lymph Node	Mesenteric	Hyperplasia	Reticulum Cell, Moderate
Preputial Gland		Ectasia	Marked
Note: ECTATIC DUCT FILLED WITH KERATIN AND DEBRIS..			
Skin		Basal Cell Adenoma	Multiple
		Hyperkeratosis	Focal, Mild
Note: BASAL CEL ADEN TGLs = 1,8,9-13,15,16			
Note: HYPERKERATOSIS TGLs = 7-14			
Spleen		Hematopoietic Cell Proliferation	Mild
Testes	Bilateral, Interstit Cell	Adenoma	
Note: ADENOMA TGLs = 2,3-8,8.1			
Zymbal's Gland		Ectasia	Minimal

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 185	**TRT#:** 3	**SEX:** Male	**DAY ON TEST:** 638
	DOSE: 80 PPM	**DISP:** Dead	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Thymus

OBSERVATIONS

Adrenal Gland	Bilateral, Medulla	Pheochromocytoma Benign	
Heart		Cardiomyopathy	Chronic, Mild
	Atrium	Thrombosis	
Intestine Small	Jejunum	Adenocarcinoma	Cystic, Mucinous
Note: ADENOCARC TGLs = 8-6.1			
Kidney		Adenocarcinoma	Metastatic (Intestine Small)
Liver		Basophilic Focus	Minimal
		Degeneration	Cystic, Mild
	Centrilobular	Necrosis	Diffuse, Mild
Lung		Adenocarcinoma	Metastatic (Intestine Small), Multiple (Intestine Small)
		Congestion	Moderate
Note: CONGESTION TGLs = 13-4,4.1			
Note: METASTASIS NOTED IN MEDIASTINUM TGL#15, INCL. IN LUNG..			
Lymph Node	Mediastinal, Mesenteric, Pancreatic	Adenocarcinoma	Metastatic (Intestine Small)
Note: ADENOCARC TGLs = 6,7,14-7,9,13,14			
Pancreas		Adenocarcinoma	Metastatic (Intestine Small), Multiple (Intestine Small)
Preputial Gland		Ectasia	Moderate
Note: ECTASIA TGLs = 1-8.2			
Seminal Vesicle		Adenocarcinoma	Metastatic (Intestine Small), Multiple (Intestine Small)

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 185	**TRT#:** 3	**SEX:** Male	**DAY ON TEST:** 638
	DOSE: 80 PPM	**DISP:** Dead	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

Note: ADENOCARC TGLs = 5-8.3			
Testes	Bilateral, Interstit Cell	Adenoma	
Note: ADENOMA TGLs = 2,3,4-8,8.1			
Thyroid Gland	C Cell	Carcinoma	
Note: CARCINOMA TGLs = 12-2			
Zymbal's Gland		Ectasia	Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 231	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 591
	DOSE: 170 PPM	**DISP:** Dead	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - 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
Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Prostate
Salivary Glands	Seminal Vesicle	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder

OBSERVATIONS

Adrenal Gland	Bilateral, Medulla	Pheochromocytoma Benign	
Heart	Atrium	Thrombosis	
[Thrombosis TGLS = 1-3]			
Kidney		Nephropathy	Chronic, Mild
Note: NEPHROPATHY TGLs = 8-5,5.1			
Liver		Basophilic Focus	Mild
	Centrilobular	Degeneration	Diffuse, Mild
		Eosinophilic Focus	Mild
		Hematopoietic Cell Proliferation	Mild
	Bile Duct	Hyperplasia	Mild
		Neoplastic Nodule	
		Regeneration	Diffuse, Moderate
		Thrombosis	
Note: THROMBUS TGLs = 19-3.2			
Note: REGENERATION TGLs = 5,6,18-3.1,3.2			
Lung	Alveolar Epith	Hyperplasia	Focal, Mild
		Hyperplasia	Lymphoid, Mild
Mesentery	Fat	Necrosis	Marked
Note: DESCRIBED AS ENLARGED PANCREATIC NODE..			
[Necrosis TGLS = 14-17]			
Preputial Gland		Atrophy	Moderate
		Ectasia	Moderate

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 231	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 591
	DOSE: 170 PPM	**DISP:** Dead	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

Skin		Basal Cell Adenoma	Multiple
		Basal Cell Carcinoma	
	Subcut Tiss	Edema	Moderate
		Squamous Cell Carcinoma	
Note: EDEMA TGLs = 2,3,4-10,9			
Note: BASAL CEL ADEN TGLs = 9,11-13,15			
Note: BASAL CEL CARC TGLs = 10-14			
Note: SQUAM CEL CARC TGLs = 12-16			
Spleen		Hyperplasia	Reticulum Cell, Marked
Note: HYPERPLASIA TGLs = 13,15-3			
Testes	Bilateral, Interstit Cell	Adenoma	
Note: ADENOMA TGLs = 16,17-8,8.1			
Zymbal's Gland		Adenoma	
Note: ADENOMA TGLs = 21-10			
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 232	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 391
	DOSE: 170 PPM	**DISP:** Dead	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
Brain	Epididymis	Esophagus	Islets, Pancreatic
Lymph Node - Mandibular	Mammary Gland	Pancreas	Parathyroid Gland
Pituitary Gland	Salivary Glands	Skin	Thymus
Trachea			
MISSING			
Seminal Vesicle			
AUTO PRECLUDES DIAG.			
Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone Marrow	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Kidney	Liver	Lymph Node - Mesenteric
Nose	Preputial Gland	Spleen	Stomach - Forestomach
Stomach - Glandular	Thyroid Gland		
OBSERVATIONS			
Heart		Cardiomyopathy	Chronic, Mild
Lung		Hyperplasia	Lymphoid, Mild
Prostate		Inflammation	Acute, Moderate
Testes	Bilateral, Interstit Cell	Adenoma	
Note: ADENOMA TGLs = 2-8.8.1			
Urinary Bladder		Hemorrhage	Marked
		Inflammation	Acute, Marked
Note: INFLAMMATION TGLs = 1-8.3			
Note: HEMORRHAGE TGLs = 1-8.3			
Zymbal's Gland		Ectasia	Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 233	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 525
	DOSE: 170 PPM	**DISP:** Dead	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Heart		Schwannoma Malignant	
Intestine Small	Jejunum	Adenocarcinoma	Cystic, Mucinous
Note: ADENOCARC TGLs = 9-6.1			
Kidney		Nephropathy	Chronic, Minimal
Liver		Basophilic Focus	Marked
		Degeneration	Cystic, Minimal
Note: [BASOPH FOCUS] TGLs = 6-3.1			
Lung	Alveolar Epith	Hyperplasia	Multifocal, Moderate
		Hyperplasia	Lymphoid, Moderate
Lymph Node	Mesenteric	Hyperplasia	Lymphoid, Marked
Note: HYPERPLASIA TGLs = 4-7			
Prostate		Hyperplasia	Glandular, Focal, Mild
Skin		Basal Cell Adenoma	Multiple
		Squamous Cell Papilloma	
Note: BASAL CEL ADEN TGLs = 1,2-10.1,10.2			
Note: SQ CL PAPILLOM TGLs = 7-10.3			
Spleen		Hematopoietic Cell Proliferation	Marked
[Hematopoietic Cell Proliferation TGLS = 8-3]			
Testes	Bilateral, Interstit Cell	Adenoma	
Note: ADENOMA TGLs = 3-8,8.1			
Zymbal's Gland		Ectasia	Minimal
		Hyperplasia	Squamous, Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 233	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 525
	DOSE: 170 PPM	**DISP:** Dead	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH	-

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 234	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 531
	DOSE: 170 PPM	**DISP:** Dead	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - 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
Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose	Pancreas
Parathyroid Gland	Pituitary Gland	Salivary Glands	Stomach - Forestomach
Thymus	Thyroid Gland	Trachea	Urinary Bladder

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Multifocal, Moderate
Heart		Cardiomyopathy	Chronic, Mild
	Atrium	Thrombosis	
Note: THROMBUS TGLs = 10-3			
Kidney		Nephropathy	Chronic, Minimal
Liver		Degeneration	Cystic, Minimal
		Hematopoietic Cell Proliferation	Minimal
	Bile Duct	Hyperplasia	Mild
	Centrilobular	Necrosis	Diffuse, Marked
		Regeneration	Diffuse, Mild
Note: NECROSIS TGLs = 8-3.1			
Note: REGENERATION TGLs = 7-3.1,3.2			
Lung		Hyperplasia	Lymphoid, Mild
		Pigmentation	Focal, Moderate
Lymph Node	Mediastinal	Atrophy	Moderate
Note: ATROPHY TGLs = 9-9			
Preputial Gland		Adenoma	
		Hyperplasia	Squamous, Focal, Minimal
Note: ADENOMA TGLs = 5-8.2			
Prostate		Inflammation	Chronic Active, Mild
Seminal Vesicle	Epithelium	Hyperplasia	Focal, Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 234	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 531
	DOSE: 170 PPM	**DISP:** Dead	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

Skin		Basal Cell Carcinoma	Multiple
Note: BASAL CEL CARC TGLs = 1,2-10.1,10.2			
Spleen		Hematopoietic Cell Proliferation	Moderate
Stomach	Glandular	Erosion	Multifocal, Moderate
Note: EROSION TGLs = 13-6			
Testes	Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Mild
Note: ADENOMA TGLs = 11-8			
Zymbal's Gland		Ectasia	Mild
		Hyperplasia	Focal, Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 235	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 304
	DOSE: 170 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Seminal Vesicle

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Focal, Mild
Heart		Cardiomyopathy	Chronic, Minimal
Intestine Large	Colon	Parasite Metazoan	
	Rectum	Parasite Metazoan	
Kidney		Nephropathy	Chronic, Mild
Liver		Basophilic Focus	Mild
		Clear Cell Focus	Mild
Lung		Hyperplasia	Lymphoid, Mild
Lymph Node	Mesenteric	Hyperplasia	Reticulum Cell, Mild
Preputial Gland		Hyperplasia	Squamous, Focal, Minimal
Zymbal's Gland		Carcinoma	
		Ectasia	Mild

Note: CARCINOMA TGLs = 1-10.1

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 236	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 556
	DOSE: 170 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Brain	Epididymis
Esophagus	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland	Pancreas
Parathyroid Gland	Pituitary Gland	Preputial Gland	Prostate
Salivary Glands	Seminal Vesicle	Stomach - Forestomach	Stomach - Glandular
Thyroid Gland	Trachea	Urinary Bladder	Zymbal's Gland

MISSING

Thymus

OBSERVATIONS

Bone Marrow		Hyperplasia	Mild
Heart		Cardiomyopathy	Chronic, Mild
Kidney		Nephropathy	Chronic, Mild
Liver		Basophilic Focus	Mild
		Degeneration	Cystic, Mild
		Eosinophilic Focus	Mild
		Necrosis	Multifocal, Mild
		Neoplastic Nodule	
Note: NEOPLASTIC NOD TGLs = 4-3.1			
Note: NECROSIS TGLs = 5-3.1			
Lung		Hyperplasia	Lymphoid, Mild
Mesentery	Fat	Necrosis	Moderate
Note: NECROSIS TGLs = 6-13			
Nose		Fungus	Marked
		Inflammation	Acute, Marked
Skin		Basal Cell Adenoma	Multiple
	Subcut Tiss	Fibroma	
		Keratoacanthoma	
		Squamous Cell Carcinoma	Multiple
Note: [SQUAM CEL CARC] TGLs = 10,11,13-15.1,15.2,15.4			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 236	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 556
	DOSE: 170 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

Note: FIBROMA TGLs = 9-15			
Note: BASAL CEL ADEN TGLs = 12,14,15,16-15.3,15.5,15.6,15.7			
Spleen		Hematopoietic Cell Proliferation	Moderate
Testes	Bilateral, Interstit Cell	Adenoma	
Note: ADENOMA TGLs = 2,3-8,8.1			
Tongue		Squamous Cell Papilloma	
Note: SQ CL PAPILLOM TGLs = 8-14			
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 237	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 634
	DOSE: 170 PPM	**DISP:** Dead	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - 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
Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Salivary Glands
Seminal Vesicle	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Benign	
	Medulla	Pheochromocytoma Malignant	
[Pheochromocytoma Benign TGLS = 12-2.1]			
Heart		Cardiomyopathy	Chronic, Mild
	Atrium	Thrombosis	
Note: THROMBUS TGLs = 13-3			
Kidney		Nephropathy	Chronic, Moderate
Note: NEPHROPATHY TGLs = 10-5			
Liver		Hematopoietic Cell Proliferation	Minimal
		Leukemia Mononuclear	
		Regeneration	Multifocal, Mild
Lung		Hyperplasia	Lymphoid, Mild
		Leukemia Mononuclear	
Preputial Gland		Ectasia	Moderate
Note: ECTASIA TGLs = 7-8.2			
Prostate		Hyperplasia	Glandular, Multifocal, Mild
Skin		Abscess	Moderate
		Basal Cell Adenoma	Multiple
		Squamous Cell Carcinoma	
Note: ABSCESS TGLs = 16-19			
Note: BASAL CEL ADEN TGLs = 1,2,3,4,6-13,14,15,16,18			
Note: SQUAM CEL CARC TGLs = 5-17			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 237	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 634
	DOSE: 170 PPM	**DISP:** Dead	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

Spleen		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 17-3			
Testes	Bilateral, Interstit Cell	Adenoma	
Note: ADENOMA TGLs = 8-8.1			
Zymbal's Gland		Adenoma	
		Ectasia	Mild
Note: ONE GLAND PRESENT..			
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 238	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 485
	DOSE: 170 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow	Epididymis	Esophagus	Intestine Large - Cecum
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland
Nose	Pancreas	Parathyroid Gland	Pituitary Gland
Salivary Glands	Seminal Vesicle	Stomach - Glandular	Thyroid Gland
Trachea	Urinary Bladder		

MISSING

Thymus

OBSERVATIONS

Adrenal Gland	Cortex	Leukemia Mononuclear	
	Medulla	Leukemia Mononuclear	
	Medulla	Pheochromocytoma Benign	
Note: LEUKEMIA MONUC TGLs = 8-2			
Brain	Cerebrum	Hemorrhage	Minimal
Heart		Cardiomyopathy	Chronic, Mild
Intestine Large	Colon	Adenocarcinoma	
Note: THIS IS AN ADENOMAT.POLYP WITH INVASION OF THE PEDICLE..			
Note: [ADENOCARC] TGLs = 7-7.1			
Kidney		Leukemia Mononuclear	
		Nephropathy	Chronic, Mild
Liver		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 4,10-3.1			
Lung		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 1-4,4.1			
Mesentery	Fat	Necrosis	Moderate
Note: NECROSIS TGLs = 2-13			
Preputial Gland		Adenoma	
		Ectasia	Mild
		Hyperplasia	Squamous, Focal, Minimal
Prostate		Inflammation	Chronic Active, Marked

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 238	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 485
	DOSE: 170 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

Skin		Squamous Cell Carcinoma	
Note: [SQUAM CEL CARC] TGLs = 9-14			
Spleen		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 6-3			
Stomach	Forestomach	Leiomyosarcoma	
Note: LEIOMYOSAR TGLs = 5-6.1			
Testes	Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Mild
Note: ADENOMA TGLs = 3-8			
Note: HYPERPLASIA TGLs = 3-8.1			
Zymbal's Gland		Ectasia	Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 239	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 578
	DOSE: 170 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Brain	Epididymis
Esophagus	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland	Pancreas
Parathyroid Gland	Pituitary Gland	Prostate	Salivary Glands
Seminal Vesicle	Stomach - Forestomach	Stomach - Glandular	Trachea
Urinary Bladder			

MISSING

Thymus

OBSERVATIONS

Bone Marrow	Hyperplasia	Mild
Heart	Cardiomyopathy	Chronic, Minimal
Kidney	Nephropathy	Chronic, Mild
Liver	Basophilic Focus	Minimal
	Degeneration	Cystic, Minimal
	Eosinophilic Focus	Minimal
	Leukemia Mononuclear	
	Necrosis	Multifocal, Mild
	Regeneration	Multifocal, Marked
Note: LEUKEMIA MONUC TGLs = 4-3.1		
Lung	Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 3-4,4.1		
Nose	Fungus	Moderate
	Inflammation	Acute, Moderate
Preputial Gland	Adenoma	
	Ectasia	Marked
Note: ADENOMA TGLs = 1-8.4		
Skin	Basal Cell Adenoma	
Note: BASAL CEL ADEN TGLs = 5-13		
Spleen	Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 239	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 578
	DOSE: 170 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

Note: LEUKEMIA MONUC TGLs = 6-3			
Testes	Bilateral, Interstit Cell	Adenoma	
Note: ADENOMA TGLs = 2-8			
Thyroid Gland	C Cell	Adenoma	
Zymbal's Gland		Ectasia	Focal, Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 240	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 562
	DOSE: 170 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Bone Marrow		Leukemia Mononuclear	
Heart		Cardiomyopathy	Chronic, Mild
Kidney		Nephropathy	Chronic, Mild
Liver		Basophilic Focus	Minimal
		Clear Cell Focus	Mild
		Degeneration	Cystic, Focal, Minimal
		Eosinophilic Focus	Mild
		Hematopoietic Cell Proliferation	Mild
		Leukemia Mononuclear	
		Regeneration	Focal, Marked
Note: LEUKEMIA MONUC TGLs = 5,6-3.1			
Note: REGENERATION TGLs = 7-3.1			
Lung		Hyperplasia	Lymphoid, Mild
		Infiltration Cellular	Histiocyte, Mild
Mesentery	Fat	Necrosis	Moderate
Note: NECROSIS TGLs = 3-13			
Preputial Gland		Atrophy	Moderate
		Ectasia	Moderate
Note: ECTASIA TGLs = 2-			
Skin		Basal Cell Adenoma	Multiple
		Basal Cell Carcinoma	Multiple
		Granuloma	Focal, Marked

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 240	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 562
	DOSE: 170 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

		Squamous Cell Carcinoma	Multiple
Note: BASAL CEL CARC TGLs = 11,12-14.3,14.4			
Note: SQUAM CEL CARC TGLs = 1,13-10.1,14.5			
Note: BASAL CEL ADEN TGLs = 9,10,14-14.1,14.2,14.6			
Note: GRANULOMA TGLs = 8-14			
Spleen		Hematopoietic Cell Proliferation	Moderate
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-3]			
Testes	Bilateral, Interstit Cell	Adenoma	
Note: ADENOMA TGLs = 15-8,8.1			
Zymbal's Gland		Ectasia	Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 241	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 417
	DOSE: 170 PPM	**DISP:** Dead	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone Marrow	Brain	Epididymis
Esophagus	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Islets, Pancreatic	Kidney	Lymph Node - Mandibular
Lymph Node - Mesenteric	Mammary Gland	Nose	Pancreas
Parathyroid Gland	Pituitary Gland	Prostate	Salivary Glands
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

MISSING

Seminal Vesicle

AUTO PRECLUDES DIAG.

Intestine Small - Ileum

OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Benign	
Heart		Cardiomyopathy	Chronic, Mild
Intestine Small	Jejunum	Adenocarcinoma	Cystic, Mucinous
Note: ADENOCARC TGLs = 8-6.1			
Liver		Basophilic Focus	Minimal
	Centrilobular	Necrosis	Diffuse, Moderate
Lung		Hyperplasia	Lymphoid, Mild
Note: HYPERPLASIA TGLs = 5-4,4.1			
Lymph Node	Mediastinal	Congestion	Moderate
Note: CONGESTION TGLs = 6-9			
Preputial Gland		Ectasia	Moderate
Note: ECTASIA TGLs = 2-8.2			
Skin		Basal Cell Carcinoma	
Note: BASAL CEL CARC TGLs = 1-10.1			
Spleen		Hematopoietic Cell Proliferation	Marked
Note: HEMA CELL PROL TGLs = 7-3			
Testes	Bilateral, Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 241	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 417
	DOSE: 170 PPM	**DISP:** Dead	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

Note: ADENOMA	TGLs = 10-8.1		
Zymbal's Gland		Ectasia	Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 242	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 560
	DOSE: 170 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - 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
Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland	Nose
Parathyroid Gland	Pituitary Gland	Prostate	Salivary Glands
Seminal Vesicle	Stomach - Forestomach	Stomach - Glandular	Thyroid Gland
Trachea	Urinary Bladder	Zymbal's Gland	

MISSING

Thymus

OBSERVATIONS

Adrenal Gland	Bilateral, Medulla	Pheochromocytoma Benign	
Heart	Atrium	Thrombosis	
Note: THROMBUS TGLs = 9-3			
Kidney		Nephropathy	Chronic, Moderate
Liver		Basophilic Focus	Minimal
		Degeneration	Cystic, Minimal
		Eosinophilic Focus	Moderate
		Hematopoietic Cell Proliferation	Mild
Note: [HEMA CELL PROL] TGLs = 8-3.1			
Lung		Hyperplasia	Lymphoid, Mild
		Infiltration Cellular	Histiocyte, Minimal
Pancreas		Atrophy	Mild
Preputial Gland		Inflammation	Acute, Moderate
Skin		Basal Cell Adenoma	Multiple
Note: BASAL CEL ADEN TGLs = 1,2,3,4-10.1,13,13.1,13.2			
Spleen		Hematopoietic Cell Proliferation	Moderate
Testes	Bilateral, Interstit Cell	Adenoma	
Note: ADENOMA TGLs = 5,6-8,8.1			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 243	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 472
	DOSE: 170 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone Marrow	Brain
Esophagus	Harderian Gland	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Lymph Node - Mandibular	Mammary Gland	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Prostate
Salivary Glands	Skin	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder

MISSING

Seminal Vesicle

OBSERVATIONS

Epididymis	Bilateral	Mesothelioma Malignant	Metastatic (Testes)
Heart		Cardiomyopathy	Chronic, Mild
Kidney		Nephropathy	Chronic, Minimal
Liver		Basophilic Focus	Mild
		Eosinophilic Focus	Minimal
		Hematopoietic Cell Proliferation	Minimal
		Necrosis	Focal, Minimal
Lung		Hyperplasia	Lymphoid, Mild
Lymph Node	Mesenteric	Hyperplasia	Reticulum Cell, Moderate
Preputial Gland		Carcinoma	
Note: CARCINOMA TGLs = 2-8.3			
Spleen		Hematopoietic Cell Proliferation	Moderate
Testes	Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Mild
	Bilateral	Mesothelioma Malignant	
Note: ADENOMA TGLs = 3-8			
Zymbal's Gland		Adenoma	
		Ectasia	Mild
Note: ADENOMA TGLs = 6-10			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 243	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 472
	DOSE: 170 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 244	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 561
	DOSE: 170 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Brain	Epididymis	Esophagus
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lymph Node - Mandibular
Lymph Node - Mesenteric	Mammary Gland	Nose	Pancreas
Parathyroid Gland	Pituitary Gland	Prostate	Salivary Glands
Seminal Vesicle	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Multifocal, Minimal
Bone Marrow		Hyperplasia	Moderate
Heart	Atrium	Thrombosis	
Note: THROMBUS TGLs = 7-3			
Kidney		Nephropathy	Chronic, Minimal
Liver		Basophilic Focus	Moderate
		Eosinophilic Focus	Moderate
		Hematopoietic Cell Proliferation	Mild
		Neoplastic Nodule	
Lung		Alveolar/Bronchiolar Adenoma	
		Hyperplasia	Lymphoid, Mild
Note: ALV BRON ADEN TGLs = 8-14			
Mesentery	Fat	Necrosis	Moderate
Note: NECROSIS TGLs = 4-13			
Preputial Gland		Carcinoma	
Note: CARCINOMA TGLs = 5-8.2			
Skin		Basal Cell Adenoma	Multiple
		Basal Cell Carcinoma	
		Squamous Cell Carcinoma	Multiple
Note: SQUAM CEL CARC TGLs = 11,12,16-14.2,14.3,14.7			
Note: BASAL CEL CARC TGLs = 18-14.9			
Note: BASAL CEL ADEN TGLs = 14.4,14.5,14.6,14.8			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 244	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 561
	DOSE: 170 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

Note: BASAL CEL ADEN TGLs = 1,9,10,13,14,15,17-10.1,14,14.1			
Spleen		Hematopoietic Cell Proliferation	Moderate
Testes	Bilateral, Interstit Cell	Adenoma	
Note: ADENOMA TGLs = 3-8,8.1			
Zymbal's Gland		Ectasia	Moderate
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 245	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 594
	DOSE: 170 PPM	**DISP:** Dead	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone Marrow	Brain	Epididymis
Esophagus	Intestine Large - Cecum	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Kidney
Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Prostate
Salivary Glands	Seminal Vesicle	Stomach - Forestomach	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Multifocal, Mild
	Medulla	Pheochromocytoma Benign	
Heart	Atrium	Thrombosis	
Note: THROMBUS TGLs = 11-3			
Intestine Large	Colon, Descend Colon	Polyp Adenomatous	
Note: POLYP ADENOMAT TGLs = 13-7.1			
Liver		Basophilic Focus	Minimal
	Centrilobular	Degeneration	Diffuse, Moderate
		Degeneration	Cystic, Minimal
		Fatty Change	Moderate
		Hematopoietic Cell Proliferation	Mild
	Bile Duct	Hyperplasia	Mild
		Necrosis	Multifocal, Moderate
		Regeneration	Diffuse, Moderate
		Thrombosis	
Note: DEGEN TGLs = 9,10-3.1			
Note: THROMBUS TGLs = 15-3.2			
Lung		Congestion	Moderate
	Alveolar Epith	Hyperplasia	Multifocal, Mild
		Infiltration Cellular	Histiocyte, Moderate
Note: CONGESTION TGLs = 12-4,4.1			
Preputial Gland		Adenoma	

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 245	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 594
	DOSE: 170 PPM	**DISP:** Dead	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

Note: ADENOMA TGLs = 5-8.2			
Skin		Basal Cell Adenoma	Multiple
Note: BASAL CEL ADEN TGLs = 2,3,4-14,15,16			
Spleen		Hematopoietic Cell Proliferation	Moderate
Stomach	Glandular	Erosion	Focal, Mild
Note: EROSION TGLs = 14-6			
Testes	Bilateral, Interstit Cell	Adenoma	
Note: ADENOMA TGLs = 6,7-8,8.1			
Zymbal's Gland		Carcinoma	
Note: CARCINOMA TGLs = 16-10,12.1			
Note: OPPOSING GLD. MISSING..			
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 246	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 339
	DOSE: 170 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - 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
Lymph Node - Mandibular	Mammary Gland	Nose	Pancreas
Parathyroid Gland	Pituitary Gland	Preputial Gland	Prostate
Salivary Glands	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

MISSING

Seminal Vesicle

OBSERVATIONS

Epididymis	Bilateral	Mesothelioma Malignant	Metastatic (Testes)
Note: MESOTHELIO MAL TGLs = 2-8,8.1			
Heart		Cardiomyopathy	Chronic, Mild
Kidney		Nephropathy	Chronic, Mild
Liver		Clear Cell Focus	Mild
		Hematopoietic Cell Proliferation	Minimal
Lung		Hyperplasia	Lymphoid, Mild
Lymph Node	Mesenteric	Hyperplasia	Reticulum Cell, Minimal
Testes	Bilateral	Mesothelioma Malignant	
Note: MESOTHELIO MAL TGLs = 1-8,8.1			
Tissue NOS		Mesothelioma Malignant	Metastatic (Testes)
Note: TISS NOS IS PERITONEUM OF SCROTAL SAC..			
Note: MESOTHELIO MAL TGLs = 2-13			
Zymbal's Gland		Carcinoma	
		Ectasia	Minimal
Note: CARCINOMA TGLs = 3-10.1			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 247	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 541
	DOSE: 170 PPM	**DISP:** Dead	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone Marrow	Brain	Esophagus
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Ileum
Islets, Pancreatic	Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland
Nose	Pancreas	Parathyroid Gland	Preputial Gland
Salivary Glands	Thymus	Thyroid Gland	Trachea

MISSING

Pituitary Gland

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Focal, Mild
	Capsule	Mesothelioma Malignant	Metastatic (Testes)
Epididymis	Bilateral	Mesothelioma Malignant	Metastatic (Testes)
Heart	Atrium	Thrombosis	
Note: THROMBUS TGLs = 7-3			
Intestine Small	Jejunum	Adenocarcinoma	Cystic, Mucinous
	Duodenum, Jejunum	Mesothelioma Malignant	Metastatic (Testes)
Note: ADENOCARC TGLs = 17-6.1			
Kidney		Mesothelioma Malignant	Metastatic (Testes)
	Renal Tubule	Pigmentation	Moderate
Note: PIGMENT TGLs = 12-5			
Liver		Basophilic Focus	Minimal
		Eosinophilic Focus	Mild
		Hematopoietic Cell Proliferation	Mild
Note: EOSIN FOCUS TGLs = 10-3.1			
Lung	Alveolar Epith	Hyperplasia	Focal, Moderate
		Hyperplasia	Lymphoid, Mild
Lymph Node	Mediastinal	Pigmentation	Marked
Note: PIGMENT TGLs = 9-9			
Mesentery		Mesothelioma Malignant	Metastatic (Testes), Multiple (Testes)
Note: MESOTHELIO MAL TGLs = 4,6,16,19,18-6,7,13,14,15			
Note: META. LESIONS OCCUR THROUGHOUT THE CELOM..			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 247	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 541
	DOSE: 170 PPM	**DISP:** Dead	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

Prostate		Mesothelioma Malignant	Metastatic (Testes)
Seminal Vesicle		Mesothelioma Malignant	Metastatic (Testes)
Skin		Basal Cell Adenoma	Multiple
Note: BASAL CEL ADEN TGLs = 13,14-10.1,10.2			
Spleen		Hematopoietic Cell Proliferation	Mild
		Mesothelioma Malignant	Metastatic (Testes)
Stomach	Forestomach, Glandular	Mesothelioma Malignant	Metastatic (Testes)
Testes	Bilateral, Interstit Cell	Adenoma	
	Bilateral	Mesothelioma Malignant	
[Adenoma TGLS = 2,3-8,8.1]			
Urinary Bladder		Mesothelioma Malignant	Metastatic (Testes)
Zymbal's Gland		Ectasia	Mild
		Hyperplasia	Squamous, Focal, Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 248	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 391
	DOSE: 170 PPM	**DISP:** Dead	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Esophagus	Intestine Large - Colon
Intestine Large - Rectum	Islets, Pancreatic	Kidney	Lymph Node - Mandibular
Mammary Gland	Nose	Pancreas	Parathyroid Gland
Preputial Gland	Salivary Glands	Thyroid Gland	Trachea
Urinary Bladder			

MISSING

Seminal Vesicle

AUTO PRECLUDES DIAG.

Intestine Large - Cecum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Lymph Node - Mesenteric	Stomach - Forestomach	Stomach - Glandular	

OBSERVATIONS

Bone Marrow		Hypoplasia	Mild
Brain	Cerebrum	Hemorrhage	Mild
Note: HEMORRHAGE TGLs = 7-1			
Epididymis		Atypia Cellular	Moderate
Heart		Cardiomyopathy	Chronic, Mild
Liver		Basophilic Focus	Mild
	Periportal	Fibrosis	Marked
	Bile Duct	Hyperplasia	Marked
	Centrilobular	Necrosis	Marked
		Regeneration	Diffuse, Marked
Note: NECROSIS TGLs = 3-3.1			
Note: HYPERPLASIA TGLs = 2-3.1			
Note: REGENERATION TGLs = 3-3.1			
Lung		Hemorrhage	Minimal
		Infiltration Cellular	Histiocyte, Mild
Note: INFILTRAT CELL TGLs = 9-4			
Note: HEMORRHAGE TGLs = 10-4			
Pituitary Gland	Pars Distalis	Congestion	Mild
Note: CONGESTION TGLs = 11-2			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 248	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 391
	DOSE: 170 PPM	**DISP:** Dead	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

Prostate	Inflammation	Acute, Mild
Skin	Keratoacanthoma	
Note: [KERATOACANTHMA] TGLs = 5-10.1		
Spleen	Necrosis	Moderate
Testes	Atrophy	Mild
Thymus	Atrophy	Mild
	Edema	Marked
Note: EDEMA TGLs = 1-9		
Zymbal's Gland	Adenoma	
	Ectasia	Minimal
Note: ADENOMA TGLs = 12-10		

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 249	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 476
	DOSE: 170 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	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	Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland
Nose	Pancreas	Parathyroid Gland	Pituitary Gland
Salivary Glands	Skin	Spleen	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	

MISSING

Seminal Vesicle

OBSERVATIONS

Heart		Cardiomyopathy	Chronic, Mild
Kidney		Nephropathy	Chronic, Moderate
Note: NEPHROPATHY TGLs = 2-5			
Liver		Degeneration	Cystic, Minimal
Lung		Hyperplasia	Lymphoid, Mild
Mesentery	Fat	Necrosis	Moderate
Note: NECROSIS TGLs = 1-13			
Preputial Gland		Ectasia	Mild
Note: ECTASIA TGLs = 7-8.2			
Prostate		Inflammation	Chronic Active, Marked
Stomach	Forestomach	Acanthosis	Mild
Testes	Interstit Cell	Adenoma	
Urinary Bladder		Necrosis	Focal, Moderate
Zymbal's Gland	Bilateral	Carcinoma	
Note: CARCINOMA TGLs = 5,6-10			
Note: [CARCINOMA] TGLs = 4-10.1			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 250	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 641
	DOSE: 170 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Brain		Astrocytoma Malignant	
Eye		Cataract	Moderate
	Retina	Degeneration	Marked
Note: CATARACT TGLs = 12-14			
Kidney		Nephropathy	Chronic, Marked
Note: NEPHROPATHY TGLs = 5,6-5			
Liver		Clear Cell Focus	Mild
		Degeneration	Cystic, Mild
		Leukemia Mononuclear	
		Regeneration	Multifocal, Moderate
Note: LEUKEMIA MONUC TGLs = 7-3.1			
Lung		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 9-4,4.1			
Preputial Gland		Adenoma	
		Ectasia	Marked
Note: ADENOMA TGLs = 3-8.2			
Note: ECTASIA TGLs = 4-8.2			
Skin		Basal Cell Adenoma	Multiple
		Squamous Cell Carcinoma	
Note: [BASAL CEL ADEN] TGLs = 13,17,18,20-15,19,20,21			
Note: BASAL CEL ADEN TGLs = 11,14,15,16-13,16,17,18			
Spleen		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 250	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 641
	DOSE: 170 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

Testes	Bilateral, Interstit Cell	Adenoma	
Note: ADENOMA TGLs = 2-8,8.1			
Thyroid Gland	C Cell	Carcinoma	
[Carcinoma TGLS = 10-2]			
Zymbal's Gland		Carcinoma	
		Ectasia	Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 251	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 539
	DOSE: 170 PPM	**DISP:** Dead	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone Marrow	Brain	Epididymis
Esophagus	Intestine Large - Cecum	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lymph Node - Mandibular
Lymph Node - Mesenteric	Mammary Gland	Nose	Pancreas
Parathyroid Gland	Pituitary Gland	Salivary Glands	Spleen
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea			

OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Benign	
Heart		Cardiomyopathy	Chronic, Mild
Intestine Large	Colon, Descend Colon	Adenocarcinoma	
Note: [ADENOCARC] TGLs = 15-7			
Kidney		Hydronephrosis	Moderate
		Nephropathy	Chronic, Moderate
Note: HYDRONEPHROSIS TGLs = 9-5			
Liver		Basophilic Focus	Moderate
		Hematopoietic Cell Proliferation	Minimal
Note: BASOPH FOCUS TGLs = 10-3.1			
Lung	Alveolar Epith	Hyperplasia	Focal, Minimal
		Hyperplasia	Lymphoid, Mild
Mesentery	Fat	Necrosis	Moderate
Note: NECROSIS TGLs = 4-13			
Preputial Gland		Adenoma	
		Ectasia	Moderate
Note: ADENOMA TGLs = 2-8.2			
Note: ECTASIA TGLs = 1-8.1			
Prostate		Inflammation	Chronic Active, Marked
Seminal Vesicle		Inflammation	Chronic Active, Marked
Skin		Basal Cell Adenoma	Multiple
		Squamous Cell Carcinoma	

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 251	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 539
	DOSE: 170 PPM	**DISP:** Dead	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

Note: SQUAM CEL CARC TGLs = 13-10.3			
Note: BASAL CEL ADEN TGLs = 11,12,14-10.1,10.2,10.4			
Testes	Bilateral, Interstit Cell	Adenoma	
Urinary Bladder	Mucosa	Hyperplasia	Marked
		Inflammation	Acute, Marked
		Necrosis	Diffuse, Marked
Note: NECROSIS TGLs = 5-8.2			
Note: INFLAMMATION TGLs = 6-8.2			
Zymbal's Gland		Ectasia	Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 252	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 555
	DOSE: 170 PPM	**DISP:** Dead	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Thymus

OBSERVATIONS

Heart		Cardiomyopathy	Chronic, Moderate
Liver		Leukemia Mononuclear	
Lung		Alveolar/Bronchiolar Adenoma	
		Hyperplasia	Lymphoid, Mild
Note: ALV BRON ADEN TGLs = 7-4			
Preputial Gland		Adenoma	
Note: ADENOMA TGLs = 1-8.4			
Skin		Basal Cell Adenoma	Multiple
Note: BASAL CEL ADEN TGLs = 3,4-13,13.1			
Spleen		Leukemia Mononuclear	
Note: POORLY PRESERVED..			
Testes	Bilateral, Interstit Cell	Adenoma	
Note: ADENOMA TGLs = 5,6-8,8.1			
Zymbal's Gland		Ectasia	Moderate

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 253	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 616
	DOSE: 170 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Brain	Epididymis	Esophagus	Heart
Intestine Large - Cecum	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Lymph Node - Mandibular	Lymph Node - Mesenteric
Mammary Gland	Pancreas	Parathyroid Gland	Pituitary Gland
Salivary Glands	Seminal Vesicle	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder
Zymbal's Gland			

OBSERVATIONS

Adrenal Gland	Cortex	Atrophy	Marked
	Medulla	Atrophy	Marked
	Cortex	Pigmentation	Marked
	Medulla	Pigmentation	Marked
Note: ATROPHY TGLs = 6-2			
Bone Marrow		Hyperplasia	Moderate
Intestine Large	Colon, Descend Colon	Polyp Adenomatous	
Note: POLYP ADENOMAT TGLs = 8-7.1			
Kidney		Nephropathy	Chronic, Mild
Liver		Basophilic Focus	Minimal
		Degeneration	Cystic, Mild
		Eosinophilic Focus	Minimal
		Hematopoietic Cell Proliferation	Minimal
Lung		Hyperplasia	Lymphoid, Mild
Mesentery	Fat	Necrosis	Moderate
Note: NECROSIS TGLs = 5-13			
Nose		Fungus	Moderate
		Hyperkeratosis	Moderate
		Inflammation	Acute, Mild
Preputial Gland		Adenoma	
Note: ADENOMA TGLs = 2-8.2			
Prostate		Hyperplasia	Glandular, Multifocal, Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 253	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 616
	DOSE: 170 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

Skin		Basal Cell Adenoma	Multiple
	Subcut Tiss	Edema	Moderate
		Squamous Cell Carcinoma	
		Squamous Cell Papilloma	
Note: SQUAM CEL CARC TGLs = 17-21			
Note: EDEMA TGLs = 1-10			
Note: BASAL CEL ADEN TGLs = 12,13,14,15-16,17,18,19			
Note: BASAL CEL ADEN TGLs = 16,18-20,22			
Note: SQ CL PAPILLOM TGLs = 11-15			
Spleen		Hematopoietic Cell Proliferation	Moderate
Testes	Bilateral, Interstit Cell	Adenoma	
Note: ADENOMA TGLs = 4-8			
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 254	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 420
	DOSE: 170 PPM	**DISP:** Dead	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Seminal Vesicle

OBSERVATIONS

Heart		Cardiomyopathy	Chronic, Mild
Lung		Hyperplasia	Lymphoid, Mild
Mesentery		Schwannoma Malignant	
Note: [SCHWANNOMA MAL] TGLs = 3-5.1			
Note: DESCRIBED AS RENAL LNN.			
Prostate		Inflammation	Chronic, Mild
Skeletal Muscle	Abdominal	Schwannoma Malignant	Metastatic (Mesentery)
Note: ABD.MM. IS LUMBAR..			
Spleen		Atrophy	Moderate
Testes		Degeneration	Moderate
Note: DEGEN TGLs = 1-8.1			
Urinary Bladder		Hemorrhage	Marked
		Inflammation	Acute, Marked
		Necrosis	Diffuse, Marked
Note: HEMORRHAGE TGLs = 2-8.2			
Zymbal's Gland		Ectasia	Minimal

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 255	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 536
	DOSE: 170 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Benign	
Note: PHEOCHROM BGN TGLs = 2-2			
Brain	Cerebellum, Cerebrum	Astrocytoma Malignant	
Note: ASTROCYTO MAL TGLs = 5-1			
Heart		Cardiomyopathy	Chronic, Mild
Kidney		Nephropathy	Chronic, Mild
Liver		Basophilic Focus	Minimal
		Degeneration	Cystic, Minimal
		Eosinophilic Focus	Mild
		Hematopoietic Cell Proliferation	Mild
Note: EOSIN FOCUS TGLs = 6,7-3.1			
Preputial Gland		Ectasia	Moderate
		Inflammation	Acute, Marked
Note: ECTASIA TGLs = 8-8.2			
Skin	Sebaceous Gl	Adenoma	
Note: ADENOMA TGLs = 3-10.1			
Testes	Bilateral, Interstit Cell	Adenoma	
Note: ADENOMA TGLs = 1,4-8,8.1			
Zymbal's Gland		Ectasia	Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 256	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 483
	DOSE: 170 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - 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
Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland	Parathyroid Gland
Pituitary Gland	Prostate	Salivary Glands	Seminal Vesicle
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder
Zymbal's Gland			

OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Benign	
Heart		Cardiomyopathy	Chronic, Mild
Kidney		Nephropathy	Chronic, Mild
Liver		Basophilic Focus	Minimal
		Clear Cell Focus	Mild
		Eosinophilic Focus	Mild
Lung		Hyperplasia	Lymphoid, Moderate
Nose		Fungus	Moderate
		Inflammation	Chronic, Mild
Pancreas		Atrophy	Minimal
Preputial Gland		Carcinoma	
		Ectasia	Moderate
Note: CARCINOMA TGLs = 1-8.4			
Testes	Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Mild
Note: ADENOMA TGLs = 2-8			
Note: HYPERPLASIA TGLs = 3-8.1			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 257	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 616
	DOSE: 170 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Brain	Epididymis	Esophagus
Intestine Large - Cecum	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Lymph Node - Mandibular	Lymph Node - Mesenteric
Mammary Gland	Nose	Parathyroid Gland	Pituitary Gland
Prostate	Salivary Glands	Seminal Vesicle	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Benign	
	Medulla	Pheochromocytoma Malignant	
[Pheochromocytoma Benign TGLS = 4-2]			
Bone Marrow		Hyperplasia	Moderate
Heart		Cardiomyopathy	Chronic, Mild
	Atrium	Thrombosis	
Intestine Large	Colon	Adenocarcinoma	
Note: [ADENOCARC] TGLs = 6-7.1			
Kidney		Nephropathy	Chronic, Moderate
Liver		Degeneration	Cystic, Minimal
		Hematopoietic Cell Proliferation	Minimal
		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 5-3.1			
Lung		Infiltration Cellular	Histiocyte, Mild
		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 8-4,4.1			
Pancreas		Atrophy	Mild
Preputial Gland		Ectasia	Moderate
Note: ECTASIA TGLs = 1-8.2			
Skin		Basal Cell Adenoma	Multiple
		Squamous Cell Carcinoma	
		Squamous Cell Papilloma	

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 257	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 616
	DOSE: 170 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

Note: BASAL CEL ADEN TGLs = 10,11,12,13-14,15,16,17			
Note: BASAL CEL ADEN TGLs = 14,15,16-18,19,20			
Note: SQ CL PAPILLOM TGLs = 9-13			
Note: SQUAM CEL CARC TGLs = 17-21			
Spleen		Leukemia Mononuclear	
Testes	Bilateral, Interstit Cell	Adenoma	
Note: ADENOMA TGLs = 2-8,8.1			
Zymbal's Gland		Ectasia	Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 258	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 561
	DOSE: 170 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Brain	Epididymis	Esophagus
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lymph Node - Mandibular
Lymph Node - Mesenteric	Mammary Gland	Nose	Pancreas
Parathyroid Gland	Pituitary Gland	Prostate	Salivary Glands
Seminal Vesicle	Stomach - Forestomach	Stomach - Glandular	Thymus
Trachea	Urinary Bladder	Zymbal's Gland	

OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Benign	
Bone Marrow		Hyperplasia	Moderate
Heart		Cardiomyopathy	Chronic, Mild
	Atrium	Thrombosis	
Note: THROMBUS TGLs = 14-3			
Kidney		Nephropathy	Chronic, Moderate
Liver		Basophilic Focus	Mild
		Degeneration	Cystic, Focal, Moderate
		Eosinophilic Focus	Moderate
		Hematopoietic Cell Proliferation	Moderate
Note: DEGEN TGLs = 11-3.1			
Lung		Hyperplasia	Lymphoid, Moderate
Mesentery	Fat	Necrosis	Moderate
Note: NECROSIS TGLs = 6-15			
Preputial Gland		Carcinoma	
		Hyperplasia	Focal, Mild
Note: CARCINOMA TGLs = 3-8.2			
Skin		Basal Cell Carcinoma	
		Squamous Cell Carcinoma	Multiple
Note: [SQUAM CEL CARC] TGLs = 2-13,4-14			
Note: BASAL CEL CARC TGLs = 1-10.1			
Spleen		Hematopoietic Cell Proliferation	Moderate

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 258	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 561
	DOSE: 170 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

Testes	Bilateral, Interstit Cell	Adenoma	
Note: ADENOMA TGLs = 7,8-8,8.1			
Thyroid Gland	C Cell	Hyperplasia	Focal, Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 259	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 408
	DOSE: 170 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland	Preputial Gland	Seminal Vesicle

OBSERVATIONS

Heart		Cardiomyopathy	Chronic, Mild
Intestine Large	Rectum	Parasite Metazoan	
Kidney		Nephropathy	Chronic, Mild
Liver		Clear Cell Focus	Mild
Lung		Hyperplasia	Lymphoid, Mild
Nose		Fungus	Mild
	Mucosa	Hyperplasia	Mild
		Inflammation	Acute, Moderate
Pharynx	Palate	Squamous Cell Papilloma	
Note: SQ CL PAPILLOM TGLs = 4-13			
Spleen		Hematopoietic Cell Proliferation	Mild
Testes	Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Mild
Note: HYPERPLASIA TGLs = 1-8.1			
Note: ADENOMA TGLs = 5-8.2			
Zymbal's Gland		Carcinoma	
		Ectasia	Minimal
Note: CARCINOMA TGLs = 3-10.1			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 260	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 483
	DOSE: 170 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone Marrow	Brain
Esophagus	Intestine Large - Cecum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Lymph Node - Mandibular	Lymph Node - Mesenteric
Mammary Gland	Nose	Parathyroid Gland	Pituitary Gland
Prostate	Salivary Glands	Stomach - Forestomach	Stomach - Glandular
Thyroid Gland	Trachea	Urinary Bladder	

MISSING

Thymus

OBSERVATIONS

Epididymis	Bilateral	Mesothelioma Malignant	Metastatic (Testes)
Heart		Cardiomyopathy	Chronic, Minimal
Intestine Large	Colon	Parasite Metazoan	
	Rectum	Parasite Metazoan	
Kidney		Nephropathy	Chronic, Mild
Liver		Clear Cell Focus	Mild
	Centrilobular	Degeneration	Diffuse, Minimal
		Eosinophilic Focus	Mild
		Fatty Change	Minimal
		Hematopoietic Cell Proliferation	Mild
		Vacuolization Cytoplasmic	Multifocal, Mild
Note: VACUOLIZ CYTO TGLs = 10-3.1			
Lung		Hyperplasia	Lymphoid, Mild
Lymph Node	Mediastinal	Pigmentation	Moderate
Note: PIGMENT TGLs = 3-9,14			
Mesentery		Mesothelioma Malignant	Metastatic (Testes), Multiple (Testes)
Note: MESOTHELIO MAL TGLs = 7-13,7,6,15			
Pancreas		Mesothelioma Malignant	Metastatic (Testes)
Preputial Gland		Inflammation	Chronic Active, Mild
Note: INFLAMMATION TGLs = 1-8.2			
Seminal Vesicle		Mesothelioma Malignant	Metastatic (Testes)

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 260	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 483
	DOSE: 170 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

Skin	Sebaceous Gl	Adenoma	
Note: ADENOMA TGLs = 11-12.1,16			
Spleen		Hematopoietic Cell Proliferation	Moderate
		Mesothelioma Malignant	Metastatic (Testes)
Testes	Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Mild
	Bilateral	Mesothelioma Malignant	
Note: MESOTHELIO MAL TGLs = 4-8,8.1			
Note: SLIDE # 17 SHOWS INVASION OF SCROTAL PERITONEUM BY MESO..			
Note: ADENOMA TGLs = 5,6-8			
Zymbal's Gland		Adenoma	
		Ectasia	Moderate

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 261	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 562
	DOSE: 170 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Brain	Epididymis	Esophagus
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lymph Node - Mandibular
Lymph Node - Mesenteric	Mammary Gland	Nose	Parathyroid Gland
Pituitary Gland	Prostate	Salivary Glands	Seminal Vesicle
Stomach - Forestomach	Stomach - Glandular	Trachea	Urinary Bladder

MISSING

Thymus

OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Benign	
Bone Marrow		Hyperplasia	Moderate
Heart		Cardiomyopathy	Chronic, Mild
	Atrium	Thrombosis	
Note: THROMBUS TGLs = 8-3			
Kidney		Nephropathy	Chronic, Mild
Liver		Basophilic Focus	Mild
		Degeneration	Cystic, Mild
		Ectasia	Multifocal, Mild
		Eosinophilic Focus	Moderate
		Hematopoietic Cell Proliferation	Minimal
		Vacuolization Cytoplasmic	Multifocal, Mild
Note: VACUOLIZ CYTO TGLs = 6,7-3.1			
Note: ECTASIA TGLs = 5-3.1			
Lung	Alveolar Epith	Hyperplasia	Focal, Mild
		Hyperplasia	Lymphoid, Mild
Note: HYPERPLASIA TGLs = 15-4			
Pancreas		Atrophy	Mild
Pharynx	Palate	Squamous Cell Papilloma	
Note: SQ CL PAPILLOM TGLs = 9-13			
Preputial Gland		Carcinoma	

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 261	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 562
	DOSE: 170 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

Note: CARCINOMA TGLs = 4-8.2			
Skin		Basal Cell Adenoma	Multiple
	Subcut Tiss	Fibroma	
		Squamous Cell Carcinoma	
Note: SQUAM CEL CARC TGLs = 1-10.1			
Note: FIBROMA TGLs = 13-14.3			
Note: BASAL CEL ADEN TGLs = 10,11,12,14-14,14.1,14.2,14.4			
Spleen		Hematopoietic Cell Proliferation	Moderate
Testes	Bilateral, Interstit Cell	Adenoma	
Note: ADENOMA TGLs = 2-8,8.1			
Thyroid Gland	C Cell	Adenoma	
Zymbal's Gland		Ectasia	Moderate
		Hyperplasia	Squamous, Focal, Moderate
Note: HYPERPLASIA TGLs = 16-10			
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 262	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 424
	DOSE: 170 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Seminal Vesicle

OBSERVATIONS

Heart		Cardiomyopathy	Chronic, Mild
Kidney		Nephropathy	Chronic, Minimal
Liver		Basophilic Focus	Moderate
		Eosinophilic Focus	Mild
		Hematopoietic Cell Proliferation	Minimal
		Necrosis	Coagulative, Moderate
Note: FOCI ARE LARGE..			
Note: NECROSIS TGLs = 3-3.1			
Lung		Hyperplasia	Lymphoid, Mild
Preputial Gland		Ectasia	Moderate
Note: ECTASIA TGLs = 2-8.2			
Skin		Basal Cell Carcinoma	
		Squamous Cell Carcinoma	
Note: SQUAM CEL CARC TGLs = 6-10.1			
Note: BASAL CEL CARC TGLs = 5-10.2			
Spleen		Hematopoietic Cell Proliferation	Marked
[Hematopoietic Cell Proliferation TGLS = 7-3]			
Testes	Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Mild
Zymbal's Gland		Ectasia	Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 262	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 424
	DOSE: 170 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH	-

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 263	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 546
	DOSE: 170 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Thymus

OBSERVATIONS

Heart		Cardiomyopathy	Chronic, Mild
Intestine Large	Colon, Descend Colon	Polyp Adenomatous	
Note: POLYP ADENOMAT TGLs = 4-7			
Kidney		Nephropathy	Chronic, Minimal
Liver		Basophilic Focus	Moderate
Lung	Alveolar Epith	Hyperplasia	Focal, Minimal
Skin		Basal Cell Adenoma	Multiple
		Basal Cell Carcinoma	
		Squamous Cell Papilloma	
Note: SQ CL PAPILLOM TGLs = 9-10.3			
Note: BASAL CEL ADEN TGLs = 7,8-10.1,10.2			
Note: BASAL CEL CARC TGLs = 10-10.4			
Stomach	Glandular	Erosion	Multifocal, Mild
Note: EROSION TGLs = 12-6			
Testes	Bilateral, Interstit Cell	Adenoma	
Note: ADENOMA TGLs = 1,2-8,8.1			
Zymbal's Gland		Carcinoma	
		Ectasia	Mild
Note: CARCINOMA TGLs = 11-10.5			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 263	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 546
	DOSE: 170 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 264	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 467
	DOSE: 170 PPM	**DISP:** Dead	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone Marrow	Brain
Epididymis	Esophagus	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Islets, Pancreatic	Kidney	Lung
Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Preputial Gland
Prostate	Salivary Glands	Skin	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Trachea

MISSING

Seminal Vesicle

AUTO PRECLUDES DIAG.

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

OBSERVATIONS

Heart		Cardiomyopathy	Chronic, Mild
Liver		Degeneration	Cystic, Minimal
Spleen		Atrophy	Moderate
		Pigmentation	Hemosiderin, Moderate
Testes	Interstit Cell	Adenoma	
Urinary Bladder	Serosa	Cyst	Moderate
Note: CYST TGLs = 1-8.2			
Zymbal's Gland		Carcinoma	
		Ectasia	Minimal
Note: CARCINOMA TGLs = 3-10.1			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 265	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 578
	DOSE: 170 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Focal, Minimal
Brain	Cerebrum	Astrocytoma Malignant	
[Astrocytoma Malignant TGLS = 9-1]			
Heart		Cardiomyopathy	Chronic, Minimal
	Atrium	Thrombosis	
Note: THROMBUS TGLs = 7-3			
Kidney		Nephropathy	Chronic, Minimal
Liver		Basophilic Focus	Mild
		Clear Cell Focus	Mild
		Degeneration	Cystic, Multifocal, Mild
		Hematopoietic Cell Proliferation	Minimal
	Centrilobular	Necrosis	Minimal
		Regeneration	Diffuse, Moderate
Note: DEGEN TGLs = 5,6-3.1			
Lung		Hyperplasia	Lymphoid, Mild
Mesentery	Fat	Necrosis	Moderate
Note: NECROSIS TGLs = 13-15			
Preputial Gland		Atrophy	Moderate
		Ectasia	Marked
		Hyperplasia	Squamous, Focal, Minimal
Note: ECTASIA TGLs = 2-8.2			
Skin		Basal Cell Adenoma	

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 265	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 578
	DOSE: 170 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

	Dermis	Fibrosis	Focal, Moderate
		Squamous Cell Carcinoma	Multiple
Note: FIBROSIS TGLs = 11-13.2			
Note: SQUAM CEL CARC TGLs = 1,12-13,13.3			
Note: BASAL CEL ADEN TGLs = 10-13.1			
Spleen		Hematopoietic Cell Proliferation	Marked
Stomach	Glandular	Erosion	Focal, Minimal
Testes	Bilateral, Interstit Cell	Adenoma	
Note: ADENOMA TGLs = 3-8,8.1			
Zymbal's Gland		Ectasia	Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 266	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 485
	DOSE: 170 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Heart		Cardiomyopathy	Chronic, Minimal
Intestine Small	Duodenum	Adenocarcinoma	Cystic, Mucinous
Note: ADENOCARC TGLs = 1-6.1			
Kidney		Nephropathy	Chronic, Mild
Liver		Basophilic Focus	Mild
		Neoplastic Nodule	
Lung		Hyperplasia	Lymphoid, Mild
Lymph Node	Mesenteric	Hyperplasia	Lymphoid, Moderate
Preputial Gland		Ectasia	Mild
		Inflammation	Chronic Active, Mild
Prostate		Inflammation	Chronic Active, Mild
Skin		Basal Cell Adenoma	
Note: BASAL CEL ADEN TGLs = 2-14			
Spleen		Hematopoietic Cell Proliferation	Mild
Testes	Bilateral, Interstit Cell	Adenoma	
Zymbal's Gland		Ectasia	Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 267	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 553
	DOSE: 170 PPM	**DISP:** Dead	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone Marrow	Brain
Epididymis	Esophagus	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Islets, Pancreatic	Kidney	Lymph Node - Mandibular
Lymph Node - Mesenteric	Mammary Gland	Nose	Pancreas
Parathyroid Gland	Pituitary Gland	Salivary Glands	Seminal Vesicle
Stomach - Forestomach	Stomach - Glandular	Thyroid Gland	Trachea
Urinary Bladder			

MISSING

Thymus

AUTO PRECLUDES DIAG.

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

OBSERVATIONS

Heart		Cardiomyopathy	Chronic, Mild
		Fibrous Histiocytoma	Metastatic (Skin)
Note: [FIB HISTIOCYT] TGLs = 7-3			
Liver		Basophilic Focus	Mild
	Centrilobular	Degeneration	Diffuse, Moderate
		Hematopoietic Cell Proliferation	Minimal
		Regeneration	Focal, Mild
Note: DEGEN TGLs = 3-3.1			
Lung		Fibrous Histiocytoma	Metastatic (Skin)
Note: [FIB HISTIOCYT] TGLs = 5,6,8-4,4.1,9			
Lymph Node	Mediastinal	Fibrous Histiocytoma	Metastatic (Skin)
Note: [FIB HISTIOCYT] TGLs = 9-13			
Preputial Gland		Atrophy	Moderate
		Inflammation	Chronic, Moderate
Prostate		Inflammation	Chronic Active, Moderate
Skeletal Muscle	Thoracic	Fibrous Histiocytoma	Metastatic (Skin)
Note: [FIB HISTIOCYT] TGLs = 12-14.1			
Skin		Basal Cell Adenoma	Multiple

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 267	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 553
	DOSE: 170 PPM	**DISP:** Dead	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

	Subcut Tiss	Fibrous Histiocytoma	
		Squamous Cell Carcinoma	
Note: [FIB HISTIOCYT] TGLs = 14-14.3			
Note: BASAL CEL ADEN TGLs = 13,15-14.2,14.4			
Note: SQUAM CEL CARC TGLs = 11-14			
Spleen		Hematopoietic Cell Proliferation	Marked
Note: HEMA CELL PROL TGLs = 16-3			
Testes	Bilateral, Interstit Cell	Adenoma	
	Bilateral	Mesothelioma Malignant	
Note: ADENOMA TGLs = 1-8			
Zymbal's Gland		Ectasia	Marked
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 268	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 546
	DOSE: 170 PPM	**DISP:** Dead	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Brain	Epididymis
Esophagus	Islets, Pancreatic	Lymph Node - Mandibular	Lymph Node - Mesenteric
Mammary Gland	Nose	Pancreas	Parathyroid Gland
Pituitary Gland	Prostate	Salivary Glands	Seminal Vesicle
Stomach - Forestomach	Thyroid Gland	Trachea	Urinary Bladder

MISSING

Thymus

AUTO PRECLUDES DIAG.

Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum		

OBSERVATIONS

Bone Marrow		Myelofibrosis	Focal, Moderate
Heart	Atrium	Thrombosis	
Note: THROMBUS TGLs = 8-3			
Kidney		Thrombosis	Multifocal, Moderate
Liver		Basophilic Focus	Mild
		Eosinophilic Focus	Moderate
		Leukemia Mononuclear	
	Centrilobular	Necrosis	Moderate
		Regeneration	Focal, Marked
[Leukemia Mononuclear TGLS = 9-3.1]			
Lung		Carcinoma	Metastatic (Preputial Gland)
		Leukemia Mononuclear	
Note: CARCINOMA TGLs = 7-4.1			
Lymph Node	Mediastinal	Congestion	Marked
	Inguinal	Necrosis	Marked
Note: NECROSIS TGLs = 2-13			
Preputial Gland	Bilateral	Carcinoma	
Note: CARCINOMA TGLs = 1-8.4			
Skin		Basal Cell Adenoma	

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 268	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 546
	DOSE: 170 PPM	**DISP:** Dead	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

Note: BASAL CEL ADEN TGLs = 6-10.1			
Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-3]			
Stomach	Glandular	Hemorrhage	Multifocal, Moderate
Note: HEMORRHAGE TGLs = 10-6			
Testes	Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Mild
Note: ADENOMA TGLs = 3-8.1			
Zymbal's Gland		Ectasia	Moderate
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 269	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 526
	DOSE: 170 PPM	**DISP:** Dead	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Brain	Epididymis	Esophagus
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lymph Node - Mandibular
Lymph Node - Mesenteric	Mammary Gland	Nose	Pancreas
Pituitary Gland	Prostate	Salivary Glands	Seminal Vesicle
Stomach - Forestomach	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Focal, Mild
Bone Marrow		Hyperplasia	Moderate
		Myelofibrosis	Focal, Minimal
Heart		Cardiomyopathy	Chronic, Mild
Kidney	Renal Tubule	Mineralization	Marked
Liver		Clear Cell Focus	Mild
		Eosinophilic Focus	Minimal
		Fatty Change	Moderate
	Centrilobular	Necrosis	Diffuse, Moderate
		Regeneration	Diffuse, Moderate
Note: NECROSIS TGLs = 7,8,9-3.1			
Lung		Hyperplasia	Lymphoid, Mild
		Infiltration Cellular	Histiocyte, Mild
Lymph Node	Mediastinal	Hemorrhage	Mild
Note: HEMORRHAGE TGLs = 10-9			
Parathyroid Gland		Hyperplasia	Moderate
Preputial Gland		Adenoma	
		Carcinoma	
Note: ADENOMA TGLs = 2-8.2			
Note: CARCINOMA TGLs = 2-8.4			
Skin		Basal Cell Adenoma	
		Basal Cell Carcinoma	

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 269	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 526
	DOSE: 170 PPM	**DISP:** Dead	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

		Keratoacanthoma	
Note: BASAL CEL ADEN TGLs = 13-10.2			
Note: KERATOACANTHMA TGLs = 14-10.3			
Note: BASAL CEL CARC TGLs = 12-10.1			
Spleen		Hematopoietic Cell Proliferation	Moderate
Stomach	Glandular	Mineralization	Moderate
Note: MINERALIZATION TGLs = 15-6			
Testes	Bilateral, Interstit Cell	Adenoma	
Note: ADENOMA TGLs = 3,4,5-8,8.1			
Note: EXTENSIVE MINERALIZATION OF NEOPLASM NOTED..			
Zymbal's Gland		Ectasia	Mild
		Hyperplasia	Focal, Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 270	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 604
	DOSE: 170 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - 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
Lymph Node - Mesenteric	Mammary Gland	Nose	Pancreas
Parathyroid Gland	Pituitary Gland	Prostate	Salivary Glands
Seminal Vesicle	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Focal, Mild
	Medulla	Pheochromocytoma Benign	
Heart		Cardiomyopathy	Chronic, Mild
	Atrium	Thrombosis	
Note: THROMBUS TGLs = 8-3			
Kidney		Nephropathy	Chronic, Mild
Liver		Basophilic Focus	Mild
		Degeneration	Cystic, Minimal
		Hematopoietic Cell Proliferation	Minimal
	Centrilobular	Necrosis	Diffuse, Mild
Note: NECROSIS TGLs = 7-3.1			
Lung		Hyperplasia	Lymphoid, Mild
Lymph Node	Mandibular	Congestion	Moderate
	Mediastinal	Congestion	Moderate
	Mandibular	Hyperplasia	Lymphoid, Moderate
	Mediastinal	Hyperplasia	Lymphoid, Moderate
Note: CONGESTION TGLs = 10,13-16,9			
Preputial Gland		Ectasia	Moderate
Note: ECTASIA TGLs = 12-8.2			
Skin		Basal Cell Adenoma	Multiple
	Subcut Tiss	Edema	Marked
Note: EDEMA TGLs = 11-10,17,9.1			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 270	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 604
	DOSE: 170 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

Note: BASAL CEL ADEN TGLs = 1,2,3-13,14,15			
Spleen		Hematopoietic Cell Proliferation	Moderate
Testes	Bilateral, Interstit Cell	Adenoma	
Note: ADENOMA TGLs = 4,5-8,8.1			
Zymbal's Gland		Ectasia	Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 271	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 561
	DOSE: 170 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone Marrow	Brain
Epididymis	Esophagus	Intestine Large - Cecum	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Islets, Pancreatic	Lung
Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland	Pancreas
Parathyroid Gland	Pituitary Gland	Salivary Glands	Seminal Vesicle
Stomach - Forestomach	Stomach - Glandular	Thymus	Trachea
Urinary Bladder			

OBSERVATIONS

Heart	Atrium	Thrombosis	
Intestine Large	Colon, Descend Colon	Polyp Adenomatous	Multiple
Note: POLYP ADENOMAT TGLs = 10,11-7			
Intestine Small	Jejunum	Adenocarcinoma	
Note: ADENOCARC TGLs = 9-6			
Kidney		Nephropathy	Chronic, Mild
Liver		Basophilic Focus	Minimal
		Degeneration	Cystic, Minimal
		Eosinophilic Focus	Mild
		Hematopoietic Cell Proliferation	Minimal
		Regeneration	Multifocal, Moderate
Note: REGENERATION TGLs = 12,13-3.1			
Mesentery		Ectasia	Focal, Marked
Note: ECTASIA TGLs = 8-13			
Nose		Inflammation	Acute, Moderate
Preputial Gland		Adenoma	
		Atrophy	Moderate
Note: ADENOMA TGLs = 2-8.2			
Note: ATROPHY TGLs = 3-8.2			
Prostate		Inflammation	Chronic Active, Marked
Skin		Basal Cell Adenoma	Multiple
		Keratoacanthoma	

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 271	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 561
	DOSE: 170 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

		Squamous Cell Carcinoma	Multiple
Note: KERATOACANTHMA TGLs = 1-10.1			
Note: SQUAM CEL CARC TGLs = 16,18-14,14.2			
Note: BASAL CEL ADEN TGLs = 17,19-14.1,14.3			
Spleen		Hematopoietic Cell Proliferation	Moderate
		Leukemia Mononuclear	
Testes	Bilateral, Interstit Cell	Adenoma	
Note: ADENOMA TGLs = 4,5-8,8.1			
Thyroid Gland	C Cell	Adenoma	
Zymbal's Gland		Ectasia	Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 272	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 556
	DOSE: 170 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	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	Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Prostate
Salivary Glands	Seminal Vesicle	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder
Zymbal's Gland			

MISSING

Mammary Gland

OBSERVATIONS

Heart		Cardiomyopathy	Chronic, Mild
Kidney		Nephropathy	Chronic, Mild
Liver		Eosinophilic Focus	Mild
Lung		Hyperplasia	Lymphoid, Moderate
Preputial Gland		Carcinoma	
Note: CARCINOMA TGLs = 6-8.2			
Skin		Basal Cell Adenoma	Multiple
	Subcut Tiss	Fibroma	
		Squamous Cell Carcinoma	Multiple
Note: SQUAM CEL CARC TGLs = 1,2-13,14			
Note: FIBROMA TGLs = 5-17			
Note: BASAL CEL ADEN TGLs = 3,4-15,16			
Spleen		Hematopoietic Cell Proliferation	Mild
Testes	Bilateral, Interstit Cell	Adenoma	
Note: ADENOMA TGLs = 7-8,8.1			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 273	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 561
	DOSE: 170 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	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	Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose
Pancreas	Pituitary Gland	Prostate	Salivary Glands
Seminal Vesicle	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	Zymbal's Gland

MISSING

Parathyroid Gland

OBSERVATIONS

Heart	Atrium	Thrombosis	
Note: THROMBUS TGLs = 9-3			
Kidney		Nephropathy	Chronic, Mild
Liver		Basophilic Focus	Minimal
	Centrilobular	Degeneration	Diffuse, Minimal
		Degeneration	Cystic, Minimal
		Eosinophilic Focus	Minimal
		Hematopoietic Cell Proliferation	Moderate
		Vacuolization Cytoplasmic	Multifocal, Mild
Note: VACUOLIZ CYTO TGLs = 5,6,7-3.1,3.2			
Lung	Alveolar Epith	Hyperplasia	Multifocal, Mild
		Hyperplasia	Lymphoid, Mild
Mammary Gland		Fibroadenoma	
Note: FIBROADENOMA TGLs = 2-10.1			
Preputial Gland		Carcinoma	
Note: CARCINOMA TGLs = 1-8.3			
Skin		Keratoacanthoma	
Note: KERATOACANTHMA TGLs = 10-13			
Spleen		Hematopoietic Cell Proliferation	Marked
Testes	Bilateral, Interstit Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 273	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 561
	DOSE: 170 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

Note: ADENOMA TGLs = 3-8,8.1
Zymbals Gl
Note: ONE GLD. PRESENT

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 274	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 561
	DOSE: 170 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Brain	Epididymis
Esophagus	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lymph Node - Mandibular
Lymph Node - Mesenteric	Mammary Gland	Nose	Pancreas
Pituitary Gland	Prostate	Salivary Glands	Seminal Vesicle
Stomach - Forestomach	Stomach - Glandular	Thymus	Trachea
Urinary Bladder	Zymbal's Gland		

OBSERVATIONS

Bone Marrow		Hyperplasia	Moderate
Heart		Cardiomyopathy	Chronic, Mild
	Atrium	Thrombosis	
Intestine Small	Duodenum	Adenocarcinoma	
	Duodenum, Mucosa	Hyperplasia	Diffuse, Moderate
Note: HYPERPLASIA TGLs = 8-6.1			
Note: ADENOCARC TGLs = 9-6.2			
Kidney		Nephropathy	Chronic, Mild
Liver		Basophilic Focus	Moderate
		Degeneration	Cystic, Multifocal, Mild
		Eosinophilic Focus	Mild
		Hematopoietic Cell Proliferation	Minimal
		Vacuolization Cytoplasmic	Multifocal, Mild
Note: DEGEN TGLs = 10-3.1			
Note: VACUOLIZ CYTO TGLs = 11-3.1			
Lung		Hyperplasia	Lymphoid, Mild
Mesentery	Fat	Necrosis	Moderate
Note: NECROSIS TGLs = 5-13			
Parathyroid Gland		Hyperplasia	Mild
Note: HYPERPLASIA TGLs = 12-2			
Preputial Gland	Bilateral	Carcinoma	
Note: CARCINOMA TGLs = 1,3-8.3,8.2			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 274	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 561
	DOSE: 170 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

Skin		Basal Cell Adenoma	
		Basal Cell Carcinoma	
	Hair Follicle	Hyperplasia	Basal Cell, Focal, Moderate
Note: BASAL CEL CARC TGLs = 2-10.1			
Note: BASAL CEL ADEN TGLs = 13-14			
Spleen		Hematopoietic Cell Proliferation	Marked
		Leukemia Mononuclear	
Note: HEMA CELL PROL TGLs = 6-3			
Testes	Bilateral, Interstit Cell	Adenoma	
Note: ADENOMA TGLs = 4-8,8.1			
Thyroid Gland	C Cell	Hyperplasia	Focal, Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 275	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 284
	DOSE: 170 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Seminal Vesicle

OBSERVATIONS

Heart		Cardiomyopathy	Chronic, Mild
Intestine Large	Rectum	Parasite Metazoan	Minimal
Kidney		Nephropathy	Chronic, Mild
Liver		Basophilic Focus	Mild
		Hepatodiaphragmatic Nodule	
Note: ANOM HEPAT LOB TGLs = 2-3.1			
Lung		Hyperplasia	Lymphoid, Mild
Lymph Node	Mesenteric	Hyperplasia	Reticulum Cell, Minimal
Preputial Gland		Carcinoma	
		Hyperplasia	Focal, Mild
Note: CARCINOMA TGLs = 1-8.3			
Testes	Interstit Cell	Hyperplasia	Minimal
Zymbal's Gland		Ectasia	Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 276	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 616
	DOSE: 170 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Brain	Epididymis	Esophagus
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lung
Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Salivary Glands
Seminal Vesicle	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

OBSERVATIONS

Adrenal Gland	Bilateral, Medulla	Pheochromocytoma Benign	
Bone Marrow		Hyperplasia	Moderate
Eye		Cataract	Moderate
	Retina	Degeneration	Marked
Note: CATARACT TGLs = 1-13			
Heart		Cardiomyopathy	Chronic, Mild
	Atrium	Thrombosis	
Kidney		Nephropathy	Chronic, Minimal
Liver		Basophilic Focus	Mild
		Clear Cell Focus	Mild
		Degeneration	Cystic, Minimal
		Eosinophilic Focus	Minimal
		Hematopoietic Cell Proliferation	Mild
	Bile Duct	Hyperplasia	Mild
		Regeneration	Diffuse, Mild
		Thrombosis	
		Vacuolization Cytoplasmic	Multifocal, Mild
Note: THROMBUS TGLs = 8-3.1			
Note: VACUOLIZ CYTO TGLs = 7-3.1			
Lymph Node	Axillary	Hyperplasia	Lymphoid, Moderate
Note: HYPERPLASIA TGLs = 9-14			
Preputial Gland	Bilateral	Adenoma	

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 276	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 616
	DOSE: 170 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

Note: ADENOMA TGLs = 2,3-8.2			
Prostate		Inflammation	Chronic Active, Moderate
Skin		Basal Cell Adenoma	Multiple
	Subcut Tiss	Fibroma	
Note: FIBROMA TGLs = 12-16			
Note: BASAL CEL ADEN TGLs = 11,13,14-15,17,18			
Spleen		Hematopoietic Cell Proliferation	Moderate
Testes	Bilateral, Interstit Cell	Adenoma	
Note: ADENOMA TGLs = 4,5-8.1,8			
Zymbal's Gland		Carcinoma	
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 277	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 486
	DOSE: 170 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	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	Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Preputial Gland
Prostate	Salivary Glands	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Thyroid Gland	Trachea
Urinary Bladder			

MISSING

Thymus

OBSERVATIONS

Heart		Cardiomyopathy	Chronic, Minimal
Kidney		Nephropathy	Chronic, Minimal
Liver	Centrilobular	Degeneration	Diffuse, Minimal
Note: [DEGEN] TGLs = 7-3.1			
Lung		Hyperplasia	Lymphoid, Minimal
Mammary Gland		Fibroadenoma	
Note: FIBROADENOMA TGLs = 1-13			
Preputial Gl			
Note: ONLY ONE IS PRESENT IN THE SECTION..			
Seminal Vesicle		Atrophy	Mild
Note: ATROPHY TGLs = 4-8.3			
Testes	Interstit Cell	Adenoma	
Note: ADENOMA TGLs = 3-8			
Zymbal's Gland		Carcinoma	
Note: CARCINOMA TGLs = 6-10,10.1			
Note: OPPOSING GLD. IS NOT PRESENT..			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 278	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 486
	DOSE: 170 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - 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
Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Prostate
Salivary Glands	Seminal Vesicle	Stomach - Forestomach	Stomach - Glandular
Thyroid Gland	Trachea	Urinary Bladder	

MISSING

Thymus

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Focal, Mild
	Medulla	Pheochromocytoma Benign	
Heart		Cardiomyopathy	Chronic, Moderate
Kidney		Nephropathy	Chronic, Moderate
Liver		Basophilic Focus	Mild
		Clear Cell Focus	Mild
		Eosinophilic Focus	Mild
Note: HYPERBASOPHILIA..			
Lung		Hyperplasia	Lymphoid, Mild
Mesentery	Fat	Necrosis	Moderate
Note: NECROSIS TGLs = 5-13			
Preputial Gland		Adenoma	
Skin		Basal Cell Adenoma	Multiple
		Squamous Cell Carcinoma	
Note: BASAL CEL ADEN TGLs = 6,7-14,15			
Note: SQUAM CEL CARC TGLs = 8-16			
Spleen		Hematopoietic Cell Proliferation	Moderate
Testes	Bilateral, Interstit Cell	Adenoma	
Note: ADENOMA TGLs = 1,2-8,8.1			
Zymbal's Gland		Carcinoma	

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 278	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 486
	DOSE: 170 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

	Ectasia	Mild

Note: [CARCINOMA] TGLs = 10-10

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 279	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 538
	DOSE: 170 PPM	**DISP:** Dead	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Kidney		Nephropathy	Chronic, Minimal
Liver		Degeneration	Cystic, Minimal
		Leukemia Mononuclear	
		Regeneration	Multifocal, Moderate
Note: REGENERATION TGLs = 5-3.1			
Preputial Gland		Adenoma	
		Cyst	Marked
Note: ADENOMA TGLs = 2-8.4			
Note: CYST TGLs = 1-8.2			
Note: MOSTLY NECROTIC MATERIAL..			
Skin		Basal Cell Adenoma	
		Squamous Cell Carcinoma	
Note: BASAL CEL ADEN TGLs = 8-10.2			
Note: SQUAM CEL CARC TGLs = 9-10.3			
Spleen		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 10-3			
Stomach	Glandular	Erosion	Multifocal, Mild
Testes	Bilateral, Interstit Cell	Adenoma	
Note: ADENOMA TGLs = 3-8			
Thyroid Gland	C Cell	Adenoma	
Tongue		Necrosis	Focal, Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 279	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 538
	DOSE: 170 PPM	**DISP:** Dead	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

Note: NECROSIS TGLs = 7-13			
Zymbal's Gland		Carcinoma	
		Ectasia	Moderate
Note: CARCINOMA TGLs = 6-10.1			
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 280	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 560
	DOSE: 170 PPM	**DISP:** Moribund	**HISTO:**

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	Lymph Node - Mesenteric
Nose	Pancreas	Parathyroid Gland	Pituitary Gland
Prostate	Salivary Glands	Seminal Vesicle	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Trachea
Urinary Bladder	Zymbal's Gland		

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Cortex	Leukemia Mononuclear	
	Medulla	Leukemia Mononuclear	
Heart		Cardiomyopathy	Chronic, Minimal
Kidney		Nephropathy	Chronic, Mild
Liver		Degeneration	Cystic, Mild
		Eosinophilic Focus	Mild
		Leukemia Mononuclear	
		Regeneration	Multifocal, Marked
Note: LEUKEMIA MONUC TGLs = 6-			
Lung		Leukemia Mononuclear	
Lymph Node	Mandibular	Leukemia Mononuclear	
Mesentery	Fat	Necrosis	Moderate
Note: NECROSIS TGLs = 4-13			
Preputial Gland		Atrophy	Moderate
Skin		Basal Cell Adenoma	Multiple
Note: BASAL CEL ADEN TGLs = 1,8,9-10.1,15,16			
Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-3]			
Testes	Bilateral, Interstit Cell	Adenoma	
Note: ADENOMA TGLs = 3-8,8.1			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 280	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 560
	DOSE: 170 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH	-

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 281	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 557
	DOSE: 170 PPM	**DISP:** Dead	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Brain	Epididymis	Esophagus
Intestine Large - Cecum	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Lymph Node - Mandibular	Lymph Node - Mesenteric
Mammary Gland	Nose	Pancreas	Parathyroid Gland
Pituitary Gland	Prostate	Salivary Glands	Seminal Vesicle
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Benign	
	Medulla	Pheochromocytoma Malignant	
[Pheochromocytoma Benign TGLS = 10-2]			
Bone Marrow		Hyperplasia	Moderate
Heart		Cardiomyopathy	Chronic, Mild
Intestine Large	Colon, Descend Colon	Adenocarcinoma	
Note: [ADENOCARC] TGLs = 14-7.1			
Kidney		Nephropathy	Chronic, Moderate
Liver		Basophilic Focus	Mild
		Degeneration	Cystic, Minimal
		Eosinophilic Focus	Mild
		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 12-3.1			
Note: [BASOPH FOCUS] TGLs = 11,13-3.1,3.2			
Lung		Hyperplasia	Lymphoid, Mild
Preputial Gland		Adenoma	
		Hyperplasia	Focal, Mild
Note: ADENOMA TGLs = 8-8.2			
Skin		Basal Cell Adenoma	Multiple
		Squamous Cell Carcinoma	
Note: SQUAM CEL CARC TGLs = 2-14			
Note: BASAL CEL ADEN TGLs = 6,7-18,19			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 281	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 557
	DOSE: 170 PPM	**DISP:** Dead	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

Note: BASAL CEL ADEN TGLs = 1,3,4,5-13,15,16,17			
Spleen		Leukemia Mononuclear	
Testes	Bilateral, Interstit Cell	Adenoma	
Note: ADENOMA TGLs = 9-8.1			
Zymbal's Gland		Adenoma	
		Ectasia	Moderate
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 282	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 632
	DOSE: 170 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - 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
Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Prostate
Salivary Glands	Seminal Vesicle	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder

OBSERVATIONS

Adrenal Gland	Bilateral, Medulla	Pheochromocytoma Benign	
[Pheochromocytoma Benign TGLS = 4-2]			
Heart		Cardiomyopathy	Chronic, Mild
	Atrium	Thrombosis	
Note: THROMBUS TGLs = 8-3			
Kidney		Nephropathy	Chronic, Moderate
Note: NEPHROPATHY TGLs = 3-5			
Liver		Basophilic Focus	Mild
		Eosinophilic Focus	Minimal
		Hematopoietic Cell Proliferation	Mild
Lung		Hyperplasia	Lymphoid, Mild
Lymph Node	Mediastinal	Hyperplasia	Lymphoid, Moderate
Note: HYPERPLASIA TGLs = 9-13			
Pharynx	Palate	Squamous Cell Papilloma	
Note: SQ CL PAPILLOM TGLs = 10-14			
Preputial Gland		Hyperplasia	Squamous, Focal, Moderate
Note: HYPERPLASIA TGLs = 1-8.2			
Skin		Basal Cell Adenoma	Multiple
		Keratoacanthoma	
Note: KERATOACANTHMA TGLs = 16-20			
Note: BASAL CEL ADEN TGLs = 17,18,19,20-21,22,23,24			
Note: BASAL CEL ADEN TGLs = 11,12,13,14,15-15,16,17,18,19			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 282	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 632
	DOSE: 170 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

Spleen		Hematopoietic Cell Proliferation	Moderate
		Hyperplasia	Reticulum Cell, Moderate
[Hematopoietic Cell Proliferation TGLS = 22-3]			
[Hyperplasia TGLS = 21-3]			
Testes	Bilateral, Interstit Cell	Adenoma	
Note: ADENOMA TGLs = 2-8			
Zymbal's Gland		Adenoma	
		Ectasia	Moderate
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 283	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 437
	DOSE: 170 PPM	**DISP:** Dead	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone Marrow	Brain
Epididymis	Esophagus	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Islets, Pancreatic
Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Preputial Gland
Prostate	Salivary Glands	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Testes	Thyroid Gland
Trachea			
MISSING			
Seminal Vesicle	Thymus		
AUTO PRECLUDES DIAG.			
Intestine Small - Jejunum			
OBSERVATIONS			
Heart		Cardiomyopathy	Chronic, Minimal
Kidney		Nephropathy	Chronic, Mild
Liver		Basophilic Focus	Minimal
Lung		Hyperplasia	Lymphoid, Minimal
Mesentery		Schwannoma Malignant	
Note: [SCHWANNOMA MAL] TGLs = 2-13			
Skeletal Muscle	Abdominal	Schwannoma Malignant	Metastatic (Mesentery)
Urinary Bladder		Hemorrhage	Moderate
	Mucosa	Hyperplasia	Moderate
Zymbal's Gland		Ectasia	Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 284	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 603
	DOSE: 170 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	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	Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland
Pancreas	Parathyroid Gland	Pituitary Gland	Prostate
Salivary Glands	Seminal Vesicle	Stomach - Forestomach	Stomach - Glandular
Thyroid Gland	Trachea	Urinary Bladder	Zymbal's Gland

MISSING

Thymus

OBSERVATIONS

Heart		Cardiomyopathy	Chronic, Mild
	Atrium	Thrombosis	
[Thrombosis TGLS = 9-3]			
Kidney		Nephropathy	Chronic, Mild
Liver		Basophilic Focus	Mild
		Degeneration	Cystic, Minimal
		Eosinophilic Focus	Moderate
		Hematopoietic Cell Proliferation	Mild
Lung		Hyperplasia	Lymphoid, Mild
Nose		Fungus	Mild
		Inflammation	Acute, Moderate
		Necrosis	Focal, Mild
Pharynx	Palate	Hyperplasia	Squamous, Mild
Note: [HYPERPLASIA] TGLs = 12,13-12.1,12.2			
Preputial Gland		Adenoma	
Note: ADENOMA TGLs = 5-8.2			
Skin		Basal Cell Adenoma	Multiple
		Squamous Cell Carcinoma	Multiple
Note: BASAL CEL ADEN TGLs = 1,2,3-13,14,15			
Note: [SQUAM CEL CARC] TGLs = 4-16			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 284	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 603
	DOSE: 170 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

Note: SQUAM CEL CARC TGLs = 11-17			
Spleen		Hematopoietic Cell Proliferation	Marked
Note: HEMA CELL PROL TGLs = 8-3			
Testes	Bilateral, Interstit Cell	Adenoma	
Note: ADENOMA TGLs = 6-8,8.1			
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 285	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 546
	DOSE: 170 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone Marrow	Brain	Esophagus
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lymph Node - Mandibular
Lymph Node - Mesenteric	Mammary Gland	Nose	Pancreas
Pituitary Gland	Prostate	Salivary Glands	Seminal Vesicle
Stomach - Forestomach	Stomach - Glandular	Thyroid Gland	Trachea
Urinary Bladder			

MISSING

Thymus

OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Benign	
Epididymis	Bilateral	Mesothelioma Malignant	Metastatic (Testes)
Heart		Cardiomyopathy	Chronic, Mild
	Atrium	Thrombosis	
Note: THROMBUS TGLs = 6-3			
Kidney		Nephropathy	Chronic, Minimal
Liver		Basophilic Focus	Mild
		Degeneration	Cystic, Focal, Minimal
		Eosinophilic Focus	Moderate
		Hematopoietic Cell Proliferation	Mild
Lung		Hyperplasia	Lymphoid, Mild
Mesentery	Fat	Necrosis	Moderate
Note: NECROSIS TGLs = 4-13			
Parathyroid Gland		Hyperplasia	Mild
Pharynx	Palate	Hyperplasia	Squamous, Focal, Mild
Preputial Gland		Carcinoma	
Note: CARCINOMA TGLs = 2-8.4			
Skin		Basal Cell Adenoma	Multiple
		Squamous Cell Papilloma	
Note: BASAL CEL ADEN TGLs = 7,8,10-10.1,10.2,10.4			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 285	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 546
	DOSE: 170 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

Note: SQ CL PAPILLOM TGLs = 9-10.3			
Spleen		Hematopoietic Cell Proliferation	Moderate
Testes	Bilateral, Interstit Cell	Adenoma	
	Bilateral	Mesothelioma Malignant	
Note: ADENOMA TGLs = 1-8,8.1			
Tongue		Squamous Cell Papilloma	
Note: SQ CL PAPILLOM TGLs = 5-14			
Zymbal's Gland		Ectasia	Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 286	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 483
	DOSE: 170 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone Marrow	Brain
Epididymis	Esophagus	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Prostate
Salivary Glands	Seminal Vesicle	Stomach - Forestomach	Stomach - Glandular
Thyroid Gland	Trachea	Urinary Bladder	

MISSING

Thymus

OBSERVATIONS

Heart		Cardiomyopathy	Chronic, Mild
Islets, Pancreatic		Hyperplasia	Focal, Mild
Kidney		Leukemia Mononuclear	
		Nephropathy	Chronic, Mild
Liver		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 8-3.1			
Lung		Hyperplasia	Lymphoid, Minimal
Lymph Node	Mediastinal	Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 7-14			
Mesentery	Fat	Necrosis	Moderate
Note: NECROSIS TGLs = 4-13			
Preputial Gland		Ectasia	Moderate
		Hyperplasia	Focal, Minimal
Note: HYPERPLASIA TGLs = 2-8.2			
Note: ECTASIA TGLs = 3-8.2			
Skin		Basal Cell Adenoma	Multiple
		Keratoacanthoma	
Note: [BASAL CEL ADEN] TGLs = 10-16,11-17			
Note: [KERATOACANTHMA] TGLs = 9-15			
Spleen		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 286	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 483
	DOSE: 170 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 5-3]			
Testes	Bilateral, Interstit Cell	Adenoma	
Zymbal's Gland		Carcinoma	
		Ectasia	Moderate
Note: CARCINOMA TGLs = 12-10			
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 287	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 472
	DOSE: 170 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Heart		Cardiomyopathy	Chronic, Minimal
Liver		Basophilic Focus	Mild
		Hematopoietic Cell Proliferation	Minimal
		Necrosis	Focal, Mild
Note: NECROSIS TGLs = 8-3.1			
Lung		Hyperplasia	Lymphoid, Mild
Mesentery	Fat	Necrosis	Moderate
Note: NECROSIS TGLs = 4-13			
Sem Ves			
Note: DECREASED SECRETION..			
Skin		Basal Cell Adenoma	
		Basal Cell Carcinoma	
	Sebaceous Gl	Carcinoma	
Note: [CARCINOMA] TGLs = 9-10.3			
Note: BASAL CEL CARC TGLs = 6-10.1			
Note: BASAL CEL ADEN TGLs = 7-10.2			
Spleen		Hematopoietic Cell Proliferation	Moderate
Testes	Bilateral, Interstit Cell	Adenoma	
Note: ADENOMA TGLs = 2,3-8,8.1			
Zymbal's Gland		Ectasia	Mild
		Hyperplasia	Squamous, Focal, Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 287	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 472
	DOSE: 170 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH	-

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 288	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 508
	DOSE: 170 PPM	**DISP:** Dead	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Thymus

OBSERVATIONS

Heart		Schwannoma Benign	
Liver		Basophilic Focus	Mild
		Lymphoma Malignant Histiocytic	
Lung		Lymphoma Malignant Histiocytic	
Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Minimal
[Hyperplasia TGLS = 1-2]			
Preputial Gland		Ectasia	Moderate
Skin		Basal Cell Carcinoma	
Note: BASAL CEL CARC TGLs = 2-13			
Spleen		Lymphoma Malignant Histiocytic	
Note: LYMPH MAL HIST TGLs = 3-13			
Testes	Interstit Cell	Adenoma	
Zymbal's Gland		Hyperplasia	Squamous, Focal, Minimal

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 289	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 535
	DOSE: 170 PPM	**DISP:** Dead	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Brain	Epididymis	Esophagus
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lymph Node - Mandibular
Nose	Pancreas	Parathyroid Gland	Pituitary Gland
Prostate	Salivary Glands	Seminal Vesicle	Stomach - Forestomach
Thymus	Thyroid Gland	Trachea	Urinary Bladder

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Focal, Mild
	Medulla	Pheochromocytoma Benign	
Bone	Cranium	Proliferation	Focal, Mild
Note: MORE APT DX. IS FOC EXOSTOSIS,BONE,PALATE..			
Note: PROLIFERATION TGLs = 10-13			
Bone Marrow		Hyperplasia	Moderate
Heart		Cardiomyopathy	Chronic, Mild
	Atrium	Thrombosis	
[Thrombosis TGLS = 13-3]			
Kidney		Nephropathy	Chronic, Minimal
Liver		Basophilic Focus	Minimal
		Hematopoietic Cell Proliferation	Moderate
	Centrilobular	Necrosis	Diffuse, Mild
		Neoplastic Nodule	
		Regeneration	Multifocal, Moderate
Note: REGENERATION TGLs = 9-3.2			
Lung		Hyperplasia	Lymphoid, Mild
		Infiltration Cellular	Histiocyte, Mild
Lymph Node	Mesenteric	Hyperplasia	Reticulum Cell, Moderate
Preputial Gland	Bilateral	Adenoma	
Note: ADENOMA TGLs = 3,4-8.4			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 289	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 535
	DOSE: 170 PPM	**DISP:** Dead	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

Skin		Basal Cell Carcinoma	Multiple
		Squamous Cell Papilloma	
Note: BASAL CEL CARC TGLs = 1,2-10.1,10.2			
Note: SQ CL PAPILLOM TGLs = 11-10.3			
Spleen		Hematopoietic Cell Proliferation	Marked
Stomach	Glandular	Erosion	Multifocal, Mild
Note: EROSION TGLs = 12-6			
Testes	Bilateral, Interstit Cell	Adenoma	
Note: ADENOMA TGLs = 5,6-8,8.1			
Zymbal's Gland		Adenoma	
		Ectasia	Moderate
Note: ADENOMA TGLs = 14-10			
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 290	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 556
	DOSE: 170 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone Marrow	Brain
Esophagus	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland
Nose	Parathyroid Gland	Salivary Glands	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Trachea

OBSERVATIONS

Adrenal Gland	Capsule	Mesothelioma Malignant	Metastatic (Testes)
Epididymis	Bilateral	Mesothelioma Malignant	Metastatic (Testes)
Kidney		Mesothelioma Malignant	Metastatic (Testes), Multiple (Testes)
		Nephropathy	Chronic, Mild
	Renal Tubule	Pigmentation	Moderate
Liver		Clear Cell Focus	Mild
		Degeneration	Cystic, Mild
		Eosinophilic Focus	Mild
		Hematopoietic Cell Proliferation	Mild
		Mesothelioma Malignant	Metastatic (Testes), Multiple (Testes)
		Vacuolization Cytoplasmic	Multifocal, Mild
Note: MESOTHELIO MAL TGLs = 6,7,8-3.1,3.2			
Lung		Hyperplasia	Lymphoid, Mild
Mesentery		Mesothelioma Malignant	Metastatic (Testes), Multiple (Testes)
Note: MESOTHELIO MAL TGLs = 5-13			
Note: META. FOCI INCLUDE MESENT. OF BOWEL AND PARIETAL PERITON.			
Pancreas		Mesothelioma Malignant	Metastatic (Testes), Multiple (Testes)
Pituitary Gland	Pars Distalis	Angiectasis	Mild
Note: ECTASIA TGLs = 10-2			
Preputial Gland		Adenoma	
		Atrophy	Moderate
Prostate		Mesothelioma Malignant	Metastatic (Testes), Multiple (Testes)
Seminal Vesicle		Mesothelioma Malignant	Metastatic (Testes), Multiple (Testes)

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 290	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 556
	DOSE: 170 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

Skin		Basal Cell Adenoma	
Note: BASAL CEL ADEN TGLs = 9-14			
Spleen		Hematopoietic Cell Proliferation	Mild
Testes	Bilateral, Interstit Cell	Adenoma	
	Bilateral	Mesothelioma Malignant	
Note: ADENOMA TGLs = 3,4-8,8.1			
Urinary Bladder		Mesothelioma Malignant	Metastatic (Testes)
Zymbal's Gland		Ectasia	Mild
Note: ONE GLD. PRESENT..			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 291	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 333
	DOSE: 170 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Seminal Vesicle

OBSERVATIONS

Heart		Cardiomyopathy	Chronic, Mild
Kidney		Nephropathy	Chronic, Mild
Liver		Basophilic Focus	Minimal
		Clear Cell Focus	Mild
Lung		Hyperplasia	Lymphoid, Mild
Lymph Node	Mesenteric	Hyperplasia	Reticulum Cell, Mild
Mesentery	Fat	Necrosis	Mild
	Fat	Necrosis	Moderate
Note: NECROSIS TGLs = 4-14			
Note: NECROSIS TGLs = 5-14.1			
Preputial Gland		Adenoma	
Note: ADENOMA TGLs = 1-8.2			
Testes	Interstit Cell	Adenoma	
Note: ADENOMA TGLs = 6-8			
Tongue		Squamous Cell Papilloma	
Note: SQ CL PAPILLOM TGLs = 3-13			
Zymbal's Gland		Hyperplasia	Squamous, Focal, Minimal

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 291	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 333
	DOSE: 170 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

Animal Note: ABD. MASS PALPATED IN LIFE WAS MESENT.FAT NECROSIS

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 292	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 424
	DOSE: 170 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Seminal Vesicle

OBSERVATIONS

Heart		Cardiomyopathy	Chronic, Mild
Kidney		Nephropathy	Chronic, Mild
Lung		Carcinoma	Metastatic (Zymbal'S Gland)
		Hyperplasia	Lymphoid, Mild
Lymph Node	Mandibular	Congestion	Mild
	Mandibular	Hyperplasia	Reticulum Cell, Moderate
Note: CONGESTION TGLs = 3-9			
Skin		Basal Cell Adenoma	
Note: [BASAL CEL ADEN] TGLs = 4-10.1			
Testes	Bilateral, Interstit Cell	Adenoma	
Note: ADENOMA TGLs = 1,2-8,8.1			
Zymbal's Gland		Carcinoma	
Note: CARCINOMA TGLs = 5-10,10.2			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 293	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 596
	DOSE: 170 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Bone Marrow		Hyperplasia	Mild
Heart		Cardiomyopathy	Chronic, Minimal
	Atrium	Thrombosis	
Kidney	Transit Epithe	Hyperplasia	Focal, Mild
		Nephropathy	Chronic, Mild
Liver		Basophilic Focus	Minimal
		Degeneration	Cystic, Moderate
		Hematopoietic Cell Proliferation	Minimal
	Centrilobular	Necrosis	Minimal
		Regeneration	Multifocal, Moderate
Note: REGENERATION TGLs = 7-3.1			
Lung		Hyperplasia	Lymphoid, Mild
Preputial Gland		Ectasia	Moderate
Note: ECTASIA TGLs = 1-8.2			
Skin		Acanthosis	Focal, Moderate
		Basal Cell Adenoma	Multiple
		Basal Cell Carcinoma	
		Hyperkeratosis	Focal, Marked
Note: BASAL CEL CARC TGLs = 14-19			
Note: BASAL CEL ADEN TGLs = 8,10,11,12,13-13,15,16,17,18			
Note: HYPERKERATOSIS TGLs = 15-20			
Spleen		Hematopoietic Cell Proliferation	Moderate

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 293	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 596
	DOSE: 170 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 16-3			
Testes	Bilateral, Interstit Cell	Adenoma	
Note: ADENOMA TGLs = 2,3,4,5-8,8.1			
Tongue		Squamous Cell Papilloma	
Note: SQ CL PAPILLOM TGLs = 9-14			
Zymbal's Gland		Ectasia	Mild
		Hyperplasia	Squamous, Focal, Minimal

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 294	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 514
	DOSE: 170 PPM	**DISP:** Dead	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - 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
Kidney	Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric
Pancreas	Parathyroid Gland	Prostate	Salivary Glands
Seminal Vesicle	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Focal, Minimal
Heart		Cardiomyopathy	Chronic, Mild
	Atrium	Thrombosis	
Note: THROMBUS TGLs = 6-3			
Liver		Basophilic Focus	Minimal
		Fatty Change	Mild
		Hematopoietic Cell Proliferation	Mild
	Centrilobular	Necrosis	Diffuse, Moderate
		Necrosis	Multifocal, Mild
		Regeneration	Multifocal, Moderate
Note: NECROSIS TGLs = 3-3.1			
Note: REGENERATION TGLs = 4-3.1			
Nose		Fungus	Marked
		Inflammation	Chronic, Marked
		Necrosis	Focal, Marked
Pituitary Gland	Pars Distalis	Cyst	Moderate
Preputial Gland		Ectasia	Mild
Skin		Basal Cell Adenoma	
		Basal Cell Carcinoma	Multiple
		Squamous Cell Carcinoma	

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 294	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 514
	DOSE: 170 PPM	**DISP:** Dead	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

Note: BASAL CEL ADEN TGLs = 12-16			
Note: BASAL CEL CARC TGLs = 9,10,11-13,14,15			
Spleen		Hematopoietic Cell Proliferation	Moderate
		Hyperplasia	Reticulum Cell, Moderate
Testes	Bilateral, Interstit Cell	Adenoma	
		Cyst	Marked
	Interstit Cell	Hyperplasia	Mild
Note: CYST TGLs = 1-8.1			
Note: ADENOMA TGLs = 2-8			
Zymbal's Gland		Ectasia	Marked
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 295	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 644
	DOSE: 170 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone Marrow	Brain	Epididymis
Esophagus	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Islets, Pancreatic	Lymph Node - Mandibular
Lymph Node - Mesenteric	Mammary Gland	Pancreas	Parathyroid Gland
Pituitary Gland	Salivary Glands	Seminal Vesicle	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

OBSERVATIONS

Adrenal Gland	Bilateral, Medulla	Pheochromocytoma Benign	
Heart	Atrium	Thrombosis	
Note: THROMBUS TGLs = 5-3			
Intestine Small	Jejunum, Mucosa	Hyperplasia	Focal, Moderate
Note: HYPERPLASIA TGLs = 4-6.2			
Kidney		Nephropathy	Chronic, Mild
Liver		Basophilic Focus	Minimal
		Clear Cell Focus	Mild
		Eosinophilic Focus	Minimal
		Hematopoietic Cell Proliferation	Mild
		Vacuolization Cytoplasmic	Multifocal, Mild
Note: VACUOLIZ CYTO TGLs = 6-3.1			
Lung		Hyperplasia	Lymphoid, Mild
Nose		Fungus	Moderate
		Inflammation	Acute, Moderate
		Necrosis	Multifocal, Moderate
Preputial Gland		Ectasia	Moderate
		Hyperplasia	Squamous, Multifocal, Moderate
Prostate		Adenoma	
		Hyperplasia	Glandular, Multifocal, Mild
Skin		Basal Cell Adenoma	Multiple
	Subcut Tiss	Neurofibroma	

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 295	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 644
	DOSE: 170 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

Note: NEUROFIBROMA TGLs = 7-13			
Note: BASAL CEL ADEN TGLs = 8,9-14,15			
Spleen		Hematopoietic Cell Proliferation	Mild
Testes	Bilateral, Interstit Cell	Adenoma	
Note: ADENOMA TGLs = 2-8			
Zymbal's Gland		Adenoma	
		Ectasia	Mild
		Hyperplasia	Squamous, Focal, Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 296	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 485
	DOSE: 170 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Heart		Cardiomyopathy	Chronic, Mild
Liver		Basophilic Focus	Minimal
		Clear Cell Focus	Minimal
		Eosinophilic Focus	Minimal
		Hematopoietic Cell Proliferation	Mild
		Hepatodiaphragmatic Nodule	
Note: ANOM HEPAT LOB TGLs = 1-3.1			
Lung		Hyperplasia	Lymphoid, Mild
Preputial Gland		Carcinoma	
Note: CARCINOMA TGLs = 2-8.4			
Skin		Basal Cell Carcinoma	
Note: BASAL CEL CARC TGLs = 8-13			
Spleen		Hematopoietic Cell Proliferation	Moderate
Note: HEMA CELL PROL TGLs = 6-3			
Testes	Interstit Cell	Adenoma	
Note: ADENOMA TGLs = 3,4-8.1			
Zymbal's Gland		Hyperplasia	Squamous, Focal, Minimal

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 297	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 556
	DOSE: 170 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	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	Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland
Nose	Pancreas	Parathyroid Gland	Pituitary Gland
Prostate	Salivary Glands	Seminal Vesicle	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Trachea
Urinary Bladder	Zymbal's Gland		

MISSING

Eye

OBSERVATIONS

Eye		
Note: LEFT EYE LOST IN HISTOLOGY..		
Heart	Cardiomyopathy	Chronic, Mild
Kidney	Nephropathy	Chronic, Mild
Liver	Basophilic Focus	Mild
	Degeneration	Cystic, Mild
	Eosinophilic Focus	Mild
	Leukemia Mononuclear	
	Neoplastic Nodule	
	Regeneration	Multifocal, Moderate
Note: REGENERATION TGLs = 3-3.1		
[Leukemia Mononuclear TGLS = 3-3.1]		
Lung	Hyperplasia	Lymphoid, Mild
Preputial Gland	Atrophy	Moderate
	Ectasia	Moderate
Skin	Basal Cell Adenoma	Multiple
Note: BASAL CEL ADEN TGLs = 4,5-13,14		
Spleen	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-3]		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 297	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 556
	DOSE: 170 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

Testes	Bilateral, Interstit Cell	Adenoma
Note: ADENOMA TGLs = 1-8,8.1		
Zymbals Gl		
Note: ONE GLD. PRESENT..		
PRIMARY CAUSE OF DEATH	-	

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 298	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 616
	DOSE: 170 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - 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
Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Salivary Glands
Seminal Vesicle	Stomach - Forestomach	Stomach - Glandular	Thymus
Trachea	Urinary Bladder		

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Multifocal, Mild
Heart		Cardiomyopathy	Chronic, Mild
Kidney		Nephropathy	Chronic, Mild
Liver		Basophilic Focus	Mild
		Degeneration	Cystic, Focal, Mild
		Eosinophilic Focus	Mild
		Hematopoietic Cell Proliferation	Minimal
Lung		Hyperplasia	Lymphoid, Moderate
Mesentery	Fat	Necrosis	Moderate
Note: NECROSIS TGLs = 4-13			
Preputial Gland	Bilateral	Carcinoma	
Note: CARCINOMA TGLs = 1,2-8.2			
Prostate		Hyperplasia	Glandular, Focal, Mild
Skin		Basal Cell Adenoma	Multiple
		Squamous Cell Carcinoma	Multiple
		Squamous Cell Papilloma	
Note: BASAL CEL ADEN TGLs = 10,13,14,15-16,19,20,21			
Note: SQ CL PAPILLOM TGLs = 9-15			
Note: SQUAM CEL CARC TGLs = 11,12-17,18			
Spleen		Hematopoietic Cell Proliferation	Moderate
Testes	Bilateral, Interstit Cell	Adenoma	
Note: ADENOMA TGLs = 3-8.2			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 298	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 616
	DOSE: 170 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

Thyroid Gland	C Cell	Adenoma	
Tongue		Squamous Cell Papilloma	
Note: SQ CL PAPILLOM TGLs = 8-14			
Zymbal's Gland		Ectasia	Mild
		Hyperplasia	Squamous, Focal, Minimal

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 299	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 562
	DOSE: 170 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Thymus

OBSERVATIONS

Adrenal Gland	Bilateral, Medulla	Pheochromocytoma Benign	
Bone Marrow		Hyperplasia	Moderate
Eye	Retina	Degeneration	Moderate
Note: DEGEN TGLs = 12-14			
Heart		Cardiomyopathy	Chronic, Mild
	Atrium	Thrombosis	
Note: THROMBUS TGLs = 10-3			
Kidney		Nephropathy	Chronic, Minimal
Liver		Basophilic Focus	Mild
	Centrilobular	Degeneration	Diffuse, Mild
		Degeneration	Cystic, Minimal
		Eosinophilic Focus	Mild
		Hematopoietic Cell Proliferation	Mild
		Neoplastic Nodule	
Note: NEOPLASTIC NOD TGLs = 9-3.1			
Lung	Alveolar Epith	Hyperplasia	Focal, Minimal
		Hyperplasia	Lymphoid, Mild
Note: HYPERPLASIA TGLs = 11-4.1			
Mesentery	Fat	Necrosis	Moderate
Note: NECROSIS TGLs = 6-13			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 299	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 562
	DOSE: 170 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

Preputial Gland		Atrophy	Moderate
		Ectasia	Marked
Note: ECTASIA TGLs = 3-8.2			
Skin		Basal Cell Adenoma	Multiple
		Basal Cell Carcinoma	
		Squamous Cell Carcinoma	
Note: SQUAM CEL CARC TGLs = 13-15			
Note: BASAL CEL CARC TGLs = 1-10.1			
Note: BASAL CEL ADEN TGLs = 14,15,16,17-16,17,18,19			
Spleen		Hematopoietic Cell Proliferation	Moderate
Testes	Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Mild
Note: ADENOMA TGLs = 4-8			
Zymbal's Gland		Ectasia	Moderate
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 300	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 506
	DOSE: 170 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow	Epididymis	Esophagus	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Lymph Node - Mandibular	Lymph Node - Mesenteric
Nose	Pancreas	Parathyroid Gland	Pituitary Gland
Preputial Gland	Salivary Glands	Seminal Vesicle	Stomach - Glandular
Thyroid Gland	Trachea	Urinary Bladder	

MISSING

Mammary Gland	Thymus

OBSERVATIONS

Adrenal Gland	Bilateral, Medulla	Pheochromocytoma Benign	
	Cortex	Vacuolization Cytoplasmic	Diffuse, Moderate
Brain	Cerebrum	Thrombosis	Multifocal, Mild
Heart		Inflammation	Acute, Multifocal, Mild
	Atrium	Thrombosis	
Note: THROMBUS TGLs = 7,8-3			
Kidney		Thrombosis	Multifocal
Note: THROMBUS TGLs = 11-5			
Liver	Centrilobular	Degeneration	Diffuse, Moderate
		Degeneration	Cystic, Minimal
		Hematopoietic Cell Proliferation	Mild
	Bile Duct	Hyperplasia	Moderate
		Regeneration	Diffuse, Mild
Note: DEGEN TGLs = 10-3.1			
Lung		Edema	Moderate
		Infiltration Cellular	Histiocyte, Moderate
Note: INFILTRAT CELL TGLs = 9-4,4.1			
Lymph Node	Axillary	Hemorrhage	Moderate
	Mediastinal	Hemorrhage	Moderate
Note: HEMORRHAGE TGLs = 16-14			
Note: HEMORRHAGE TGLs = 6-13			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 300	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 506
	DOSE: 170 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

Prostate		Inflammation	Chronic Active, Moderate
Skin		Basal Cell Adenoma	Multiple
		Basal Cell Carcinoma	
	Dermis	Fibrosis	Focal, Mild
Note: BASAL CEL CARC TGLs = 15-18			
Note: BASAL CEL ADEN TGLs = 13,14-16,17			
Note: FIBROSIS TGLs = 12-15			
Spleen		Hematopoietic Cell Proliferation	Moderate
		Hyperplasia	Reticulum Cell, Moderate
Note: HEMA CELL PROL TGLs = 4-3			
Stomach	Forestomach	Acanthosis	Moderate
Testes	Bilateral, Interstit Cell	Adenoma	
Note: ADENOMA TGLs = 2,3-8,8.1			
Zymbal's Gland		Adenoma	
		Ectasia	Moderate
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 301	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 533
	DOSE: 170 PPM	**DISP:** Dead	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Thymus

OBSERVATIONS

Intestine Large	Cecum	Congestion	Moderate
Note: CONGESTION TGLs = 5-7			
Intestine Small	Jejunum	Adenocarcinoma	Cystic, Mucinous
	Jejunum	Congestion	Moderate
Note: ADENOCARC TGLs = 7-6.1			
Note: CONGESTION TGLs = 6-6			
Kidney		Nephropathy	Chronic, Minimal
Liver	Centrilobular	Degeneration	Diffuse, Mild
		Degeneration	Cystic, Minimal
Note: HYPERBASOPHILIA..			
Lymph Node	Mediastinal	Atrophy	Moderate
Mesentery	Vein	Ectasia	Marked
Note: ECTASIA TGLs = 9-7			
Pharynx	Palate	Squamous Cell Papilloma	
Note: SQ CL PAPILLOM TGLs = 10-13			
Preputial Gland		Atrophy	Moderate
Spleen		Hematopoietic Cell Proliferation	Moderate
Testes	Bilateral, Interstit Cell	Adenoma	
Note: ADENOMA TGLs = 2,8-8,8.1			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 301	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 533
	DOSE: 170 PPM	**DISP:** Dead	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

Zymbal's Gland	Ectasia	Mild
	Hyperplasia	Squamous, Focal, Minimal

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 302	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 581
	DOSE: 170 PPM	**DISP:** Dead	**HISTO:**

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	Lymph Node - Mandibular	Lymph Node - Mesenteric
Mammary Gland	Parathyroid Gland	Pituitary Gland	Prostate
Salivary Glands	Seminal Vesicle	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder

OBSERVATIONS

Adrenal Gland	Cortex	Necrosis	Multifocal, Marked
	Medulla	Pheochromocytoma Benign	
[Pheochromocytoma Benign TGLS = 9-2]			
Heart		Cardiomyopathy	Chronic, Moderate
Islets, Pancreatic		Hyperplasia	Focal, Minimal
Kidney	Renal Tubule	Mineralization	Moderate
	Prox Con Tub	Necrosis	Diffuse, Marked
		Nephropathy	Chronic, Moderate
Note: MINERALIZATION TGLs = 7-5			
Note: NECROSIS TGLs = 8-5			
Liver		Hematopoietic Cell Proliferation	Minimal
		Necrosis	Multifocal, Mild
Note: NECROSIS TGLs = 11-3.2			
Lung		Hyperplasia	Lymphoid, Minimal
		Infiltration Cellular	Histiocyte, Moderate
Mesentery	Fat	Necrosis	Moderate
Note: NECROSIS TGLs = 15-17			
Nose		Adenoma	
		Fungus	Moderate
		Hyperkeratosis	Marked
		Inflammation	Acute, Moderate
Pancreas		Atrophy	Mild
Preputial Gland		Adenoma	

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 302	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 581
	DOSE: 170 PPM	**DISP:** Dead	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

		Ectasia	Moderate
Note: ADENOMA TGLs = 4-8.2			
Skin		Basal Cell Adenoma	Multiple
		Hyperkeratosis	Focal, Marked
Note: BASAL CEL ADEN TGLs = 1,2-13,14			
Note: HYPERKERATOSIS TGLs = 3-15			
Spleen		Atrophy	Moderate
		Hematopoietic Cell Proliferation	Mild
Testes	Interstit Cell	Adenoma	
		Atrophy	Marked
	Interstit Cell	Hyperplasia	Mild
Note: ATROPHY TGLs = 5-8			
Note: ADENOMA TGLs = 6-8.1			
Zymbal's Gland		Ectasia	Moderate
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 303	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 485
	DOSE: 170 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	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	Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland
Nose	Pancreas	Parathyroid Gland	Pituitary Gland
Salivary Glands	Seminal Vesicle	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder

OBSERVATIONS

Heart		Cardiomyopathy	Chronic, Mild
	Atrium	Thrombosis	
Note: THROMBUS TGLs = 7-3			
Kidney	Cortex	Infarct	Acute, Moderate
		Nephropathy	Chronic, Mild
Note: INFARCT TGLs = 5-5			
Liver		Clear Cell Focus	Minimal
		Degeneration	Cystic, Mild
		Leukemia Mononuclear	
		Regeneration	Multifocal, Marked
Note: LEUKEMIA MONUC TGLs = 6-3.1			
[Leukemia Mononuclear TGLS = 6-3.1]			
Lung		Hyperplasia	Lymphoid, Mild
		Leukemia Mononuclear	
Preputial Gland		Carcinoma	
Note: CARCINOMA TGLs = 3-8.2			
Prostate		Inflammation	Chronic Active, Moderate
Skin		Basal Cell Adenoma	
Note: BASAL CEL ADEN TGLs = 1-13			
Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-3]			
Testes	Interstit Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 303	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 485
	DOSE: 170 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

Zymbal's Gland	Ectasia	Mild
PRIMARY CAUSE OF DEATH	-	

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 304	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 358
	DOSE: 170 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	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
Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Preputial Gland
Salivary Glands	Stomach - Forestomach	Stomach - Glandular	Thymus
Trachea	Urinary Bladder	Zymbal's Gland	

MISSING

Seminal Vesicle

OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Focal, Minimal
Heart		Cardiomyopathy	Chronic, Minimal
Kidney		Nephropathy	Chronic, Mild
Liver	Caudate Lobe	Pigmentation	Moderate
	Caudate Lobe	Regeneration	Mild
Note: PIGMENT TGLs = 7-3.1			
Note: REGENERATION TGLs = 7-3.1			
Note: GLYCOGEN ACCUMULATION IN CENTRILOB. AREAS..			
Lung		Hyperplasia	Lymphoid, Mild
		Infiltration Cellular	Histiocyte, Mild
Lymph Node	Iliac	Hyperplasia	Lymphoid, Moderate
Note: HYPERPLASIA TGLs = 3-14			
Prostate		Inflammation	Chronic Active, Moderate
Skin		Cyst Epithelial Inclusion	Mild
	Subcut Tiss	Neurofibroma	
Note: CYST EPITH INC TGLs = 4-10.1			
Note: NEUROFIBROMA TGLs = 1-13			
Spleen		Hematopoietic Cell Proliferation	Moderate
Note: HEMA CELL PROL TGLs = 2-3			
Testes	Interstit Cell	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 304	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 358
	DOSE: 170 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

Thyroid Gland [Carcinoma TGLS = 5-2]	C Cell	Carcinoma
PRIMARY CAUSE OF DEATH	-	

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 305	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 458
	DOSE: 170 PPM	**DISP:** Dead	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Seminal Vesicle

OBSERVATIONS

Heart		Cardiomyopathy	Chronic, Mild
Note: ATRIUM ENGORGED WITH BLOOD,NO DX..			
Liver		Eosinophilic Focus	Minimal
Mesentery	Fat	Necrosis	Moderate
Note: NECROSIS TGLs = 8-8.3			
Pharynx	Palate	Squamous Cell Papilloma	
Note: SQ CL PAPILLOM TGLs = 6-13			
Preputial Gland		Ectasia	Moderate
Note: ECTASIA TGLs = 9-8.2			
Prostate			
Note: PROSTATE MASS WAS MESENTERIC FAT NECROSIS IN SCROTUM..			
Spleen		Atrophy	Marked
[Atrophy TGLS = 7-3]			
Testes	Bilateral, Interstit Cell	Adenoma	
Zymbal's Gland		Adenoma	
		Ectasia	Moderate

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 390	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 267
	DOSE: 330 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone Marrow	Brain	Epididymis
Esophagus	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Islets, Pancreatic	Lymph Node - Mandibular
Lymph Node - Mesenteric	Mammary Gland	Nose	Pancreas
Parathyroid Gland	Pituitary Gland	Salivary Glands	Skin
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

MISSING

Seminal Vesicle

OBSERVATIONS

Adrenal Gland	Cortex	Vacuolization Cytoplasmic	Diffuse, Mild
Heart		Cardiomyopathy	Chronic, Minimal
	Atrium	Thrombosis	
Intestine Small	Jejunum	Adenocarcinoma	
Note: POORLY DIFFERENTIATED..			
Note: ADENOCARC TGLs = 4-6			
Kidney		Nephropathy	Chronic, Mild
Note: NEPHROPATHY TGLs = 7-5			
Liver		Hematopoietic Cell Proliferation	Minimal
		Necrosis	Focal, Moderate
Note: NECROSIS TGLs = 6-3.1			
Lung		Hyperplasia	Lymphoid, Mild
Preputial Gland		Atrophy	Moderate
		Carcinoma	
Note: CARCINOMA TGLs = 1-13			
Prostate		Inflammation	Chronic Active, Mild
Spleen		Hematopoietic Cell Proliferation	Moderate
Note: HEMA CELL PROL TGLs = 2-3			
Testes		Degeneration	Minimal
Zymbal's Gland		Ectasia	Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 390	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 267
	DOSE: 330 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH	-

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 392	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 401
	DOSE: 330 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - 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
Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland	Parathyroid Gland
Salivary Glands	Skin	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Zymbal's Gland

MISSING

Seminal Vesicle

OBSERVATIONS

Epididymis	Bilateral	Mesothelioma Malignant	Metastatic (Testes)
Heart		Cardiomyopathy	Chronic, Mild
Kidney		Mesothelioma Malignant	Metastatic (Testes)
		Nephropathy	Chronic, Mild
	Renal Tubule	Pigmentation	Moderate
Note: PIGMENT TGLs = 6-5			
Liver		Basophilic Focus	Minimal
		Eosinophilic Focus	Mild
		Hematopoietic Cell Proliferation	Minimal
		Mesothelioma Malignant	Metastatic (Testes)
	Centrilobular	Necrosis	Diffuse, Moderate
Note: NECROSIS TGLs = 5-3.1			
Lung		Hyperplasia	Lymphoid, Mild
Lymph Node	Mediastinal	Pigmentation	Moderate
Note: PIGMENT TGLs = 7-9			
Mesentery		Mesothelioma Malignant	Metastatic (Testes)
Note: MESOTHELIO MAL TGLs = 8-7+8+8.1+3+8.2+6+13			
Nose	Submucosa	Fibrosis	Moderate
		Inflammation	Chronic, Moderate
		Necrosis	Focal, Moderate
Pancreas		Mesothelioma Malignant	Metastatic (Testes)

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 392	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 401
	DOSE: 330 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

Note: MESOTHELIO MAL TGLs = 10-6			
Pituitary Gland	Pars Intermed	Cyst	Mild
[Cyst TGLS = 11-2]			
Preputial Gland		Ectasia	Mild
Note: ECTASIA TGLs = 2-8.2			
Prostate		Mesothelioma Malignant	Metastatic (Testes)
Spleen		Hematopoietic Cell Proliferation	Moderate
		Mesothelioma Malignant	Metastatic (Testes)
Testes	Interstit Cell	Adenoma	
		Degeneration	Moderate
		Mesothelioma Malignant	
Note: MESOTHELIO MAL TGLs = 9-8			
Urinary Bladder		Mesothelioma Malignant	Metastatic (Testes)
Note: MESOTHELIO MAL TGLs = 3-8.2			
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 393	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 486
	DOSE: 330 PPM	**DISP:** Moribund	**HISTO:**

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	Lymph Node - Mandibular
Mammary Gland	Nose	Pancreas	Parathyroid Gland
Pituitary Gland	Prostate	Salivary Glands	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

OBSERVATIONS

Adrenal Gland	Cortex	Infarct	Chronic, Marked
	Medulla	Infarct	Chronic, Marked
Heart		Cardiomyopathy	Chronic, Mild
	Atrium	Thrombosis	
Kidney		Nephropathy	Chronic, Mild
Liver		Basophilic Focus	Minimal
		Clear Cell Focus	Mild
		Eosinophilic Focus	Mild
		Hematopoietic Cell Proliferation	Mild
Note: [EOSIN FOCUS] TGLs = 11-3.1			
Lung		Hyperplasia	Lymphoid, Mild
		Infiltration Cellular	Histiocyte, Mild
Note: INFILTRAT CELL TGLs = 13-4			
Lymph Node	Mesenteric	Hyperplasia	Lymphoid, Moderate
Preputial Gland		Ectasia	Moderate
		Inflammation	Chronic, Mild
Seminal Vesicle		Atrophy	Moderate
Note: ATROPHY TGLs = 8-8.3			
Skin		Basal Cell Adenoma	
		Basal Cell Carcinoma	
	Dermis	Fibrosis	Focal, Moderate
		Squamous Cell Carcinoma	Multiple

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 393	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 486
	DOSE: 330 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

Note: BASAL CEL CARC TGLs = 6-19			
Note: FIBROSIS TGLs = 3-17			
Note: SQUAM CEL CARC TGLs = 2,4,5-15,16,18			
Spleen		Hematopoietic Cell Proliferation	Marked
		Hyperplasia	Megakaryocyte, Moderate
		Leukemia Mononuclear	
Note: HEMA CELL PROL TGLs = 10-3			
Note: UNUSUAL MASSES OF MEGAKARYOCYTES IN RED PULP..			
Testes	Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Minimal
		Mesothelioma Benign	
Tongue		Squamous Cell Papilloma	
Note: SQ CL PAPILLOM TGLs = 14-14			
Zymbal's Gland		Ectasia	Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 394	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 423
	DOSE: 330 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Brain	Epididymis
Esophagus	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland
Nose	Parathyroid Gland	Salivary Glands	Skin
Spleen	Stomach - Glandular	Testes	Thyroid Gland
Trachea	Urinary Bladder		

MISSING

Seminal Vesicle	Thymus

OBSERVATIONS

Bone Marrow		Myelofibrosis	Focal, Mild
Eye	Cornea	Inflammation	Chronic, Mild
Note: INFLAMMATION TGLs = 5-13			
Kidney		Nephropathy	Chronic, Moderate
Note: NEPHROPATHY TGLs = 1-5			
Liver		Basophilic Focus	Mild
		Vacuolization Cytoplasmic	Focal, Mild
Note: VACUOLIZ CYTO TGLs = 4-3.1			
Note: HYPERBASOPHILIA			
Lung		Hyperplasia	Lymphoid, Mild
Pancreas		Atrophy	Minimal
Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 6,7-2]			
Preputial Gland		Ectasia	Mild
		Hyperplasia	Focal, Mild
Prostate		Inflammation	Chronic Active, Minimal
Stomach	Forestomach	Acanthosis	Moderate
	Forestomach	Ulcer	Moderate
Zymbal's Gland		Carcinoma	
		Ectasia	Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 394	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 423
	DOSE: 330 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

Note: CARCINOMA TGLs = 8-10,10.1

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 395	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 490
	DOSE: 330 PPM	**DISP:** Dead	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Kidney		Nephropathy	Chronic, Mild
Liver		Basophilic Focus	Mild
	Centrilobular	Degeneration	Diffuse, Marked
		Degeneration	Cystic, Minimal
		Hematopoietic Cell Proliferation	Mild
		Necrosis	Multifocal, Moderate
		Regeneration	Multifocal, Moderate
Note: DEGEN TGLs = 3,4-3.1			
Lung	Alveolar Epith	Hyperplasia	Focal, Mild
		Hyperplasia	Lymphoid, Mild
Preputial Gland		Carcinoma	
		Ectasia	Moderate
		Hyperplasia	Squamous, Focal, Minimal
Note: CARCINOMA TGLs = 2-8.1			
Skin		Basal Cell Adenoma	
Note: BASAL CEL ADEN TGLs = 6-13			
Spleen		Hematopoietic Cell Proliferation	Marked
		Hyperplasia	Reticulum Cell, Moderate
Testes	Interstit Cell	Adenoma	
Note: ADENOMA TGLs = 2-8.1			
Thymus		Hemorrhage	Marked

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 395	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 490
	DOSE: 330 PPM	**DISP:** Dead	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

Note: HEMORRHAGE TGLs = 5-9		
Zymbal's Gland	Ectasia	Moderate
Note: DUCT FILLED WITH KERATIN..		
PRIMARY CAUSE OF DEATH	-	

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 396	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 344
	DOSE: 330 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Heart		Cardiomyopathy	Chronic, Mild
Kidney		Nephropathy	Chronic, Mild
Liver		Basophilic Focus	Mild
		Eosinophilic Focus	Minimal
Note: LIVER HAS "PATCHY STAINING"..			
Lung		Hyperplasia	Lymphoid, Mild
Lymph Node	Mandibular	Hyperplasia	Lymphoid, Mild
	Mesenteric	Hyperplasia	Reticulum Cell, Mild
Note: HYPERPLASIA TGLs = 2-9			
Preputial Gland		Carcinoma	
Note: CARCINOMA TGLs = 1-8.3			
Skin		Basal Cell Carcinoma	
Note: SKIN TUMOR APPEARS TO HAVE ARISEN FROM THE CHEEK..			
Note: BASAL CEL CARC TGLs = 3-13			
Testes	Interstit Cell	Adenoma	
Zymbal's Gland		Ectasia	Mild
		Hyperplasia	Squamous, Focal, Minimal

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 397	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 441
	DOSE: 330 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Blood	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	Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland
Nose	Pancreas	Parathyroid Gland	Pituitary Gland
Salivary Glands	Spleen	Stomach - Forestomach	Stomach - Glandular
Testes	Thyroid Gland	Trachea	Urinary Bladder

MISSING

Seminal Vesicle	Thymus

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Focal, Mild
Bone	Cranium	Carcinoma	Metastatic (Zymbal'S Gland)
Heart		Cardiomyopathy	Chronic, Minimal
Kidney		Nephropathy	Chronic, Mild
Liver		Basophilic Focus	Minimal
		Hematopoietic Cell Proliferation	Minimal
		Necrosis	Focal, Minimal
Lung		Carcinoma	Metastatic (Zymbal'S Gland), Multiple (Zymbal'S Gland)
Note: CARCINOMA TGLs = 6.7-4,4.1			
Preputial Gland		Adenoma	
		Ectasia	Marked
Note: ECTASIA TGLs = 2-8.2			
Note: ADENOMA TGLs = 3-8.2			
Prostate		Inflammation	Chronic Active, Minimal
Skeletal Muscle	Cervical	Carcinoma	Metastatic (Zymbal'S Gland)
Skin		Basal Cell Adenoma	Multiple
Note: BASAL CEL ADEN TGLs = 1,9-13,14			
Zymbal's Gland		Carcinoma	
		Ectasia	Moderate

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 397	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 441
	DOSE: 330 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

Note: ANAPLASTIC AND HIGHLY INVASIVE NEOPLASM..
Note: CARCINOMA TGLs = 8-10.1

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 398	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 537
	DOSE: 330 PPM	**DISP:** Dead	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone Marrow	Brain	Epididymis
Esophagus	Intestine Large - Cecum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland
Nose	Pancreas	Parathyroid Gland	Pituitary Gland
Prostate	Salivary Glands	Seminal Vesicle	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder

MISSING

Intestine Small - Duodenum

OBSERVATIONS

Adrenal Gland	Bilateral, Medulla	Pheochromocytoma Benign	
Heart		Cardiomyopathy	Chronic, Moderate
	Atrium	Thrombosis	
Note: THROMBUS TGLs = 10,11-3			
Intestine Large	Colon, Descend Colon	Adenocarcinoma	
	Rectum	Adenocarcinoma	
Note: [ADENOCARC] TGLs = 14,15-7,7.1			
Kidney		Nephropathy	Chronic, Mild
Liver		Basophilic Focus	Mild
		Clear Cell Focus	Minimal
		Degeneration	Cystic, Multifocal, Marked
		Hematopoietic Cell Proliferation	Minimal
	Centrilobular	Necrosis	Diffuse, Marked
		Regeneration	Focal, Marked
Note: DEGEN TGLs = 9-3.1			
Note: NECROSIS TGLs = 8-3.1			
Lung		Hyperplasia	Lymphoid, Mild
Preputial Gland		Ectasia	Marked
Note: ECTASIA TGLs = 18-8.2			
Skin		Basal Cell Adenoma	Multiple
		Squamous Cell Carcinoma	Multiple

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 398	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 537
	DOSE: 330 PPM	**DISP:** Dead	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

Note: BASAL CEL ADEN TGLs = 4,5,6,7-10.3,10.4,10.5,10.6			
Note: SQUAM CEL CARC TGLs = 2,3-10.1,10.2			
Spleen		Hematopoietic Cell Proliferation	Moderate
Stomach	Forestomach	Acanthosis	Moderate
Note: ACANTHOSIS TGLs = 17-6			
Testes	Bilateral, Interstit Cell	Adenoma	
Note: ADENOMA TGLs = 1-8,8.1			
Zymbal's Gland		Adenoma	
		Ectasia	Moderate
Note: ADENOMA TGLs = 19-10			
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 399	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 478
	DOSE: 330 PPM	**DISP:** Dead	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone Marrow	Brain	Esophagus
Islets, Pancreatic	Lymph Node - Mandibular	Nose	Pancreas
Parathyroid Gland	Pituitary Gland	Prostate	Salivary Glands
Seminal Vesicle	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea		

MISSING

Epididymis	Intestine Large - Cecum	Intestine Small - Ileum	Intestine Small - Jejunum
Lymph Node - Mesenteric	Mammary Gland	Preputial Gland	Testes
Urinary Bladder			

AUTO PRECLUDES DIAG.

Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Focal, Mild
Heart		Cardiomyopathy	Chronic, Mild
Kidney		Nephropathy	Chronic, Mild
Liver		Basophilic Focus	Mild
		Degeneration	Cystic, Minimal
		Eosinophilic Focus	Mild
		Hematopoietic Cell Proliferation	Minimal
		Necrosis	Multifocal, Moderate
		Regeneration	Multifocal, Marked
Note: REGENERATION TGLs = 1,5-3.1,13			
Lung		Hyperplasia	Lymphoid, Moderate
Note: POORLY PRESERVED..			
Skin		Basal Cell Adenoma	
		Squamous Cell Carcinoma	
Note: SQUAM CEL CARC TGLs = 2-14			
Note: [BASAL CEL ADEN] TGLs = 3-15			
Spleen		Hematopoietic Cell Proliferation	Marked
Note: HEMA CELL PROL TGLs = 4-3			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 399	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 478
	DOSE: 330 PPM	**DISP:** Dead	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

Zymbal's Gland	Ectasia	Moderate
	Hyperplasia	Squamous, Focal, Minimal

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 400	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 485
	DOSE: 330 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Thymus

OBSERVATIONS

Kidney		Nephropathy	Chronic, Mild
Liver		Basophilic Focus	Mild
		Clear Cell Focus	Mild
		Hematopoietic Cell Proliferation	Mild
		Vacuolization Cytoplasmic	Focal, Mild
Note: VACUOLIZ CYTO TGLs = 6-3.1			
Lung		Fibrosarcoma	Metastatic (Skin), Multiple (Skin)
		Hyperplasia	Lymphoid, Mild
Note: FIBROSARC TGLs = 5-4,4.1			
Mesentery	Fat	Necrosis	Moderate
Note: NECROSIS TGLs = 2-13			
Preputial Gland		Adenoma	
		Ectasia	Moderate
Note: ECTASIA TGLs = 1-8.2			
Prostate		Hyperplasia	Glandular, Focal, Minimal
Skin		Basal Cell Adenoma	Multiple
	Subcut Tiss	Fibrosarcoma	
Note: BASAL CEL ADEN TGLs = 8,10-14,16			
Note: FIBROSARC TGLs = 9-15			
Spleen		Hematopoietic Cell Proliferation	Moderate

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 400	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 485
	DOSE: 330 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

Note: HEMA CELL PROL TGLs = 7-3			
Testes	Bilateral, Interstit Cell	Adenoma	
Note: ADENOMA TGLs = 3,4-8			
Zymbal's Gland		Hyperplasia	Squamous, Focal, Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 401	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 483
	DOSE: 330 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Liver		Basophilic Focus	Moderate
		Eosinophilic Focus	Mild
		Hematopoietic Cell Proliferation	Mild
Note: EOSIN FOCUS TGLs = 5-3.1			
Lung		Hyperplasia	Lymphoid, Mild
Preputial Gland		Carcinoma	
Note: CARCINOMA TGLs = 3-8.2			
Note: OPPOSING GLD. IS NOT PRESENT..			
Skin		Basal Cell Adenoma	
Note: BASAL CEL ADEN TGLs = 4-13			
Spleen		Hematopoietic Cell Proliferation	Moderate
Testes	Bilateral, Interstit Cell	Adenoma	
Note: ADENOMA TGLs = 1,2-8,8.1			
Zymbal's Gland		Carcinoma	
Note: CARCINOMA TGLs = 6-10,10.1			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 402	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 423
	DOSE: 330 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Kidney		Nephropathy	Chronic, Mild
Liver		Basophilic Focus	Mild
	Centrilobular	Degeneration	Diffuse, Minimal
		Eosinophilic Focus	Mild
		Hematopoietic Cell Proliferation	Mild
Lung		Carcinoma	Metastatic (Preputial Gland), Multiple (Preputial Gland)
		Hyperplasia	Lymphoid, Mild
		Thrombosis	Multiple
Lymph Node	Inguinal	Carcinoma	Metastatic (Uncertain Primary Site)
Note: PRIMARY-SITE IS PREPUTIAL GLAND			
Preputial Gland	Bilateral	Carcinoma	
Note: HIGHLY ANAPLASTIC..			
[Carcinoma TGLS = 3-8.3]			
Sem Ves			
Note: DECREASED SECRETION,NO DX..			
Skin	Subcut Tiss	Carcinoma	Metastatic (Uncertain Primary Site)
Note: [CARCINOMA] TGLs = 9,10-13,14			
Note: PRIMARY-SITE IS PREPUTIAL GLAND			
Note: BOTH ARE HIGHLY ANAPLASTIC WITH SARCOMATOUS FEATURES..			
Spleen		Hematopoietic Cell Proliferation	Moderate

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 402	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 423
	DOSE: 330 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

[Hematopoietic Cell Proliferation TGLS = 6-3]	
Zymbal's Gland	Carcinoma
[Carcinoma TGLS = 2-10]	
PRIMARY CAUSE OF DEATH	-

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 403	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 486
	DOSE: 330 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone Marrow	Brain
Epididymis	Esophagus	Intestine Large - Cecum	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Salivary Glands
Seminal Vesicle	Stomach - Forestomach	Stomach - Glandular	Thyroid Gland
Trachea	Urinary Bladder		

MISSING

Thymus

OBSERVATIONS

Heart		Cardiomyopathy	Chronic, Mild
	Atrium	Thrombosis	Moderate
Intestine Large	Colon, Descend Colon	Polyp Adenomatous	
Note: POLYP DESCRIBED BY BOTH PROSECTOR AND HISTOTECH. INADVERT..			
Note: POLYP ADENOMAT TGLs = 9-7.1			
Kidney		Nephropathy	Chronic, Minimal
Liver		Basophilic Focus	Mild
		Clear Cell Focus	Mild
		Eosinophilic Focus	Moderate
		Hematopoietic Cell Proliferation	Mild
Lung		Hyperplasia	Lymphoid, Mild
Mesentery	Fat	Necrosis	Moderate
Note: MASS DESCRIBED AT NECROPSY TO INVOLVE SEM. VES.			
Note: NECROSIS TGLs = 7-8.3			
Preputial Gland		Carcinoma	
		Ectasia	Moderate
		Hyperplasia	Focal, Minimal
Note: CARCINOMA TGLs = 5-8.2			
Prostate		Inflammation	Chronic Active, Moderate
Skin		Acanthosis	Focal, Marked

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 403	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 486
	DOSE: 330 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

		Basal Cell Carcinoma	Multiple
Note: ACANTHOSIS TGLs = 2-15			
Note: BASAL CEL CARC TGLs = 1,3-14,16			
Spleen		Hematopoietic Cell Proliferation	Moderate
[Hematopoietic Cell Proliferation TGLS = 8-3]			
Testes	Bilateral, Interstit Cell	Adenoma	
	Bilateral	Mesothelioma Malignant	
Note: ADENOMA TGLs = 6-8.1			
Zymbal's Gland		Ectasia	Moderate
		Hyperplasia	Squamous, Focal, Moderate
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 404	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 550
	DOSE: 330 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Heart	Atrium	Thrombosis	
Intestine Large	Colon, Descend Colon	Polyp Adenomatous	
Note: POLYP ADENOMAT TGLs = 5-7			
Kidney		Nephropathy	Chronic, Mild
Liver		Basophilic Focus	Moderate
		Clear Cell Focus	Mild
		Degeneration	Cystic, Focal, Moderate
		Eosinophilic Focus	Marked
		Hematopoietic Cell Proliferation	Mild
	Bile Duct	Hyperplasia	Moderate
Note: DEGEN TGLs = 10-3.1			
Lung		Hyperplasia	Lymphoid, Moderate
		Squamous Cell Carcinoma	Metastatic (Skin)
Note: SQUAM CEL CARC TGLs = 7-4.1			
Lymph Node	Mesenteric	Hyperplasia	Reticulum Cell, Mild
Pituitary Gland	Pars Distalis	Cyst	Mild
[Cyst TGLS = 12-2]			
Preputial Gland		Inflammation	Acute, Marked
Note: INFLAMMATION TGLs = 2,3-8.2			
Skin		Basal Cell Adenoma	Multiple
		Basal Cell Carcinoma	Multiple
		Squamous Cell Carcinoma	Multiple

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 404	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 550
	DOSE: 330 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

Note: BASAL CEL ADEN TGLs = 13,14,17,19,20,21-10.1,10.2,10.5			
Note: BASAL CEL CARC TGLs = 18-10.6			
Note: SQUAM CEL CARC TGLs = 15,16-10.3,10.4			
Note: BASAL CEL ADEN TGLs = 10.7,10.9			
Testes	Bilateral, Interstit Cell	Adenoma	
Note: ADENOMA TGLs = 1-8,8.1			
Zymbal's Gland		Adenoma	
		Ectasia	Moderate
Note: ADENOMA TGLs = 11-10			
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 405	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 595
	DOSE: 330 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - 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
Lymph Node - Mandibular	Mammary Gland	Pancreas	Parathyroid Gland
Pituitary Gland	Prostate	Salivary Glands	Seminal Vesicle
Stomach - Glandular	Thymus	Thyroid Gland	Trachea
Urinary Bladder	Zymbal's Gland		

OBSERVATIONS

Adrenal Gland	Bilateral, Medulla	Pheochromocytoma Benign	
Heart		Cardiomyopathy	Chronic, Minimal
	Atrium	Thrombosis	
Note: THROMBUS TGLs = 8-3			
Kidney		Nephropathy	Chronic, Mild
Liver		Basophilic Focus	Mild
		Degeneration	Cystic, Multifocal, Mild
		Eosinophilic Focus	Moderate
		Hematopoietic Cell Proliferation	Mild
Note: DEGEN TGLs = 6-3.1			
Lung		Hyperplasia	Lymphoid, Mild
Lymph Node	Mesenteric	Hyperplasia	Reticulum Cell, Moderate
Nose		Inflammation	Acute, Mild
Preputial Gland		Adenoma	
		Ectasia	Moderate
Note: ADENOMA TGLs = 2-8.2			
Note: ECTASIA TGLs = 3-8.2			
Skin		Basal Cell Adenoma	Multiple
		Squamous Cell Carcinoma	
Note: BASAL CEL ADEN TGLs = 9,10,12-13,14,16			
Note: SQUAM CEL CARC TGLs = 11-15			
Spleen		Hematopoietic Cell Proliferation	Moderate

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 405	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 595
	DOSE: 330 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

Stomach	Forestomach	Acanthosis	Diffuse, Mild
Testes	Bilateral, Interstit Cell	Adenoma	
Note: ADENOMA TGLs = 4,5-8,8.1			
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 406	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 546
	DOSE: 330 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	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	Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland
Nose	Parathyroid Gland	Pituitary Gland	Prostate
Salivary Glands	Seminal Vesicle	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder

OBSERVATIONS

Heart		Cardiomyopathy	Chronic, Mild
Kidney		Nephropathy	Chronic, Mild
Liver		Basophilic Focus	Moderate
		Clear Cell Focus	Minimal
	Centrilobular	Degeneration	Diffuse, Mild
		Fatty Change	Mild
		Hematopoietic Cell Proliferation	Mild
		Vacuolization Cytoplasmic	Multifocal, Moderate
Note: DEGEN TGLs = 13-3.1			
Note: HYPERBASOPHILIA..			
Lung		Basal Cell Carcinoma	Metastatic (Skin), Multiple (Skin)
Note: BASAL CEL CARC TGLs = 12-4,4.1			
Lymph Node	Axillary, Mediastinal	Basal Cell Carcinoma	Metastatic (Skin)
Note: BASAL CEL CARC TGLs = 11,14-9,13			
Pancreas		Atrophy	Mild
Preputial Gland		Ectasia	Marked
		Hyperplasia	Focal, Mild
Note: ECTASIA TGLs = 2-8.2			
Skin		Basal Cell Carcinoma	Multiple
		Keratoacanthoma	
Note: KERATOACANTHMA TGLs = 7-10.1			
Note: BASAL CEL CARC TGLs = 8,9,15-10.2,10.3,10.4			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 406	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 546
	DOSE: 330 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

Spleen		Basal Cell Carcinoma	Metastatic (Skin)
		Hematopoietic Cell Proliferation	Marked
		Necrosis	Multifocal, Marked
Note: NECROSIS TGLs = 6-3			
Note: HEMA CELL PROL TGLs = 5-3			
Testes	Bilateral, Interstit Cell	Adenoma	
Note: ADENOMA TGLs = 3-8,8.1			
Zymbal's Gland		Ectasia	Mild
		Hyperplasia	Focal, Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 407	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 542
	DOSE: 330 PPM	**DISP:** Dead	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Brain	Epididymis	Esophagus
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Islets, Pancreatic	Kidney	Mammary Gland
Nose	Pancreas	Parathyroid Gland	Pituitary Gland
Salivary Glands	Seminal Vesicle	Skin	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

OBSERVATIONS

Adrenal Gland	Cortex	Vacuolization Cytoplasmic	Diffuse, Moderate
Bone Marrow		Hyperplasia	Moderate
Heart		Cardiomyopathy	Chronic, Mild
Intestine Small	Jejunum	Adenocarcinoma	Cystic, Mucinous
Note: ADENOCARC TGLs = 4-6.1			
Liver		Eosinophilic Focus	Mild
	Serosa	Inflammation	Acute, Moderate
Note: INFLAMMATION TGLs = 2-3.1			
Note: SEROSAL INFLAMM. EXTENSION OF PERITONITIS..			
Lung		Hyperplasia	Lymphoid, Mild
Mesentery		Inflammation	Acute, Marked
Note: PERITONITIS..			
Preputial Gland	Bilateral	Carcinoma	
Note: CARCINOMA TGLs = 1-8.4			
Prostate		Inflammation	Chronic Active, Moderate
Spleen		Atrophy	Moderate
Testes	Bilateral, Interstit Cell	Adenoma	
Zymbal's Gland		Ectasia	Moderate

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 408	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 597
	DOSE: 330 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - 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
Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland	Parathyroid Gland
Pituitary Gland	Salivary Glands	Seminal Vesicle	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Multifocal, Minimal
Heart	Atrium	Thrombosis	
Note: THROMBUS TGLs = 1			
Kidney		Nephropathy	Chronic, Moderate
Liver		Clear Cell Focus	Mild
	Centrilobular	Degeneration	Diffuse, Mild
		Degeneration	Cystic, Focal, Moderate
		Eosinophilic Focus	Mild
		Hematopoietic Cell Proliferation	Mild
		Regeneration	Focal, Mild
Note: DEGEN TGLs = 8-3.1			
Lung	Alveolar Epith	Hyperplasia	Multifocal, Mild
		Hyperplasia	Lymphoid, Mild
		Infiltration Cellular	Histiocyte, Mild
		Thrombosis	Multiple
Nose		Fungus	Moderate
		Inflammation	Acute, Moderate
		Necrosis	Focal, Moderate
Pancreas	Acinus	Adenoma	
Preputial Gland		Ectasia	Marked
Note: ECTASIA TGLs = 1-8.2			
Prostate		Inflammation	Chronic Active, Moderate
Skin		Basal Cell Adenoma	Multiple

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 408	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 597
	DOSE: 330 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

	Subcut Tiss	Fibroma	Multiple
		Squamous Cell Carcinoma	Multiple
Note: FIBROMA TGLs = 12,22-14,24			
Note: SQUAM CEL CARC TGLs = 15,19-17,21			
Note: BASAL CEL ADEN TGLs = 13,14,16,17-15,16,18,19			
Note: BASAL CEL ADEN TGLs = 18,20,21,23,24-20,22,23,25,26			
Note: BASAL CEL ADEN TGLs = 25,26-27,28			
Spleen		Hematopoietic Cell Proliferation	Marked
Note: HEMA CELL PROL TGLs = 6-3			
Stomach	Forestomach	Ulcer	Multifocal, Moderate
Note: ULCER TGLs = 5-6			
Testes	Bilateral, Interstit Cell	Adenoma	
Note: ADENOMA TGLs = 3,4-8,8.1			
Tongue		Squamous Cell Papilloma	
Note: SQ CL PAPILLOM TGLs = 10-13			
Zymbal's Gland		Carcinoma	
		Ectasia	Marked
Note: [CARCINOMA] TGLs = 9-10,12.1			
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 409	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 339
	DOSE: 330 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
Adrenal Gland - Cortex	Adrenal Gland - Medulla	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	Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland
Nose	Pancreas	Parathyroid Gland	Pituitary Gland
Prostate	Salivary Glands	Skin	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Trachea
Urinary Bladder			
MISSING			
Seminal Vesicle			
OBSERVATIONS			
Heart		Cardiomyopathy	Chronic, Mild
Kidney		Nephropathy	Chronic, Mild
Liver		Basophilic Focus	Minimal
		Clear Cell Focus	Minimal
		Hematopoietic Cell Proliferation	Minimal
Lung		Hyperplasia	Lymphoid, Mild
Preputial Gland		Carcinoma	
Note: CARCINOMA TGLs = 1-8.3			
Note: EARLY INVASION..			
Spleen		Hematopoietic Cell Proliferation	Mild
Testes	Interstit Cell	Hyperplasia	Mild
Zymbal's Gland		Ectasia	Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 410	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 560
	DOSE: 330 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - 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
Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland	Nose
Pancreas	Parathyroid Gland	Prostate	Seminal Vesicle
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder	Zymbal's Gland	

OBSERVATIONS

Adrenal Gland	Bilateral, Medulla	Pheochromocytoma Benign	
[Pheochromocytoma Benign TGLS = 2-2]			
Heart	Atrium	Thrombosis	
[Thrombosis TGLS = 12-3]			
Kidney		Nephropathy	Chronic, Minimal
Liver		Basophilic Focus	Minimal
		Clear Cell Focus	Mild
	Centrilobular	Degeneration	Diffuse, Moderate
		Degeneration	Cystic, Minimal
	Periportal	Fibrosis	Marked
	Bile Duct	Hyperplasia	Marked
		Neoplastic Nodule	Multiple
		Regeneration	Diffuse, Moderate
		Thrombosis	
		Vacuolization Cytoplasmic	Multifocal, Moderate
Note: THROMBUS TGLs = 17-3.3			
Note: VACUOLIZ CYTO TGLs = 15-3.1			
Note: NEOPLASTIC NOD TGLs = 16-3.2			
Lung		Hyperplasia	Lymphoid, Mild
Mesentery	Fat	Necrosis	Moderate
Note: NECROSIS TGLs = 6-13			
Preputial Gland		Carcinoma	

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 410	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 560
	DOSE: 330 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

		Ectasia	Marked
Note: CARCINOMA TGLs = 3-8.2			
Salivary Glands	Interlobular	Edema	Moderate
Note: EDEMA TGLs = 8-9			
Skin		Basal Cell Adenoma	Multiple
		Basal Cell Carcinoma	
	Subcut Tiss	Edema	Marked
Note: BASAL CEL CARC TGLs = 1-10.1			
Note: EDEMA TGLs = 9-14			
Note: BASAL CEL ADEN TGLs = 18,19-15,16			
Spleen		Atrophy	Mild
		Hematopoietic Cell Proliferation	Moderate
Note: [ATROPHY] TGLs = 7-3			
Testes	Bilateral, Interstit Cell	Adenoma	
		Atrophy	Marked
Note: ADENOMA TGLs = 5-8			
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 411	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 550
	DOSE: 330 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Thymus

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Multifocal, Mild
Bone Marrow		Hyperplasia	Moderate
Heart		Cardiomyopathy	Chronic, Mild
Kidney		Nephropathy	Chronic, Minimal
Liver		Basophilic Focus	Mild
		Degeneration	Cystic, Minimal
		Eosinophilic Focus	Moderate
		Hematopoietic Cell Proliferation	Mild
		Neoplastic Nodule	Multiple
		Regeneration	Multifocal, Mild
Note: NEOPLASTIC NOD TGLs = 7,8,9,10,11-3.1,3.2			
Lung		Hyperplasia	Lymphoid, Mild
Preputial Gland		Carcinoma	
Note: CARCINOMA TGLs = 4-8.4			
Skin		Basal Cell Adenoma	Multiple
		Squamous Cell Carcinoma	
		Squamous Cell Papilloma	Multiple
Note: SQUAM CEL CARC TGLs = 16-10.6			
Note: BASAL CEL ADEN TGLs = 13,14,15,17-10.3,10.4,10.5,10.7			
Note: SQ CL PAPILLOM TGLs = 5,18-10.2,10.9			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 411	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 550
	DOSE: 330 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

Spleen		Hematopoietic Cell Proliferation	Moderate
		Hyperplasia	Reticulum Cell, Moderate
Note: HYPERPLASIA TGLs = 6-3			
Testes	Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Mild
Note: ADENOMA TGLs = 2-8.1			
Tongue		Squamous Cell Papilloma	
Note: SQ CL PAPILLOM TGLs = 12-13			
Zymbal's Gland		Carcinoma	
		Hyperplasia	Squamous, Focal, Mild
Note: CARCINOMA TGLs = 1-10.1			
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 412	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 560
	DOSE: 330 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	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	Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland
Nose	Pancreas	Parathyroid Gland	Pituitary Gland
Prostate	Salivary Glands	Seminal Vesicle	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

OBSERVATIONS

Bone	Cranium	Carcinoma	Metastatic (Zymbal'S Gland)
Note: CARCINOMA TGLs = 8-13			
Heart		Cardiomyopathy	Chronic, Moderate
	Atrium	Thrombosis	
Kidney		Nephropathy	Chronic, Mild
Liver		Basophilic Focus	Moderate
		Clear Cell Focus	Mild
		Degeneration	Cystic, Minimal
		Eosinophilic Focus	Moderate
		Hematopoietic Cell Proliferation	Minimal
		Neoplastic Nodule	
		Vacuolization Cytoplasmic	Multifocal, Mild
Note: VACUOLIZ CYTO TGLs = 5-3.1			
Note: NEOPLASTIC NOD TGLs = 6-3.1			
Lung		Squamous Cell Carcinoma	Metastatic (Skin)
Note: SQUAM CEL CARC TGLs = 7-4			
Preputial Gland		Hyperplasia	Squamous, Focal, Mild
Note: HYPERPLASIA TGLs = 2-8.2			
Skin		Basal Cell Adenoma	Multiple
	Hair Follicle	Hyperplasia	Basal Cell, Focal, Mild
		Squamous Cell Carcinoma	

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 412	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 560
	DOSE: 330 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

		Squamous Cell Papilloma	
Note: BASAL CEL ADEN TGLs = 10,11,12-15,16,17			
Note: SQUAM CEL CARC TGLs = 1-10.1			
Note: SEE SLIDE #15 FOR BASAL CELL HYPERPLASIA..			
Note: SQ CL PAPILLOM TGLs = 9-14			
Spleen		Hematopoietic Cell Proliferation	Marked
Note: HEMA CELL PROL TGLs = 4-3			
Testes	Bilateral, Interstit Cell	Adenoma	
Zymbal's Gland		Carcinoma	
Note: CARCINOMA TGLs = 13-10			
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 413	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 550
	DOSE: 330 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Brain	Epididymis	Esophagus
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lymph Node - Mandibular
Lymph Node - Mesenteric	Mammary Gland	Pancreas	Parathyroid Gland
Pituitary Gland	Prostate	Salivary Glands	Seminal Vesicle
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Tongue	Trachea	Urinary Bladder	

OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Benign	
Bone Marrow		Myelofibrosis	Minimal
Heart		Cardiomyopathy	Chronic, Mild
	Atrium	Thrombosis	
Note: THROMBUS TGLs = 13-3			
Kidney		Nephropathy	Chronic, Minimal
Liver		Basophilic Focus	Moderate
		Clear Cell Focus	Mild
	Centrilobular	Degeneration	Diffuse, Moderate
		Degeneration	Cystic, Mild
		Hematopoietic Cell Proliferation	Minimal
		Necrosis	Multifocal, Moderate
		Regeneration	Multifocal, Mild
Note: DEGEN TGLs = 6-3.1			
Lung		Hyperplasia	Lymphoid, Mild
Lymph Node	Inguinal	Hyperplasia	Lymphoid, Moderate
Note: HYPERPLASIA TGLs = 8-13			
Nose		Hyperkeratosis	Mild
Preputial Gland		Adenoma	
		Carcinoma	
Note: CARCINOMA TGLs = 4-8.4			
Note: ADENOMA TGLs = 5-10.2			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 413	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 550
	DOSE: 330 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

Skin		Basal Cell Adenoma	Multiple
Note: BASAL CEL ADEN TGLs = 1,9,10,11,12-10.1,10.3,10.4,10.5			
Note: BASAL CEL ADEN TGLs = 10.6			
Spleen		Hematopoietic Cell Proliferation	Moderate
Testes	Bilateral, Interstit Cell	Adenoma	
Note: ADENOMA TGLs = 2,3-8,8.1			
Zymbal's Gland		Carcinoma	
		Ectasia	Mild
Note: [CARCINOMA] TGLs = 14-10			
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 414	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 560
	DOSE: 330 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Brain	Epididymis	Esophagus
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Islets, Pancreatic	Kidney	Lung
Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Prostate
Salivary Glands	Seminal Vesicle	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder

OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Benign	
Bone Marrow		Myelofibrosis	Focal, Moderate
Heart		Cardiomyopathy	Chronic, Mild
	Atrium	Thrombosis	
Note: THROMBUS TGLs = 14-3			
Intestine Small	Jejunum	Adenocarcinoma	Cystic, Mucinous
Note: ADENOCARC TGLs = 12,13-14			
Liver		Basophilic Focus	Mild
		Clear Cell Focus	Mild
		Degeneration	Cystic, Minimal
		Eosinophilic Focus	Moderate
		Hematopoietic Cell Proliferation	Minimal
		Hepatocellular Carcinoma	
		Regeneration	Multifocal, Mild
Note: HEPATOCLR CARC TGLs = 10-3.2			
Preputial Gland		Adenoma	
Note: ADENOMA TGLs = 2-8.3			
Skin		Basal Cell Adenoma	
	Hair Follicle	Hyperplasia	Basal Cell, Focal, Mild
		Squamous Cell Carcinoma	
Note: BASAL CEL ADEN TGLs = 4-13			
Note: SQUAM CEL CARC TGLs = 3-10.1			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 414	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 560
	DOSE: 330 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

Spleen		Hematopoietic Cell Proliferation	Moderate
Testes	Bilateral, Interstit Cell	Adenoma	
Note: ADENOMA TGLs = 5,6-8,8.1			
Zymbal's Gland		Adenoma	
		Ectasia	Marked
		Hyperplasia	Squamous, Focal, Minimal
Note: ADENOMA TGLs = 11-10			
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 415	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 419
	DOSE: 330 PPM	**DISP:** Dead	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone Marrow	Epididymis
Esophagus	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Islets, Pancreatic	Lymph Node - Mandibular	Mammary Gland	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Prostate
Salivary Glands	Thyroid Gland	Trachea	Urinary Bladder
MISSING			
Seminal Vesicle	Thymus		
AUTO PRECLUDES DIAG.			
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Lymph Node - Mesenteric

OBSERVATIONS			
Brain	Cerebellum	Hemorrhage	Mild
Heart		Cardiomyopathy	Chronic, Mild
Kidney		Nephropathy	Chronic, Minimal
Liver		Degeneration	Cystic, Mild
Lung		Hyperplasia	Lymphoid, Minimal
Preputial Gland		Atrophy	Moderate
Skin		Basal Cell Adenoma	
Note: BASAL CEL ADEN TGLs = 3-6			
Spleen		Atrophy	Marked
Stomach	Glandular	Hemorrhage	Focal, Minimal
Note: HEMORRHAGE TGLs = 3-6			
Testes	Interstit Cell	Hyperplasia	Mild
Zymbal's Gland		Carcinoma	
		Ectasia	Moderate
Note: CARCINOMA TGLs = 1-10.1			
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 416	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 511
	DOSE: 330 PPM	**DISP:** Dead	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland

OBSERVATIONS

Kidney		Nephropathy	Chronic, Mild
Liver		Basophilic Focus	Moderate
		Degeneration	Cystic, Multifocal, Moderate
		Eosinophilic Focus	Marked
		Leukemia Mononuclear	
		Regeneration	Multifocal, Mild
Lung		Hyperplasia	Lymphoid, Mild
Skin		Squamous Cell Carcinoma	
Note: SQUAM CEL CARC TGLs = 1-13			
Spleen		Leukemia Mononuclear	
Testes	Bilateral, Interstit Cell	Adenoma	
Zymbal's Gland		Ectasia	Moderate

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 417	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 592
	DOSE: 330 PPM	**DISP:** Dead	**HISTO:**

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	Lymph Node - Mandibular
Mammary Gland	Nose	Pancreas	Parathyroid Gland
Pituitary Gland	Prostate	Salivary Glands	Seminal Vesicle
Stomach - Forestomach	Stomach - Glandular	Thymus	Trachea
Urinary Bladder			

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Focal, Minimal
	Cortex	Vacuolization Cytoplasmic	Diffuse, Mild
Heart		Inflammation	Acute, Multifocal, Mild
	Atrium	Thrombosis	
Kidney		Abscess	Multifocal, Moderate
Note: ABSCESS TGLs = 7-5			
Liver		Basophilic Focus	Moderate
	Centrilobular	Degeneration	Diffuse, Moderate
		Eosinophilic Focus	Mild
		Hematopoietic Cell Proliferation	Moderate
		Regeneration	Multifocal, Moderate
Lung		Congestion	Moderate
		Hemorrhage	Mild
	Alveolar Epith	Hyperplasia	Multifocal, Minimal
		Hyperplasia	Lymphoid, Mild
Note: CONGESTION TGLs = 11-4,4.1			
Lymph Node	Mesenteric	Hyperplasia	Reticulum Cell, Marked
Note: HYPERPLASIA TGLs = 12-16			
Pharynx	Palate	Squamous Cell Papilloma	
Note: SQ CL PAPILLOM TGLs = 13-12.1			
Preputial Gland		Ectasia	Moderate
Note: ECTASIA TGLs = 4-8.2			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 417	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 592
	DOSE: 330 PPM	**DISP:** Dead	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

Skin		Basal Cell Adenoma	Multiple
		Squamous Cell Carcinoma	Multiple
Note: SQUAM CEL CARC TGLs = 2,3-14,15			
Note: BASAL CEL ADEN TGLs = 1-13,14			
Spleen		Hematopoietic Cell Proliferation	Marked
Note: HEMA CELL PROL TGLs = 15-3.1			
Testes	Bilateral, Interstit Cell	Adenoma	
Note: ADENOMA TGLs = 5,6-8,8.1			
Thyroid Gland	C Cell	Adenoma	
Tongue		Squamous Cell Papilloma	
Note: SQ CL PAPILLOM TGLs = 14-17			
Zymbal's Gland		Adenoma	
		Ectasia	Marked
Note: KERATIN FILLED ECTATIC DUCT..			
Note: ECTASIA TGLs = 17-10			
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 418	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 284
	DOSE: 330 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Seminal Vesicle

OBSERVATIONS

Heart		Cardiomyopathy	Chronic, Minimal
Kidney		Nephropathy	Chronic, Mild
	Renal Tubule	Pigmentation	Minimal
Liver		Eosinophilic Focus	Mild
		Hematopoietic Cell Proliferation	Minimal
Lung		Hyperplasia	Lymphoid, Mild
Lymph Node	Mandibular	Hyperplasia	Lymphoid, Mild
Note: HYPERPLASIA TGLs = 1-9			
Preputial Gland		Atrophy	Mild
		Hyperplasia	Focal, Minimal
Spleen		Hematopoietic Cell Proliferation	Mild
Zymbal's Gland		Carcinoma	
		Ectasia	Mild
Note: CARCINOMA TGLs = 2-10.1			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 419	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 542
	DOSE: 330 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Brain	Epididymis
Esophagus	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland	Pancreas
Parathyroid Gland	Pituitary Gland	Prostate	Salivary Glands
Seminal Vesicle	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

OBSERVATIONS

Bone Marrow		Hyperplasia	Mild
Heart		Cardiomyopathy	Chronic, Mild
	Atrium	Thrombosis	
Note: THROMBUS TGLs = 7-3			
Kidney		Nephropathy	Chronic, Minimal
Liver		Clear Cell Focus	Mild
		Degeneration	Cystic, Mild
		Eosinophilic Focus	Moderate
		Hematopoietic Cell Proliferation	Minimal
		Necrosis	Multifocal, Mild
		Thrombosis	
		Vacuolization Cytoplasmic	Multifocal, Mild
Note: VACUOLIZ CYTO TGLs = 2-3.1			
Lung		Hyperplasia	Lymphoid, Mild
Nose		Fungus	Marked
		Inflammation	Chronic, Mild
Preputial Gland		Adenoma	
		Carcinoma	
Note: CARCINOMA TGLs = 1-8.4			
Note: ADENOMA TGLs = 1-8.4			
Skin		Basal Cell Adenoma	Multiple
		Squamous Cell Carcinoma	

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 419	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 542
	DOSE: 330 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

Note: SQUAM CEL CARC TGLs = 3-10.1			
Note: BASAL CEL ADEN TGLs = 4,5-10.2,10.3			
Spleen		Hematopoietic Cell Proliferation	Moderate
Testes	Interstit Cell	Adenoma	
		Atrophy	Marked
Zymbal's Gland		Hyperplasia	Squamous, Focal, Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 420	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 560
	DOSE: 330 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	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	Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland
Nose	Pancreas	Parathyroid Gland	Pituitary Gland
Prostate	Salivary Glands	Seminal Vesicle	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

OBSERVATIONS

Heart		Cardiomyopathy	Chronic, Mild
Kidney		Nephropathy	Chronic, Moderate
Liver		Basophilic Focus	Minimal
		Degeneration	Cystic, Multifocal, Mild
		Eosinophilic Focus	Mild
Note: DEGEN TGLs = 8-3.1			
Lung		Hyperplasia	Lymphoid, Mild
Preputial Gland	Bilateral	Adenoma	
Note: ADENOMA TGLs = 7-8.2			
Skin		Basal Cell Adenoma	
		Squamous Cell Carcinoma	
Note: SQUAM CEL CARC TGLs = 1-10.1			
Note: BASAL CEL ADEN TGLs = 2-13			
Spleen		Hematopoietic Cell Proliferation	Moderate
Testes	Interstit Cell	Adenoma	
Note: ADENOMA TGLs = 4-8			
Zymbal's Gland		Carcinoma	
Note: CARCINOMA TGLs = 3-10,10.3			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 421	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 402
	DOSE: 330 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	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	Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland
Pancreas	Parathyroid Gland	Pituitary Gland	Prostate
Salivary Glands	Seminal Vesicle	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Testes	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

OBSERVATIONS

Heart		Cardiomyopathy	Chronic, Mild
Kidney		Nephropathy	Chronic, Mild
Note: NEPHROPATHY TGLs = 2-5			
Liver		Basophilic Focus	Minimal
		Clear Cell Focus	Minimal
		Granuloma	Moderate
		Necrosis	Focal, Mild
Lung		Carcinoma	Metastatic (Zymbal'S Gland), Multiple (Zymbal'S Gland)
		Hyperplasia	Lymphoid, Mild
Note: CARCINOMA TGLs = 5-4.1			
Nose	Nasolacrim Dct	Inflammation	Acute, Moderate
Preputial Gland		Atrophy	Moderate
		Ectasia	Mild
Note: ECTASIA TGLs = 1-8.2			
Note: ATROPHY TGLs = 1-8.2			
Tongue		Squamous Cell Papilloma	
Note: SQ CL PAPILLOM TGLs = 4-13			
Zymbal's Gland		Carcinoma	
		Ectasia	Mild
Note: CARCINOMA TGLs = 3-10.1			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 421	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 402
	DOSE: 330 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH	-

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 422	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 560
	DOSE: 330 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone Marrow	Brain
Epididymis	Esophagus	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Mammary Gland	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Preputial Gland
Prostate	Salivary Glands	Seminal Vesicle	Stomach - Forestomach
Stomach - Glandular	Thymus	Trachea	Urinary Bladder
Zymbal's Gland			

OBSERVATIONS

Kidney		Nephropathy	Chronic, Mild
Liver		Basophilic Focus	Minimal
		Clear Cell Focus	Mild
		Degeneration	Cystic, Minimal
		Eosinophilic Focus	Moderate
		Hematopoietic Cell Proliferation	Mild
		Vacuolization Cytoplasmic	Multifocal, Mild
Note: VACUOLIZ CYTO TGLs = 7,8-3.1			
Lung		Hyperplasia	Lymphoid, Mild
Mesentery	Fat	Necrosis	Moderate
Note: NECROSIS TGLs = 6-15			
Skin		Basal Cell Adenoma	Multiple
		Basal Cell Carcinoma	
Note: BASAL CEL ADEN TGLs = 2,3-13,14			
Note: BASAL CEL CARC TGLs = 1-10.1			
Spleen		Angiectasis	Focal, Moderate
		Hematopoietic Cell Proliferation	Moderate
		Hyperplasia	Reticulum Cell, Moderate
Note: ANGIECTASIS TGLs = 9-3			
Testes	Bilateral, Interstit Cell	Adenoma	
Note: ADENOMA TGLs = 4,5,11-8,8.1			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 422	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 560
	DOSE: 330 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

Thyroid Gland	C Cell	Hyperplasia	Focal, Minimal
Urethra		Hyperplasia	Squamous, Focal, Mild
Zymbals Gl			
Note: ONE GLD. PRESENT..			
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 423	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 525
	DOSE: 330 PPM	**DISP:** Dead	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Brain	Epididymis
Esophagus	Islets, Pancreatic	Kidney	Lymph Node - Mesenteric
Mammary Gland	Nose	Pancreas	Parathyroid Gland
Pituitary Gland	Preputial Gland	Prostate	Salivary Glands
Seminal Vesicle	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

AUTO PRECLUDES DIAG.

Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Spleen	Stomach - Forestomach
Stomach - Glandular			

OBSERVATIONS

Bone	Cranium	Squamous Cell Carcinoma	Metastatic (Uncertain Primary Site)
Note: PRIMARY-SITE IS PHARYNX			
Bone Marrow		Hyperplasia	Moderate
Heart		Cardiomyopathy	Chronic, Moderate
Liver		Eosinophilic Focus	Mild
Lung		Alveolar/Bronchiolar Adenoma	
		Hyperplasia	Lymphoid, Mild
		Squamous Cell Carcinoma	Metastatic (Skin), Multiple (Skin)
Note: SQUAM CEL CARC TGLs = 6-4,4.1			
Note: [ALV BRON ADEN] TGLs = 5-4			
Lymph Node	Mandibular	Hyperplasia	Lymphoid, Mild
Note: HYPERPLASIA TGLs = 3-9			
Pharynx	Palate	Squamous Cell Carcinoma	
Skin		Squamous Cell Carcinoma	
Note: SQUAM CEL CARC TGLs = 1,7-10.1,13			
Testes	Bilateral, Interstit Cell	Adenoma	
Note: ADENOMA TGLs = 4-8			
Zymbal's Gland		Ectasia	Marked
Note: ECTASIA TGLs = 11-10			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 423	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 525
	DOSE: 330 PPM	**DISP:** Dead	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH	-

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 424	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 551
	DOSE: 330 PPM	**DISP:** Dead	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Brain	Epididymis
Esophagus	Intestine Large - Cecum	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lymph Node - Mandibular
Lymph Node - Mesenteric	Mammary Gland	Nose	Pancreas
Parathyroid Gland	Pituitary Gland	Preputial Gland	Prostate
Salivary Glands	Seminal Vesicle	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder

OBSERVATIONS

Bone Marrow		Hyperplasia	Moderate
Heart		Cardiomyopathy	Chronic, Mild
	Atrium	Thrombosis	
Note: THROMBUS TGLs = 9-3			
Intestine Large	Colon, Descend Colon	Polyp Adenomatous	
Note: POLYP ADENOMAT TGLs = 10-7			
Kidney		Infarct	Acute, Mild
		Nephropathy	Chronic, Mild
Liver		Basophilic Focus	Minimal
		Eosinophilic Focus	Moderate
		Hematopoietic Cell Proliferation	Mild
		Hepatocellular Carcinoma	
[Eosinophilic Focus TGLS = 6-3.1]			
Lung		Hyperplasia	Lymphoid, Mild
		Infiltration Cellular	Histiocyte, Mild
Skin		Basal Cell Adenoma	Multiple
	Subcut Tiss	Neurofibroma	
		Squamous Cell Carcinoma	
Note: BASAL CEL ADEN TGLs = 2,3-10.2,10.3			
Note: NEUROFIBROMA TGLs = 4-10.4			
Note: SQUAM CEL CARC TGLs = 1-10.1			
Spleen		Hematopoietic Cell Proliferation	Moderate

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 424	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 551
	DOSE: 330 PPM	**DISP:** Dead	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

		Hyperplasia	Reticulum Cell, Marked
		Metaplasia	Mild
Note: METAPL IS ADIPOSE TISSUE..			
[Hematopoietic Cell Proliferation TGLS = 11-3]			
[Hyperplasia TGLS = 12-3]			
Testes	Interstit Cell	Hyperplasia	Mild
Zymbal's Gland		Ectasia	Moderate
		Hyperplasia	Squamous, Focal, Minimal
Note: DUCT IS KERATIN FILLED..			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 425	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 483
	DOSE: 330 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Kidney		Nephropathy	Chronic, Mild
Liver		Basophilic Focus	Mild
		Hematopoietic Cell Proliferation	Minimal
Lung		Hyperplasia	Lymphoid, Minimal
Lymph Node	Iliac, Inguinal	Carcinoma	Metastatic (Preputial Gland)
	Mandibular	Hyperplasia	Lymphoid, Moderate
Note: CARCINOMA TGLs = 1,7-15,16			
Mesentery	Fat	Necrosis	Mild
Note: NECROSIS TGLs = 6-13			
Preputial Gland		Carcinoma	
Note: CARCINOSARCOMA IS A MORE ACCURATE DX. OF THIS NEOPLASM.			
Note: CARCINOMA TGLs = 2-8.4			
Prostate		Inflammation	Chronic Active, Moderate
Testes	Interstit Cell	Hyperplasia	Moderate
Tongue		Squamous Cell Papilloma	
Note: SQ CL PAPILLOM TGLs = 3-14			
Zymbal's Gland		Ectasia	Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 426	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 445
	DOSE: 330 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	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	Lymph Node - Mesenteric	Mammary Gland	Pancreas
Parathyroid Gland	Preputial Gland	Prostate	Salivary Glands
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

MISSING

Seminal Vesicle

OBSERVATIONS

Eye	Optic Nerve	Schwannoma Malignant	
Note: SCHWANNOMA MAL TGLs = 4-13			
Note: MASS HAS DESTROYED THE ORBIT..			
Heart		Cardiomyopathy	Chronic, Minimal
Kidney		Nephropathy	Chronic, Mild
Liver		Basophilic Focus	Mild
		Clear Cell Focus	Mild
		Eosinophilic Focus	Minimal
		Fatty Change	Mild
		Hematopoietic Cell Proliferation	Minimal
Note: FATTY CHANGE TGLs = 2-3.1			
Lung		Hyperplasia	Lymphoid, Mild
Lymph Node	Mandibular	Hyperplasia	Lymphoid, Moderate
Note: HYPERPLASIA TGLs = 3-9			
Nose	Submucosa	Schwannoma Malignant	Metastatic (Eye)
Pituitary Gland		Schwannoma Malignant	Metastatic (Eye)
Note: GLAND HAS BEEN DESTROYED..			
Note: SCHWANNOMA MAL TGLs = 5-2			
Skin		Squamous Cell Carcinoma	
		Squamous Cell Papilloma	

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 426	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 445
	DOSE: 330 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

Note: SQ CL PAPILLOM TGLs = 7,8-10.1,10.2			
Testes	Interstit Cell	Adenoma	
Note: ADENOMA TGLs = 1-8			
Zymbal's Gland		Adenoma	
		Ectasia	Moderate
		Hyperplasia	Squamous, Focal, Mild
Note: ADENOMA TGLs = 9-10			
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 427	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 560
	DOSE: 330 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	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	Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland
Nose	Pancreas	Parathyroid Gland	Pituitary Gland
Prostate	Salivary Glands	Seminal Vesicle	Stomach - Forestomach
Stomach - Glandular	Trachea	Urinary Bladder	

MISSING

Thymus

OBSERVATIONS

Heart		Cardiomyopathy	Chronic, Minimal
	Atrium	Thrombosis	
[Cardiomyopathy TGLS = 12-3]			
Kidney		Nephropathy	Chronic, Mild
Liver		Basophilic Focus	Mild
		Clear Cell Focus	Mild
		Degeneration	Cystic, Moderate
		Eosinophilic Focus	Moderate
		Regeneration	Multifocal, Marked
Lung	Alveolar Epith	Hyperplasia	Multifocal, Mild
		Hyperplasia	Lymphoid, Mild
		Infiltration Cellular	Histiocyte, Marked
Lymph Node	Deep Cervical	Carcinoma	Metastatic (Thyroid Gland)
Note: CARCINOMA TGLs = 11-13			
Pharynx	Palate	Squamous Cell Papilloma	
Note: SQ CL PAPILLOM TGLs = 14-12.1			
Preputial Gland		Ectasia	Moderate
Note: ECTASIA TGLs = 3,4-8.2			
Skin		Basal Cell Adenoma	Multiple
	Hair Follicle	Hyperplasia	Basal Cell, Focal, Moderate

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 427	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 560
	DOSE: 330 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

Note: BASAL CEL ADEN TGLs = 2,15,16,17,18,19,20-10.1,14,15			
Note: BASAL CEL ADEN TGLs = 15,16,17,18,19			
Spleen		Hematopoietic Cell Proliferation	Moderate
[Hematopoietic Cell Proliferation TGLS = 8-3]			
Testes	Bilateral, Interstit Cell	Adenoma	
Note: ADENOMA TGLs = 6,21-8,8.1			
Thyroid Gland	C Cell	Carcinoma	
[Carcinoma TGLS = 13-2]			
Zymbal's Gland		Adenoma	
		Ectasia	Moderate
Note: ADENOMA TGLs = 23-10			
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 428	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 546
	DOSE: 330 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - 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
Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Salivary Glands
Seminal Vesicle	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Benign	
Heart		Cardiomyopathy	Chronic, Mild
	Atrium	Thrombosis	
Note: THROMBUS TGLs = 8-3			
Note: CARDIOMYOPATHY TGLs = 9-3			
Kidney		Nephropathy	Chronic, Mild
Liver		Basophilic Focus	Mild
		Clear Cell Focus	Moderate
		Eosinophilic Focus	Mild
		Hematopoietic Cell Proliferation	Mild
		Regeneration	Multifocal, Marked
		Thrombosis	Moderate
Note: [HEMA CELL PROL] TGLs = 15-3.1			
Note: REGENERATION TGLs = 13,14-3.1			
Lung		Hyperplasia	Lymphoid, Mild
Preputial Gland		Carcinoma	
Note: CARCINOMA TGLs = 4-8.4			
Prostate		Inflammation	Chronic Active, Mild
Skin		Basal Cell Adenoma	Multiple
		Basal Cell Carcinoma	
	Subcut Tiss	Edema	Moderate
Note: EDEMA TGLs = 16-10.1,9			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 428	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 546
	DOSE: 330 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

Note: BASAL CEL ADEN TGLs = 17,18-10.2,10.3			
Note: BASAL CEL CARC TGLs = 19-10.4			
Spleen		Angiectasis	Focal, Moderate
		Hyperplasia	Reticulum Cell, Moderate
		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 5-3			
Note: HYPERPLASIA TGLs = 6-3			
Testes	Bilateral, Interstit Cell	Adenoma	
Note: ADENOMA TGLs = 2-8,8.1			
Zymbal's Gland		Carcinoma	
		Ectasia	Moderate
		Hyperplasia	Focal, Minimal
Note: [CARCINOMA] TGLs = 20-10			
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 429	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 534
	DOSE: 330 PPM	**DISP:** Dead	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - 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
Kidney	Lymph Node - Mandibular	Mammary Gland	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Prostate
Salivary Glands	Seminal Vesicle	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder

OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Benign	
Heart		Cardiomyopathy	Chronic, Moderate
	Atrium	Thrombosis	
Note: THROMBUS TGLs = 10,11-3			
Liver		Basophilic Focus	Minimal
		Clear Cell Focus	Mild
	Centrilobular	Degeneration	Diffuse, Moderate
		Hematopoietic Cell Proliferation	Minimal
		Necrosis	Multifocal, Mild
		Regeneration	Diffuse, Moderate
		Thrombosis	
		Vacuolization Cytoplasmic	Multifocal, Mild
Note: THROMBUS TGLs = 12-3.1			
Note: DEGEN TGLs = 7,8-3.1			
Lung		Hyperplasia	Lymphoid, Mild
Lymph Node	Mesenteric	Hyperplasia	Lymphoid, Moderate
Mesentery	Fat	Necrosis	Moderate
Note: NECROSIS TGLs = 6-14			
Preputial Gland		Ectasia	Moderate
Skin		Basal Cell Adenoma	Multiple
		Basal Cell Carcinoma	
Note: BASAL CEL ADEN TGLs = 2,3-13.1,13.2			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 429	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 534
	DOSE: 330 PPM	**DISP:** Dead	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

Note: BASAL CEL CARC TGLs = 1-13			
Spleen		Hematopoietic Cell Proliferation	Moderate
Testes		Atrophy	Marked
	Interstit Cell	Hyperplasia	Mild
Note: HYPERPLASIA TGLs = 5-8			
Note: ATROPHY TGLs = 4-8,8.1			
Zymbal's Gland		Adenoma	
		Ectasia	Moderate
Note: APPEARS TO HAVE ARISEN IN THE MEATUS..			
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 430	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 527
	DOSE: 330 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - 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
Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Preputial Gland
Prostate	Salivary Glands	Seminal Vesicle	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

OBSERVATIONS

Adrenal Gland	Cortex	Angiectasis	Multifocal, Mild
	Medulla	Hyperplasia	Multifocal, Mild
	Medulla	Pheochromocytoma Benign	
Heart		Cardiomyopathy	Chronic, Mild
	Atrium	Thrombosis	
Note: THROMBUS TGLs = 6-13			
Kidney		Nephropathy	Chronic, Minimal
Liver		Degeneration	Cystic, Mild
		Leukemia Mononuclear	
		Regeneration	Focal, Marked
Note: LEUKEMIA MONUC TGLs = 8-3.1			
Lung		Hyperplasia	Lymphoid, Mild
Lymph Node	Mediastinal	Hyperplasia	Lymphoid, Moderate
Note: HYPERPLASIA TGLs = 5-14			
Skin		Basal Cell Adenoma	Multiple
Note: BASAL CEL ADEN TGLs = 2,3-13,13.1			
Spleen		Leukemia Mononuclear	
Testes	Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Mild
Note: ADENOMA TGLs = 4-8			
Zymbal's Gland		Ectasia	Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 430	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 527
	DOSE: 330 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH	-

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 431	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 332
	DOSE: 330 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone Marrow	Brain
Epididymis	Esophagus	Intestine Large - Cecum	Intestine Large - Colon
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Prostate
Salivary Glands	Skin	Stomach - Forestomach	Stomach - Glandular
Testes	Thymus	Thyroid Gland	Trachea
Urinary Bladder	Zymbal's Gland		

MISSING

Seminal Vesicle

OBSERVATIONS

Heart		Cardiomyopathy	Chronic, Mild
Intestine Large	Rectum	Polyp Adenomatous	
Note: POLYP ADENOMAT TGLs = 5-7			
Kidney	Renal Tubule	Necrosis	Focal, Moderate
		Nephropathy	Chronic, Mild
Liver		Basophilic Focus	Minimal
		Degeneration	Cystic, Minimal
		Hematopoietic Cell Proliferation	Minimal
		Necrosis	Focal, Mild
Note: NECROSIS TGLs = 2-3.1			
Note: HYPERBASOPHILIA..			
Lung		Hyperplasia	Lymphoid, Mild
Preputial Gland		Carcinoma	
		Hyperplasia	Focal, Mild
Note: EARLY INVASION..			
Note: CARCINOMA TGLs = 1-8.2			
Spleen		Hematopoietic Cell Proliferation	Moderate

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 432	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 590
	DOSE: 330 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - 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
Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Salivary Glands
Seminal Vesicle	Spleen	Stomach - Forestomach	Stomach - Glandular
Thyroid Gland	Trachea		

MISSING

Thymus

OBSERVATIONS

Adrenal Gl			
Note: ONE ADRENAL PRESENT..			
Epididymis	Bilateral	Mesothelioma Malignant	Metastatic (Testes)
Heart	Atrium	Thrombosis	
Kidney		Nephropathy	Chronic, Mild
Liver		Clear Cell Focus	Mild
		Degeneration	Cystic, Multifocal, Marked
		Eosinophilic Focus	Mild
		Hematopoietic Cell Proliferation	Mild
	Centrilobular	Necrosis	Moderate
		Regeneration	Multifocal, Marked
Note: DEGEN TGLs = 12-3.1			
[Degeneration TGLS = 3-3.2]			
Lung		Hyperplasia	Lymphoid, Mild
Lymph Node	Mediastinal	Hyperplasia	Lymphoid, Moderate
Note: HYPERPLASIA TGLs = 15-17			
Mesentery		Mesothelioma Malignant	Metastatic (Testes)
	Fat	Necrosis	Moderate
Note: NECROSIS TGLs = 10-16			
Preputial Gland		Adenoma	

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 432	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 590
	DOSE: 330 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

Note: ADENOMA TGLs = 1-8.4			
Prostate		Hyperplasia	Glandular, Focal, Moderate
Skin		Basal Cell Adenoma	
		Basal Cell Carcinoma	
		Squamous Cell Carcinoma	
Note: [BASAL CEL CARC] TGLs = 5-13			
Note: [SQUAM CEL CARC] TGLs = 6-14			
Note: BASAL CEL ADEN TGLs = 7-15			
Testes	Bilateral, Interstit Cell	Adenoma	
	Bilateral	Mesothelioma Malignant	
Note: ADENOMA TGLs = 13-8,8.1			
Urinary Bladder		Mesothelioma Malignant	Metastatic (Testes)
Zymbal's Gland		Ectasia	Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 433	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 512
	DOSE: 330 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	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	Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland
Nose	Pancreas	Parathyroid Gland	Pituitary Gland
Prostate	Salivary Glands	Seminal Vesicle	Spleen
Stomach - Forestomach	Stomach - Glandular	Trachea	Urinary Bladder

MISSING

Thymus

OBSERVATIONS

Bone	Cranium	Carcinoma	Metastatic (Zymbal'S Gland)
Note: CARCINOMA TGLs = 11-17			
Heart		Cardiomyopathy	Chronic, Mild
Kidney		Nephropathy	Chronic, Moderate
Liver		Basophilic Focus	Moderate
		Clear Cell Focus	Moderate
		Eosinophilic Focus	Moderate
Note: CLEAR CL FOCUS TGLs = 9-3.1			
Lung		Hyperplasia	Lymphoid, Mild
Pharynx	Palate	Carcinoma	Metastatic (Zymbal'S Gland)
Note: CARCINOMA TGLs = 12-18			
Preputial Gland		Carcinoma	
		Ectasia	Moderate
Note: CARCINOMA TGLs = 5-8.2			
Skin		Basal Cell Adenoma	
		Basal Cell Carcinoma	
	Dermis	Fibrosis	Moderate
Note: BASAL CEL CARC TGLs = 4-16			
Note: BASAL CEL ADEN TGLs = 1-13			
Note: FIBROSIS TGLs = 2,3-14,15			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 433	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 512
	DOSE: 330 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

Testes	Bilateral, Interstit Cell	Adenoma	
Note: ADENOMA TGLs = 6,7-8,8.1			
Thyroid Gland	C Cell	Hyperplasia	Focal, Mild
Zymbal's Gland		Carcinoma	
		Hyperplasia	Squamous, Focal, Minimal
Note: CARCINOMA TGLs = 10-10,17,18			
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 434	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 414
	DOSE: 330 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Seminal Vesicle

OBSERVATIONS

Intestine Large	Colon, Descend Colon	Adenocarcinoma	
	Colon	Parasite Metazoan	
Note: ADENOMATOUS POLYP WITH INVASION OF THE STALK..			
[Parasite Metazoan TGLS = 7-7]			
Kidney	Renal Tubule	Necrosis	Focal, Mild
Note: NECROSIS TGLs = 5-5			
Liver		Basophilic Focus	Minimal
		Hematopoietic Cell Proliferation	Mild
	Centrilobular	Necrosis	Diffuse, Moderate
		Regeneration	Focal, Moderate
Note: A REGENERATIVE NODULE IS PRESENT..			
Note: NECROSIS TGLs = 4-3.1			
Lung		Hyperplasia	Lymphoid, Mild
Preputial Gland		Carcinoma	
		Hyperplasia	Squamous, Focal, Mild
Note: VENOUS EMBOLI ARE PRESENT..			
Note: CARCINOMA TGLs = 2-8.3			
Spleen		Hematopoietic Cell Proliferation	Marked
[Hematopoietic Cell Proliferation TGLS = 3-3]			
Stomach	Glandular	Necrosis	Focal, Moderate

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 434	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 414
	DOSE: 330 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

Note: NECROSIS TGLs = 10-6			
Testes	Interstit Cell	Hyperplasia	Mild
Zymbal's Gland		Carcinoma	
Note: CARCINOMA TGLs = 9-10			
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 435	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 585
	DOSE: 330 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Brain	Epididymis
Esophagus	Intestine Large - Cecum	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lymph Node - Mandibular
Lymph Node - Mesenteric	Mammary Gland	Pancreas	Parathyroid Gland
Pituitary Gland	Prostate	Salivary Glands	Stomach - Forestomach
Stomach - Glandular	Thymus	Trachea	Urinary Bladder

OBSERVATIONS

Bone	Cranium	Carcinoma	Metastatic (Zymbal'S Gland)
Bone Marrow		Hyperplasia	Moderate
Heart		Cardiomyopathy	Chronic, Mild
Intestine Large	Colon, Descend Colon	Polyp Adenomatous	
Note: POLYP ADENOMAT TGLs = 15-7.1			
Kidney		Nephropathy	Chronic, Minimal
Liver		Basophilic Focus	Mild
		Eosinophilic Focus	Mild
		Hematopoietic Cell Proliferation	Minimal
	Bile Duct	Hyperplasia	Mild
Lung		Foreign Body	Mild
		Inflammation	Acute, Multifocal, Marked
Note: INFLAMMATION TGLs = 5-4,4.1			
Lymph Node	Pancreatic	Hyperplasia	Reticulum Cell, Marked
Note: HYPERPLASIA TGLs = 14-20			
Nose		Foreign Body	Moderate
		Inflammation	Acute, Moderate
Pharynx		Carcinoma	Metastatic (Zymbal'S Gland)
Preputial Gland		Adenoma	
		Ectasia	Moderate
Note: ADENOMA TGLs = 1-8.4			
Seminal Vesicle		Adenoma	
Skin		Basal Cell Adenoma	Multiple

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 435	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 585
	DOSE: 330 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

		Basal Cell Carcinoma	
		Squamous Cell Carcinoma	Multiple
Note: BASAL CEL CARC TGLs = 13-19			
Note: SQUAM CEL CARC TGLs = 9,10-15,16			
Note: BASAL CEL ADEN TGLs = 8,11,12-14,17,18			
Spleen		Hematopoietic Cell Proliferation	Moderate
Testes	Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Mild
Note: ADENOMA TGLs = 2-8.1			
Note: HYPERPLASIA TGLs = 2-8			
Thyroid Gland	Follicular Cel	Adenoma	
[Adenoma TGLS = 16-2]			
Tongue		Hyperkeratosis	Focal, Mild
Note: HYPERKERATOSIS TGLs = 7-13			
Zymbal's Gland		Carcinoma	
		Ectasia	Mild
Note: CARCINOMA TGLs = 6-10,12.1			
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 436	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 536
	DOSE: 330 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Multifocal, Mild
Bone Marrow		Hyperplasia	Moderate
Heart		Cardiomyopathy	Chronic, Mild
	Atrium	Thrombosis	
Note: THROMBUS TGLs = 15-3			
Kidney		Nephropathy	Chronic, Mild
Liver		Clear Cell Focus	Minimal
		Degeneration	Cystic, Mild
		Eosinophilic Focus	Mild
	Centrilobular	Necrosis	Diffuse, Moderate
		Regeneration	Diffuse, Moderate
		Thrombosis	
Note: NECROSIS TGLs = 8-3.1			
Note: THROMBUS TGLs = 9-3.1			
Lung		Hyperplasia	Lymphoid, Mild
		Infiltration Cellular	Histiocyte, Mild
Lymph Node	Bronchial	Congestion	Moderate
	Mandibular	Congestion	Moderate
	Mediastinal	Congestion	Moderate
	Mesenteric	Congestion	Moderate
	Pancreatic	Congestion	Moderate
Note: CONGESTION TGLs = 4,6,7,16,17-9,7,13,15,16			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 436	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 536
	DOSE: 330 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

Preputial Gland		Atrophy	Moderate
Skin		Basal Cell Adenoma	Multiple
	Subcut Tiss	Edema	Moderate
		Squamous Cell Papilloma	
Note: SQ CL PAPILLOM TGLs = 13-14.3			
Note: BASAL CEL ADEN TGLs = 11,12,14-14.1,14.2,14.4			
Note: EDEMA TGLs = 10-14			
Testes	Bilateral, Interstit Cell	Adenoma	
Note: ADENOMA TGLs = 3-8,8.1			
Zymbal's Gland		Ectasia	Moderate
		Hyperplasia	Squamous, Focal, Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 437	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 476
	DOSE: 330 PPM	**DISP:** Dead	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone Marrow	Brain
Epididymis	Esophagus	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Islets, Pancreatic	Kidney	Lymph Node - Mandibular
Lymph Node - Mesenteric	Mammary Gland	Nose	Pancreas
Parathyroid Gland	Pituitary Gland	Preputial Gland	Prostate
Salivary Glands	Skin	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder

MISSING

Seminal Vesicle

AUTO PRECLUDES DIAG.

Intestine Small - Duodenum Intestine Small - Jejunum

OBSERVATIONS

Heart		Cardiomyopathy	Chronic, Mild
Intestine Small	Ileum	Adenocarcinoma	
Note: ADENOCARC TGLs = 2-6.1			
Note: MASS IS WELL DIFFERENTIATED BUT POORLY PRESERVED..			
Liver		Basophilic Focus	Minimal
		Hepatodiaphragmatic Nodule	
Note: ANOM HEPAT LOB TGLs = 5-3.1			
Lung		Hyperplasia	Lymphoid, Mild
Pharynx	Palate	Squamous Cell Papilloma	
Note: SQ CL PAPILLOM TGLs = 3-13			
Note: NEOPL.LOCATED ON EDGE OF SFT. PALATE GIVING ILLUS OF INVAS.			
Spleen		Atrophy	Moderate
[Atrophy TGLS = 1-3]			
Testes	Interstit Cell	Adenoma	
Note: ADENOMA TGLs = 6-8,8.1			
Zymbal's Gland		Ectasia	Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 438	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 423
	DOSE: 330 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Brain	Epididymis	Esophagus
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland
Pancreas	Parathyroid Gland	Pituitary Gland	Prostate
Salivary Glands	Stomach - Forestomach	Stomach - Glandular	Thyroid Gland
Trachea	Urinary Bladder		

MISSING

Seminal Vesicle	Thymus

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Focal, Mild
Bone Marrow		Myelofibrosis	Minimal
Kidney		Nephropathy	Chronic, Mild
Liver		Basophilic Focus	Mild
		Eosinophilic Focus	Mild
		Hematopoietic Cell Proliferation	Mild
		Necrosis	Coagulative, Moderate
Note: NECROSIS TGLs = 3-3.1			
Nose		Fungus	Mild
	Glands	Hyperplasia	Mild
		Inflammation	Chronic, Mild
Preputial Gland		Adenoma	
Note: ADENOMA TGLs = 1-8.3			
Skin		Basal Cell Carcinoma	
Note: BASAL CEL CARC TGLs = 5-13			
Spleen		Hematopoietic Cell Proliferation	Moderate
Note: HEMA CELL PROL TGLs = 2-3			
Testes	Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Mild
Zymbal's Gland		Hyperplasia	Squamous, Focal, Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 438	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 423
	DOSE: 330 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH	-

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 439	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 561
	DOSE: 330 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Brain	Epididymis	Esophagus
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Prostate
Salivary Glands	Seminal Vesicle	Stomach - Forestomach	Stomach - Glandular
Thyroid Gland	Trachea	Urinary Bladder	

MISSING

Thymus

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Focal, Mild
	Bilateral, Medulla	Pheochromocytoma Benign	
[Pheochromocytoma Benign TGLS = 2-2]			
Bone Marrow		Myelofibrosis	Minimal
Ear	Canal	Hyperplasia	Squamous, Focal, Moderate
Kidney		Nephropathy	Chronic, Mild
Liver		Basophilic Focus	Mild
		Clear Cell Focus	Minimal
		Degeneration	Cystic, Multifocal, Mild
		Eosinophilic Focus	Moderate
		Hematopoietic Cell Proliferation	Mild
		Neoplastic Nodule	
		Vacuolization Cytoplasmic	Multifocal, Minimal
Note: NEOPLASTIC NOD TGLs = 9-3.1			
Note: DEGEN TGLs = 8-3.1			
Lung		Hyperplasia	Lymphoid, Mild
Mesentery	Fat	Necrosis	Moderate
Note: NECROSIS TGLs = 5-13			
Preputial Gland		Ectasia	Moderate
Skin		Basal Cell Adenoma	Multiple

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 439	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 561
	DOSE: 330 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

		Basal Cell Carcinoma	
		Squamous Cell Carcinoma	
		Squamous Cell Papilloma	Multiple
Note: BASAL CEL ADEN TGLs = 13,14,15-17,18,19			
Note: [SQUAM CEL CARC] TGLs = 12-16			
Note: SQ CL PAPILLOM TGLs = 10,16-14,20			
Note: BASAL CEL CARC TGLs = 1-10.1			
Spleen		Hematopoietic Cell Proliferation	Marked
Note: HEMA CELL PROL TGLs = 7-3			
Testes	Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Mild
	Bilateral	Mesothelioma Benign	
Note: HYPERPLASIA TGLs = 17-8			
Note: ADENOMA TGLs = 4-8.1			
Tongue		Squamous Cell Papilloma	
Note: SQ CL PAPILLOM TGLs = 11-15			
Zymbal's Gland		Adenoma	
		Ectasia	Mild
Note: ADENOMA TGLs = 18-10			
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 440	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 485
	DOSE: 330 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone Marrow	Brain
Ear	Epididymis	Esophagus	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Lymph Node - Mandibular	Lymph Node - Mesenteric
Nose	Pancreas	Parathyroid Gland	Prostate
Salivary Glands	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

MISSING

Mammary Gland

OBSERVATIONS

Heart		Cardiomyopathy	Chronic, Mild
Kidney		Nephropathy	Chronic, Mild
Liver		Basophilic Focus	Mild
		Eosinophilic Focus	Moderate
		Hematopoietic Cell Proliferation	Mild
		Neoplastic Nodule	
Note: [NEOPLASTIC NOD] TGLs = 15-3.1			
Lung		Hyperplasia	Lymphoid, Minimal
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA TGLs = 8-2			
Preputial Gland		Hyperplasia	Squamous, Focal, Mild
Note: HYPERPLASIA TGLs = 1-8.2			
Seminal Vesicle		Atrophy	Moderate
Note: ATROPHY TGLs = 5-8.3			
Skin		Basal Cell Adenoma	Multiple
		Basal Cell Carcinoma	
		Squamous Cell Carcinoma	
Note: SQUAM CEL CARC TGLs = 10-14			
Note: BASAL CEL ADEN TGLs = 9,11-13,15			
Note: BASAL CEL CARC TGLs = 13-17			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 440	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 485
	DOSE: 330 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

Spleen		Hematopoietic Cell Proliferation	Moderate
		Hyperplasia	Reticulum Cell, Moderate
Note: HEMA CELL PROL TGLs = 6-3			
Note: HYPERPLASIA TGLs = 7-3			
Testes	Interstit Cell	Adenoma	
		Atrophy	Moderate
Note: ADENOMA TGLs = 2,4-8.1			
Note: ATROPHY TGLs = 3-8			
Zymbal's Gland		Carcinoma	
		Ectasia	Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 441	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 424
	DOSE: 330 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland	Seminal Vesicle

OBSERVATIONS

Bone	Cranium	Carcinoma	Metastatic (Zymbal'S Gland)
Heart		Cardiomyopathy	Chronic, Mild
Kidney	Transit Epithe	Hyperplasia	Focal, Mild
		Nephropathy	Chronic, Mild
Liver		Basophilic Focus	Minimal
		Clear Cell Focus	Minimal
		Degeneration	Cystic, Focal, Mild
		Eosinophilic Focus	Mild
		Granuloma	Mild
Note: DEGEN TGLs = 1-3.1			
Lung		Hyperplasia	Lymphoid, Mild
Preputial Gland		Ectasia	Mild
Skin	Subcut Tiss	Neurofibroma	
Note: NEUROFIBROMA TGLs = 3-13			
Testes	Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Minimal
Zymbal's Gland	Bilateral	Carcinoma	
Note: CARCINOMA TGLs = 4,5-10			

PRIMARY CAUSE OF DEATH	-

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 442	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 521
	DOSE: 330 PPM	**DISP:** Dead	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone Marrow	Brain
Epididymis	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Islets, Pancreatic
Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland	Pancreas
Parathyroid Gland	Pituitary Gland	Salivary Glands	Seminal Vesicle
Stomach - Glandular	Thyroid Gland	Trachea	Urinary Bladder

MISSING

Thymus

OBSERVATIONS

Esophagus		Inflammation	Acute, Moderate
Intestine Small	Jejunum	Adenocarcinoma	Cystic, Mucinous
	Jejunum	Necrosis	Focal, Marked
Note: ADENOCARC TGLs = 8-6.1			
Note: NECROSIS TGLs = 7-6.1			
Kidney		Nephropathy	Chronic, Minimal
Liver		Basophilic Focus	Moderate
		Degeneration	Cystic, Focal, Mild
		Vacuolization Cytoplasmic	Focal, Moderate
Note: HYPERBASOPHILIA..			
Note: VACUOLIZ CYTO TGLs = 5-3.1			
Lung	Mediastinum	Inflammation	Acute, Marked
		Thrombosis	Mild
[Thrombosis TGLS = 6-9]			
Nose		Fungus	Moderate
Preputial Gland		Adenoma	
Note: ADENOMA TGLs = 1-8.2			
Prostate		Inflammation	Chronic Active, Moderate
Skin		Basal Cell Adenoma	
Note: BASAL CEL ADEN TGLs = 9-13			
Spleen		Hematopoietic Cell Proliferation	Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 442	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 521
	DOSE: 330 PPM	**DISP:** Dead	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

Stomach	Forestomach	Ulcer	Moderate
Testes	Bilateral, Interstit Cell	Adenoma	
Zymbal's Gland		Ectasia	Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 443	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 477
	DOSE: 330 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - 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
Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Salivary Glands
Seminal Vesicle	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

OBSERVATIONS

Epididymis	Bilateral	Mesothelioma Malignant	Metastatic (Testes)
Heart		Cardiomyopathy	Chronic, Minimal
Kidney		Nephropathy	Chronic, Mild
Liver		Basophilic Focus	Mild
	Centrilobular	Degeneration	Diffuse, Moderate
		Hematopoietic Cell Proliferation	Minimal
	Centrilobular	Necrosis	Diffuse, Marked
		Regeneration	Focal, Moderate
Note: NECROSIS TGLs = 5-3.1			
Lung		Hyperplasia	Lymphoid, Minimal
Preputial Gland		Carcinoma	
		Hyperplasia	Focal, Moderate
Note: CARCINOMA TGLs = 1-8.4			
Prostate		Inflammation	Chronic Active, Mild
Skin		Basal Cell Carcinoma	
Note: BASAL CEL CARC TGLs = 2-13			
Spleen		Hematopoietic Cell Proliferation	Moderate
Testes	Interstit Cell	Adenoma	
	Bilateral	Mesothelioma Malignant	
Zymbal's Gland		Carcinoma	
Note: CARCINOMA TGLs = 3-10			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 444	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 506
	DOSE: 330 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Brain	Cerebrum	Astrocytoma Malignant	
[Astrocytoma Malignant TGLS = 13-1]			
Kidney		Nephropathy	Chronic, Minimal
Liver		Basophilic Focus	Mild
		Degeneration	Cystic, Multifocal, Mild
		Eosinophilic Focus	Mild
		Hepatodiaphragmatic Nodule	
Note: ANOM HEPAT LOB TGLs = 9-3.1			
Note: DEGEN TGLs = 8-3.1			
Nose		Fungus	Moderate
Preputial Gland		Atrophy	Moderate
		Ectasia	Marked
		Hyperplasia	Focal, Mild
Note: ECTASIA TGLs = 1-8.2			
Skin	Sebaceous Gl	Adenoma	
		Basal Cell Adenoma	Multiple
	Prepuce	Hemorrhage	Moderate
		Squamous Cell Carcinoma	
Note: BASAL CEL ADEN TGLs = 7,10-13,15			
Note: ADENOMA TGLs = 12-16			
Note: SQUAM CEL CARC TGLs = 11-14			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 444	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 506
	DOSE: 330 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

Note: HEMORRHAGE TGLs = 4-17			
Spleen		Hyperplasia	Reticulum Cell, Moderate
Testes	Interstit Cell	Hyperplasia	Minimal
Zymbal's Gland		Adenoma	
		Ectasia	Moderate
Note: ADENOMA TGLs = 6-10			
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 445	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 483
	DOSE: 330 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	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	Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland
Parathyroid Gland	Prostate	Salivary Glands	Seminal Vesicle
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

OBSERVATIONS

Heart		Cardiomyopathy	Chronic, Mild
	Atrium	Thrombosis	
Kidney		Nephropathy	Chronic, Mild
Liver		Basophilic Focus	Mild
		Degeneration	Cystic, Multifocal, Moderate
		Eosinophilic Focus	Marked
		Fatty Change	Mild
		Hematopoietic Cell Proliferation	Mild
		Thrombosis	Minimal
Note: DEGEN TGLs = 3-3.1			
Note: DEGEN TGLs = 2-3.1			
Lung		Hyperplasia	Lymphoid, Minimal
Nose		Fungus	Moderate
Pancreas		Degeneration	Mild
Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 4-2]			
Preputial Gland		Ectasia	Moderate
Note: ECTASIA TGLs = 1-8.2			
Skin		Basal Cell Adenoma	Multiple
		Basal Cell Carcinoma	Multiple
	Subcut Tiss	Fibroma	
Note: BASAL CEL ADEN TGLs = 6,7,10-14,15,18			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 445	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 483
	DOSE: 330 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

Note: BASAL CEL CARC TGLs = 5,9-13,17			
Note: FIBROMA TGLs = 8-16			
Spleen		Hematopoietic Cell Proliferation	Moderate
Testes	Interstit Cell	Hyperplasia	Minimal
Zymbal's Gland		Ectasia	Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 446	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 425
	DOSE: 330 PPM	**DISP:** Dead	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone Marrow	Brain
Epididymis	Esophagus	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lymph Node - Mandibular
Lymph Node - Mesenteric	Mammary Gland	Nose	Pancreas
Parathyroid Gland	Pituitary Gland	Prostate	Salivary Glands
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder
Zymbal's Gland			

MISSING

Seminal Vesicle

OBSERVATIONS

Heart		Cardiomyopathy	Chronic, Moderate
Intestine Large	Cecum	Adenocarcinoma	Cystic, Mucinous
	Colon	Parasite Metazoan	
Note: ADENOCARC TGLs = 5-6.1			
Kidney		Nephropathy	Chronic, Minimal
Liver		Basophilic Focus	Mild
		Necrosis	Focal, Mild
Lung		Hyperplasia	Lymphoid, Mild
Preputial Gland		Adenoma	
		Ectasia	Mild
		Hyperplasia	Focal, Mild
Note: ADENOMA TGLs = 1-8.3			
Testes	Bilateral, Interstit Cell	Adenoma	

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 447	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 304
	DOSE: 330 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Seminal Vesicle

OBSERVATIONS

Heart		Cardiomyopathy	Chronic, Mild
Kidney		Nephropathy	Chronic, Mild
Liver		Basophilic Focus	Mild
		Clear Cell Focus	Mild
		Eosinophilic Focus	Mild
		Hematopoietic Cell Proliferation	Minimal
Lung		Carcinoma	Metastatic (Zymbal'S Gland)
		Hyperplasia	Lymphoid, Mild
Note: CARCINOMA TGLs = 4,5,6-4,4.1			
Lymph Node	Mandibular	Hyperplasia	Lymphoid, Mild
	Mesenteric	Hyperplasia	Reticulum Cell, Mild
Note: HYPERPLASIA TGLs = 1-9			
Nose		Fungus	Mild
		Inflammation	Acute, Mild
Zymbal's Gland		Carcinoma	
Note: CARCINOMA TGLs = 3-10.1			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 448	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 541
	DOSE: 330 PPM	**DISP:** Dead	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - 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
Lymph Node - Mandibular	Mammary Gland	Nose	Pancreas
Parathyroid Gland	Pituitary Gland	Preputial Gland	Prostate
Salivary Glands	Seminal Vesicle	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Multifocal, Mild
Heart		Cardiomyopathy	Chronic, Moderate
	Atrium	Thrombosis	
Note: THROMBUS TGLs = 14-3			
Kidney		Nephropathy	Chronic, Mild
Liver		Clear Cell Focus	Minimal
		Degeneration	Cystic, Multifocal, Mild
		Eosinophilic Focus	Marked
		Hematopoietic Cell Proliferation	Mild
		Neoplastic Nodule	
Note: DEGEN TGLs = 5-3.1			
Note: NEOPLASTIC NOD TGLs = 6-3.1			
Lung		Hyperplasia	Lymphoid, Moderate
		Infiltration Cellular	Histiocyte, Mild
Lymph Node	Mediastinal	Hyperplasia	Lymphoid, Moderate
	Mesenteric	Hyperplasia	Lymphoid, Moderate
Note: HYPERPLASIA TGLs = 4-13			
Skin		Basal Cell Adenoma	Multiple
Note: BASAL CEL ADEN TGLs = 7,8,9-14,14.1,14.2			
Spleen		Hemangiosarcoma	
		Hematopoietic Cell Proliferation	Marked
Note: HEMANGIOSARC TGLs = 11,12,13-3,3.2			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 448	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 541
	DOSE: 330 PPM	**DISP:** Dead	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

Note: HEMA CELL PROL TGLs = 10-3			
Testes	Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Mild
Note: ADENOMA TGLs = 2-8			
Zymbal's Gland		Carcinoma	
		Ectasia	Mild
Note: CARCINOMA TGLs = 15-10			
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 449	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 337
	DOSE: 330 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	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
Lymph Node - Mandibular	Mammary Gland	Nose	Pancreas
Parathyroid Gland	Pituitary Gland	Prostate	Salivary Glands
Seminal Vesicle	Stomach - Forestomach	Stomach - Glandular	Testes
Thymus	Thyroid Gland	Trachea	Urinary Bladder

OBSERVATIONS

Adrenal Gland	Cortex	Vacuolization Cytoplasmic	Diffuse, Mild
Heart		Cardiomyopathy	Chronic, Mild
	Atrium	Thrombosis	
Kidney		Nephropathy	Chronic, Minimal
	Renal Tubule	Pigmentation	Minimal
Liver		Basophilic Focus	Mild
		Clear Cell Focus	Minimal
	Centrilobular	Degeneration	Diffuse, Mild
		Hematopoietic Cell Proliferation	Minimal
	Bile Duct	Hyperplasia	Mild
		Thrombosis	Mild
Note: HYPERBASOPHILIA..			
Note: THROMBUS TGLs = 7-3.2			
Lung		Hyperplasia	Lymphoid, Mild
Lymph Node	Mesenteric	Hyperplasia	Reticulum Cell, Mild
Mesentery	Fat	Necrosis	Mild
Note: NECROSIS TGLs = 1-13			
Pharynx	Mucosa	Carcinoma	Metastatic (Skin)
Preputial Gland		Atrophy	Mild
Skin	Sebaceous Gl	Carcinoma	
Note: CARCINOMA TGLs = 5-12.2			
Spleen		Hematopoietic Cell Proliferation	Moderate

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 449	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 337
	DOSE: 330 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

Note: HEMA CELL PROL	TGLs = 2-3		
Zymbal's Gland		Ectasia	Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 450	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 401
	DOSE: 330 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone Marrow	Brain
Epididymis	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Salivary Glands
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder
Zymbal's Gland			

MISSING

Seminal Vesicle

OBSERVATIONS

Esophagus		Hyperkeratosis	Moderate
Heart		Cardiomyopathy	Chronic, Mild
Kidney		Nephropathy	Chronic, Mild
Note: NEPHROPATHY TGLs = 2-5			
Liver		Basophilic Focus	Mild
		Clear Cell Focus	Minimal
		Degeneration	Cystic, Minimal
		Eosinophilic Focus	Mild
		Granuloma	Moderate
Note: PATCHY STAINING..			
Lung		Hyperplasia	Lymphoid, Mild
Preputial Gland		Carcinoma	
		Ectasia	Mild
Note: CARCINOMA SHOWS DISORGANIZATION..			
Note: CARCINOMA TGLs = 1-8.2			
Prostate		Inflammation	Chronic Active, Mild
Testes	Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Mild
Tongue		Squamous Cell Carcinoma	

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 450	**TRT#:** 7	**SEX:** Male	**DAY ON TEST:** 401
	DOSE: 330 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

Note: SQUAM CEL CARC TGLs = 3-13

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 81	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 648
	DOSE: CONTROL	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow	Esophagus	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Lymph Node - Mandibular	Lymph Node - Mesenteric
Nose	Ovary	Pancreas	Parathyroid Gland
Salivary Glands	Skin	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder
Uterus	Zymbal's Gland		

OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Focal, Mild
	Medulla	Hyperplasia	Focal, Minimal
Brain	Cerebrum	Compression	
Note: COMPRESSION TGLs = 4-1			
Clitoral Gland		Carcinoma	
Note: CARCINOMA TGLs = 2-13			
Kidney		Nephropathy	Chronic, Moderate
Note: NEPHROPATHY TGLs = 3-5			
Liver		Basophilic Focus	Mild
		Hematopoietic Cell Proliferation	Minimal
Lung		Hyperplasia	Lymphoid, Mild
Mammary Gland		Adenocarcinoma	
Note: ADENOCARC TGLs = 1-8.2			
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA TGLs = 5-2.1			
Spleen		Hematopoietic Cell Proliferation	Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 82	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 648
	DOSE: CONTROL	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - 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	Lymph Node - Mandibular	Lymph Node - Mesenteric
Mammary Gland	Nose	Ovary	Parathyroid Gland
Salivary Glands	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Trachea
Urinary Bladder	Uterus	Zymbal's Gland	

OBSERVATIONS

Kidney		Nephropathy	Chronic, Mild
Liver		Basophilic Focus	Mild
		Granuloma	Mild
Lung		Hyperplasia	Lymphoid, Mild
Pancreas		Atrophy	Mild
Pituitary Gland	Pars Distalis	Cyst	
[Cyst TGLS = 1-2]			

PRIMARY CAUSE OF DEATH -

Animal Note: A

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 83	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 648
	DOSE: CONTROL	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - 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	Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland
Nose	Ovary	Pancreas	Parathyroid Gland
Salivary Glands	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Trachea	Urinary Bladder	Zymbal's Gland

MISSING

Thymus

OBSERVATIONS

Heart		Cardiomyopathy	Chronic, Mild
Kidney		Nephropathy	Chronic, Minimal
Liver		Basophilic Focus	Moderate
Lung		Hyperplasia	Lymphoid, Mild
Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Cyst	
Note: ADENOMA TGLs = 2-2			
Thyroid Gland	C Cell	Hyperplasia	Focal, Mild
Uterus	Cervix	Fibrosis	Moderate
Note: FIBROSIS TGLs = 1-8.1			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 84	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 648
	DOSE: CONTROL	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - 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
Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland	Nose
Ovary	Pancreas	Parathyroid Gland	Salivary Glands
Skin	Stomach - Forestomach	Stomach - Glandular	Thymus
Trachea	Urinary Bladder	Zymbal's Gland	

OBSERVATIONS

Clitoral Gland		Carcinoma	
		Hyperplasia	Focal, Moderate
Note: CARCINOMA..DISORGANIZED GROWTH..			
Heart		Cardiomyopathy	Chronic, Mild
Kidney		Nephropathy	Chronic, Mild
Liver		Basophilic Focus	Moderate
		Leukemia Mononuclear	
Lung		Hyperplasia	Lymphoid, Mild
Pituitary Gland	Pars Distalis	Cyst	
Note: CYST TGLs = 3-2			
Spleen		Leukemia Mononuclear	
Thyroid Gland	C Cell	Hyperplasia	Focal, Minimal
Uterus		Sarcoma Stromal	
Note: SARC STROMAL TGLs = 1-8.1			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 85	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 402
	DOSE: CONTROL	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - 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	Liver	Mammary Gland
Nose	Ovary	Pancreas	Parathyroid Gland
Salivary Glands	Skin	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder
Uterus			

OBSERVATIONS

Kidney	Renal Tubule	Pigmentation	Minimal
Note: PIGMENT TGLs = 3-5			
Lung		Hyperplasia	Lymphoid, Mild
Lymph Node	Mandibular	Hyperplasia	Lymphoid, Moderate
	Mediastinal	Hyperplasia	Lymphoid, Moderate
	Mesenteric	Hyperplasia	Reticulum Cell, Mild
Note: HYPERPLASIA TGLs = 1-9			
Note: HYPERPLASIA TGLs = 5-9			
Pituitary Gland	Pars Distalis	Cyst	
Spleen		Hematopoietic Cell Proliferation	Mild
Zymbal's Gland		Carcinoma	
Note: CARCINOMA TGLs = 4-10.1			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 86	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 648
	DOSE: CONTROL	**DISP:** Terminal Sacrifice	**HISTO:**

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	Lymph Node - Mandibular
Lymph Node - Mesenteric	Mammary Gland	Nose	Ovary
Pancreas	Parathyroid Gland	Salivary Glands	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	Zymbal's Gland

OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Focal, Mild
	Medulla	Hyperplasia	Focal, Minimal
Bone	Sternum	Osteopetrosis	Moderate
Heart		Cardiomyopathy	Chronic, Mild
Kidney		Nephropathy	Chronic, Moderate
Liver		Basophilic Focus	Moderate
		Degeneration	Cystic, Minimal
		Eosinophilic Focus	Mild
	Bile Duct	Hyperplasia	Mild
Lung		Hyperplasia	Lymphoid, Mild
Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3,4-2]			
Uterus	Cervix	Fibrosis	Moderate
Note: FIBROSIS TGLs = 1-8.1			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 87	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 624
	DOSE: CONTROL	**DISP:** Dead	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - 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	Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland
Nose	Ovary	Pancreas	Parathyroid Gland
Salivary Glands	Skin	Stomach - Forestomach	Stomach - Glandular
Thymus	Trachea	Urinary Bladder	Uterus
Zymbal's Gland			

OBSERVATIONS

Heart		Cardiomyopathy	Chronic, Mild
Kidney		Nephropathy	Chronic, Minimal
Liver		Basophilic Focus	Mild
Lung		Hyperplasia	Lymphoid, Mild
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA TGLs = 3-2			
Spleen		Pigmentation	Mild
Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 88	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 648
	DOSE: CONTROL	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - 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	Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose
Ovary	Pancreas	Parathyroid Gland	Salivary Glands
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder
Uterus	Zymbal's Gland		

OBSERVATIONS

Heart		Cardiomyopathy	Chronic, Mild
Kidney		Nephropathy	Chronic, Mild
Liver		Basophilic Focus	Minimal
Lung		Hyperplasia	Lymphoid, Mild
Mammary Gland		Fibroadenoma	
Note: FIBROADENOMA TGLs = 1-10.1			
Pituitary Gland	Pars Distalis	Cyst	

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 89	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 648
	DOSE: CONTROL	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	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
Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose	Ovary
Pancreas	Parathyroid Gland	Salivary Glands	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Thyroid Gland
Trachea	Urinary Bladder	Uterus	Zymbal's Gland

MISSING

Thymus

OBSERVATIONS

Brain	Cerebrum	Carcinoma	Metastatic (Pituitary Gland)
	Cerebrum	Compression	
[Compression TGLS = 2-1]			
Heart		Cardiomyopathy	Chronic, Minimal
Kidney		Nephropathy	Chronic, Marked
Note: NEPHROPATHY TGLs = 1-5			
Liver		Basophilic Focus	Minimal
		Eosinophilic Focus	Moderate
		Granuloma	Mild
Lung		Hyperplasia	Lymphoid, Mild
Mammary Gland	Duct	Ectasia	Moderate
Pharynx	Palate	Squamous Cell Papilloma	
Note: SQ CL PAPILLOM TGLs = 4-12.1			
Pituitary Gland	Pars Distalis	Carcinoma	
[Carcinoma TGLS = 3-2.1]			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 90	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 624
	DOSE: CONTROL	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Brain	Esophagus	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Kidney	Mammary Gland
Nose	Ovary	Pancreas	Parathyroid Gland
Pituitary Gland	Skin	Thymus	Trachea
Urinary Bladder	Uterus		

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Focal, Mild
	Cortex	Leukemia Mononuclear	
	Medulla	Leukemia Mononuclear	
Bone Marrow		Hypoplasia	Moderate
		Leukemia Mononuclear	
Clitoral Gland		Atrophy	Moderate
		Ectasia	Moderate
Note: ECTASIA TGLs = 2-8			
Liver		Hepatodiaphragmatic Nodule	
		Leukemia Mononuclear	
	Centrilobular	Necrosis	Mild
		Regeneration	Diffuse, Mild
Note: ANOM HEPAT LOB TGLs = 3-3.1			
Note: LEUKEMIA MONUC TGLs = 4-3.1			
Lung		Leukemia Mononuclear	
Lymph Node	Mandibular	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
Salivary Glands		Atrophy	Moderate
Spleen		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 1-3			
Stomach	Forestomach	Leukemia Mononuclear	
	Glandular	Leukemia Mononuclear	
Thyroid Gland	C Cell	Hyperplasia	Focal, Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 90	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 624
	DOSE: CONTROL	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

Zymbal's Gland	Ectasia	Minimal
PRIMARY CAUSE OF DEATH	-	

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 91	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 648
	DOSE: CONTROL	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - 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	Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland
Nose	Ovary	Pancreas	Parathyroid Gland
Salivary Glands	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Trachea
Urinary Bladder	Zymbal's Gland		

OBSERVATIONS

Heart		Cardiomyopathy	Chronic, Mild
Kidney		Nephropathy	Chronic, Mild
Liver		Basophilic Focus	Moderate
Lung		Hyperplasia	Lymphoid, Mild
Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
Note: [HYPERPLASIA] TGLs = 2-2			
Uterus		Hydrometra	Moderate
Note: HYDROMETRA TGLs = 1-8			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 92	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 648
	DOSE: CONTROL	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - 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	Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose
Ovary	Pancreas	Parathyroid Gland	Pituitary Gland
Salivary Glands	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Trachea
Urinary Bladder	Uterus		

OBSERVATIONS

Heart		Cardiomyopathy	Chronic, Mild
Kidney		Nephropathy	Chronic, Mild
Liver		Basophilic Focus	Minimal
		Granuloma	Mild
Lung		Hyperplasia	Lymphoid, Mild
Mammary Gland	Duct	Ectasia	Moderate
		Fibroadenoma	
Note: ECTASIA TGLs = 4-10			
Note: FIBROADENOMA TGLs = 1-13			
Zymbal's Gland		Ectasia	Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 93	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 648
	DOSE: CONTROL	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	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
Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose	Pancreas
Parathyroid Gland	Salivary Glands	Skin	Stomach - Forestomach
Stomach - Glandular	Thyroid Gland	Trachea	Urinary Bladder
Uterus	Zymbal's Gland		

MISSING

Thymus

OBSERVATIONS

Brain	Cerebrum	Compression	
[Compression TGLS = 4-1]			
Heart		Cardiomyopathy	Chronic, Mild
Kidney		Nephropathy	Chronic, Minimal
Liver		Basophilic Focus	Mild
		Granuloma	Mild
Lung		Hyperplasia	Lymphoid, Mild
Mammary Gland	Duct	Ectasia	Moderate
		Fibroadenoma	
Note: ECTASIA TGLs = 6-10.1			
Note: FIBROADENOMA TGLs = 1-13			
Ovary		Cyst	
Note: CYST TGLs = 2-8			
Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 5-2.1]			
Spleen		Pigmentation	Moderate

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 94	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 648
	DOSE: CONTROL	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - 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	Kidney	Lymph Node - Mandibular	Lymph Node - Mesenteric
Nose	Ovary	Pancreas	Parathyroid Gland
Salivary Glands	Skin	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder
Uterus	Zymbal's Gland		

OBSERVATIONS

Heart		Cardiomyopathy	Chronic, Mild
Liver		Basophilic Focus	Mild
		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 1-3.1			
Note: LEUKEMIA IS VERY EARLY..			
Lung		Hyperplasia	Lymphoid, Mild
Mammary Gland	Duct	Ectasia	Moderate
Pituitary Gland	Pars Distalis	Cyst	
[Cyst TGLS = 2-2]			
Spleen		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 95	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 648
	DOSE: CONTROL	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - 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	Lymph Node - Mandibular	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
Zymbal's Gland			

OBSERVATIONS

Kidney	Nephropathy	Chronic, Mild
Liver	Basophilic Focus	Mild
Lung	Hyperplasia	Lymphoid, Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 96	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 648
	DOSE: CONTROL	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone Marrow	Brain	Esophagus
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lymph Node - Mandibular
Lymph Node - Mesenteric	Nose	Ovary	Pancreas
Parathyroid Gland	Salivary Glands	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder	Zymbal's Gland	

OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Benign	
Clitoral Gland		Ectasia	Moderate
Heart		Cardiomyopathy	Chronic, Mild
Kidney		Nephropathy	Chronic, Mild
Liver		Basophilic Focus	Moderate
		Clear Cell Focus	Minimal
Lung		Hyperplasia	Lymphoid, Mild
Mammary Gland		Galactocele	
Note: GALACTOCELE TGLs = 1-13			
Mesentery	Fat	Necrosis	Moderate
Note: NECROSIS TGLs = 3-14			
Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 4-2]			
Uterus		Polyp Stromal	
Note: POLYP STROMAL TGLs = 2-8.1			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 97	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 648
	DOSE: CONTROL	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - 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
Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose	Ovary
Pancreas	Parathyroid Gland	Salivary Glands	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus
Trachea	Urinary Bladder	Zymbal's Gland	

OBSERVATIONS

Clitoral Gland		Adenoma	
Heart		Cardiomyopathy	Chronic, Mild
Kidney		Nephropathy	Chronic, Minimal
Liver		Basophilic Focus	Mild
Lung	Alveolar Epith	Hyperplasia	Focal, Minimal
		Hyperplasia	Lymphoid, Mild
Mammary Gland	Duct	Ectasia	Moderate
		Fibroadenoma	
Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
Note: HYPERPLASIA TGLs = 2-2			
Thyroid Gland	C Cell	Hyperplasia	Focal, Minimal
Uterus	Cervix	Fibrosis	Mild
Note: FIBROSIS TGLs = 1-8.1			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 98	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 648
	DOSE: CONTROL	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	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
Lymph Node - Mesenteric	Nose	Ovary	Pancreas
Parathyroid Gland	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Trachea
Urinary Bladder	Uterus	Zymbal's Gland	

MISSING

Lymph Node - Mandibular	Salivary Glands

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Focal, Mild
Heart		Cardiomyopathy	Chronic, Minimal
Kidney		Nephropathy	Chronic, Minimal
Liver		Basophilic Focus	Mild
		Hepatodiaphragmatic Nodule	
[Basophilic Focus TGLS = 3-3.1]			
Lung		Hyperplasia	Lymphoid, Mild
Mammary Gland	Duct	Ectasia	Moderate
		Fibroadenoma	
Note: FIBROADENOMA TGLs = 1-13			
Mesentery	Fat	Necrosis	Moderate
Note: NECROSIS TGLs = 2-14			
Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
Note: HYPERPLASIA TGLs = 4-2			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 99	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 574
	DOSE: CONTROL	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	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	Kidney	Mammary Gland	Nose
Ovary	Pancreas	Parathyroid Gland	Salivary Glands
Skin	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	Uterus

OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Benign	
Liver		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 3-3.1			
Lung		Leukemia Mononuclear	
Lymph Node	Mandibular	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 4,8-13,14			
Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Cyst	Marked
Note: ADENOMA TGLs = 5-2			
Spleen		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 7-3			
Zymbal's Gland		Ectasia	Moderate

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 100	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 631
	DOSE: CONTROL	**DISP:** Dead	**HISTO:**

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	Nose	Pancreas
Parathyroid Gland	Pituitary Gland	Salivary Glands	Skin
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder	Uterus	Zymbal's Gland

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Multifocal, Minimal
	Cortex	Leukemia Mononuclear	
	Medulla	Leukemia Mononuclear	
Clitoral Gland		Ectasia	Moderate
Note: ECTASIA TGLs = 1-8			
Heart		Leukemia Mononuclear	
Kidney		Leukemia Mononuclear	
Liver		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 3-3.1			
Lung		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 4-4,4.1			
Lymph Node	Mandibular	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 2,5,8,9-7,13,15,16,6			
Ovary		Leukemia Mononuclear	
Spleen		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 7-3			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 101	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 648
	DOSE: CONTROL	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - 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	Lymph Node - Mandibular	Lymph Node - Mesenteric
Mammary Gland	Nose	Ovary	Parathyroid Gland
Salivary Glands	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Trachea
Urinary Bladder	Zymbal's Gland		

OBSERVATIONS

Kidney		Nephropathy	Chronic, Mild
Liver		Basophilic Focus	Mild
		Eosinophilic Focus	Mild
Lung		Hyperplasia	Lymphoid, Moderate
Pancreas		Atrophy	Mild
Pituitary Gland	Pars Distalis	Cyst	
[Cyst TGLS = 2-2]			
Uterus		Cyst	
Note: CYST TGLs = 3-8.1			
Note: FILLED WITH KERATIN,DEBRIS,AND POLYMORPHS..			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 102	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 648
	DOSE: CONTROL	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - 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	Lymph Node - Mesenteric
Mammary Gland	Ovary	Pancreas	Parathyroid Gland
Salivary Glands	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Thyroid Gland	Trachea	Urinary Bladder
Zymbal's Gland			

MISSING

Thymus

OBSERVATIONS

Adrenal Gland	Cortex	Hypertrophy	Focal, Mild
	Cortex	Vacuolization Cytoplasmic	Focal, Mild
Clitoral Gland		Ectasia	Moderate
Heart		Cardiomyopathy	Chronic, Minimal
Kidney		Nephropathy	Chronic, Minimal
Liver		Basophilic Focus	Minimal
		Granuloma	Mild
Lung		Hyperplasia	Lymphoid, Mild
Lymph Node	Mandibular	Hyperplasia	Lymphoid, Moderate
Nose		Inflammation	Acute, Mild
Pituitary Gland	Pars Distalis	Cyst	
[Cyst TGLS = 2-2]			
Uterus	Cervix	Fibrosis	Moderate
Note: FIBROSIS TGLs = 1-8.1			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 103	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 602
	DOSE: CONTROL	**DISP:** Moribund	**HISTO:**

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	Lung
Lymph Node - Mandibular	Nose	Ovary	Parathyroid Gland
Pituitary Gland	Salivary Glands	Skin	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

OBSERVATIONS

Adrenal Gland	Cortex	Leukemia Mononuclear	
	Medulla	Leukemia Mononuclear	
Clitoral Gland		Atrophy	Moderate
Kidney		Nephropathy	Chronic, Minimal
Liver		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 6-3.1			
Lymph Node	Mediastinal	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 5-14			
Mammary Gland		Galactocele	
Note: GALACTOCELE TGLs = 2-13			
Pancreas		Leukemia Mononuclear	
Spleen		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 4-3			
Uterus		Hydrometra	Mild
Zymbal's Gland		Ectasia	Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 104	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 528
	DOSE: CONTROL	**DISP:** Dead	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - 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	Kidney	Lymph Node - Mandibular
Lymph Node - Mesenteric	Nose	Ovary	Pancreas
Parathyroid Gland	Pituitary Gland	Salivary Glands	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Uterus	Zymbal's Gland

OBSERVATIONS

Liver		Basophilic Focus	Minimal
	Centrilobular	Degeneration	Minimal
Lung		Hyperplasia	Lymphoid, Mild
Mammary Gland	Duct	Ectasia	Moderate
Note: ECTASIA TGLs = 3-10			
Urinary Bladder		Hemorrhage	Marked
Note: HEMORRHAGE TGLs = 1-8			
Vagina		Thrombosis	Multiple, Moderate
Note: THROMBUS TGLs = 2-8.1			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 105	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 648
	DOSE: CONTROL	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - 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	Mammary Gland	Nose
Ovary	Pancreas	Parathyroid Gland	Salivary Glands
Skin	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	Uterus
Zymbal's Gland			

OBSERVATIONS

Kidney		Nephropathy	Chronic, Minimal
Liver		Basophilic Focus	Mild
		Leukemia Mononuclear	
		Regeneration	Diffuse, Mild
[Leukemia Mononuclear TGLS = 3-3.1]			
Lung		Hyperplasia	Lymphoid, Mild
Lymph Node	Mandibular	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
Pituitary Gland	Pars Distalis	Angiectasis	Mild
Note: ANGIECTASIS TGLs = 2-2			
Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-3.2]			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 106	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 578
	DOSE: CONTROL	**DISP:** Moribund	**HISTO:**

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	Lymph Node - Mandibular	Lymph Node - Mesenteric
Mammary Gland	Nose	Ovary	Pancreas
Parathyroid Gland	Pituitary Gland	Salivary Glands	Skin
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder	Uterus	Zymbal's Gland

OBSERVATIONS

Adrenal Gland	Cortex	Leukemia Mononuclear	
	Medulla	Leukemia Mononuclear	
Bone Marrow		Hyperplasia	Mild
Heart		Leukemia Mononuclear	
Kidney		Leukemia Mononuclear	
	Renal Tubule	Pigmentation	Marked
Note: PIGMENT TGLs = 3-5			
Liver		Leukemia Mononuclear	
		Regeneration	Diffuse, Mild
Note: LEUKEMIA MONUC TGLs = 5,6-3.1			
Lung		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 7-4,4.1			
Mesentery	Fat	Necrosis	Mild
Note: NECROSIS TGLs = 1-13			
Spleen		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 8,9-3			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 107	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 648
	DOSE: CONTROL	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone Marrow	Brain
Esophagus	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric
Mammary Gland	Nose	Ovary	Pancreas
Parathyroid Gland	Salivary Glands	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder	Uterus	Zymbal's Gland

OBSERVATIONS

Clitoral Gland		Adenoma	
Kidney		Nephropathy	Chronic, Moderate
Liver		Basophilic Focus	Mild
		Clear Cell Focus	Mild
		Granuloma	Mild
		Vacuolization Cytoplasmic	Multifocal, Mild
Note: GRANULOMA TGLs = 1-3.1			
Pituitary Gland	Pars Distalis	Angiectasis	Mild
	Pars Distalis	Hyperplasia	Focal, Mild
[Hyperplasia TGLS = 3-2]			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 108	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 648
	DOSE: CONTROL	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - 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	Lymph Node - Mandibular	Mammary Gland	Nose
Ovary	Pancreas	Parathyroid Gland	Salivary Glands
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Thyroid Gland	Trachea	Urinary Bladder	

MISSING

Thymus

OBSERVATIONS

Bone	Sternum	Osteopetrosis	Marked
Heart		Cardiomyopathy	Chronic, Mild
Kidney		Nephropathy	Chronic, Mild
Liver		Basophilic Focus	Minimal
Lung		Hyperplasia	Lymphoid, Mild
Lymph Node	Mesenteric	Hyperplasia	Reticulum Cell, Moderate
Pituitary Gland	Pars Distalis	Hyperplasia	Diffuse, Moderate
[Hyperplasia TGLS = 4-2]			
Uterus	Cervix	Cyst	
Note: CYST TGLs = 2-8.1			
Zymbal's Gland		Ectasia	Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 109	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 648
	DOSE: CONTROL	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone Marrow	Brain	Esophagus
Eye	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose
Pancreas	Parathyroid Gland	Salivary Glands	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Thyroid Gland
Trachea	Ureter	Urinary Bladder	Uterus
Zymbal's Gland			

OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Focal, Moderate
Clitoral Gland		Hyperplasia	Focal, Moderate
Kidney		Nephropathy	Chronic, Minimal
Liver		Basophilic Focus	Minimal
Lung		Hyperplasia	Lymphoid, Mild
Mammary Gland		Fibroadenoma	
Note: FIBROADENOMA TGLs = 1-13			
Ovary		Cyst	
Note: CYST TGLs = 2-8			
Pituitary Gland	Pars Distalis	Angiectasis	Moderate
	Pars Distalis	Hyperplasia	Focal, Mild
Note: ANGIECTASIS TGLs = 4-2			
Thymus	Epithel Cell	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 110	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 648
	DOSE: CONTROL	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	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	Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Salivary Glands
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Ureter
Urinary Bladder	Uterus	Zymbal's Gland	

OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Benign	
Kidney		Nephropathy	Chronic, Mild
Liver		Basophilic Focus	Minimal
		Eosinophilic Focus	Minimal
		Granuloma	Mild
Lung		Hyperplasia	Lymphoid, Moderate
Mammary Gland	Duct	Ectasia	Moderate
		Fibroadenoma	
Note: ECTASIA TGLs = 4-10			
Note: FIBROADENOMA TGLs = 1-13			
Ovary		Cyst	
Note: CYST TGLs = 2-8			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 111	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 648
	DOSE: CONTROL	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - 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	Lymph Node - Mandibular	Lymph Node - Mesenteric
Mammary Gland	Nose	Pancreas	Parathyroid Gland
Pituitary Gland	Salivary Glands	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder	Zymbal's Gland	

OBSERVATIONS

Clitoral Gl			
Note: ONE GLAND PRESENT..			
Kidney		Nephropathy	Chronic, Mild
Liver		Basophilic Focus	Mild
Lung		Hyperplasia	Lymphoid, Mild
Ovary	Bilateral	Cyst	
Note: CYST TGLs = 1,2-8.1			
Uterus	Cervix	Fibrosis	Mild
	Cervix	Prolapse	Marked
Note: FIBROSIS TGLs = 3-8.2			
Note: [PROLAPSE] TGLs = 4-8			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 112	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 648
	DOSE: CONTROL	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - 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
Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland	Nose
Ovary	Pancreas	Parathyroid Gland	Salivary Glands
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder
Uterus	Zymbal's Gland		

OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Focal, Moderate
Heart		Cardiomyopathy	Chronic, Minimal
Kidney		Nephropathy	Chronic, Mild
Liver		Basophilic Focus	Mild
		Clear Cell Focus	Minimal
Lung	Alveolar Epith	Hyperplasia	Focal, Minimal
		Hyperplasia	Lymphoid, Moderate
Note: HYPERPLASIA TGLs = 3-4.2			
Mesentery	Fat	Necrosis	Moderate
Note: NECROSIS TGLs = 1-13			
Pituitary Gland	Pars Distalis	Cyst	
Note: CYST TGLs = 2-			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 113	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 648
	DOSE: CONTROL	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - 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	Lymph Node - Mandibular	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

Heart	Cardiomyopathy	Chronic, Minimal
Kidney	Nephropathy	Chronic, Mild
Liver	Angiectasis	Minimal
	Clear Cell Focus	Mild
	Vacuolization Cytoplasmic	Focal, Mild
Note: VACUOLIZ CYTO TGLs = 1-3.1		
Lung	Hyperplasia	Lymphoid, Mild
Zymbal's Gland	Ectasia	Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 114	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 648
	DOSE: CONTROL	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	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	Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland
Nose	Ovary	Pancreas	Parathyroid Gland
Salivary Glands	Skin	Stomach - Forestomach	Stomach - Glandular
Thymus	Trachea	Urinary Bladder	Zymbal's Gland

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Focal, Mild
	Medulla	Pheochromocytoma Benign	
Kidney		Nephropathy	Chronic, Mild
Liver		Leukemia Mononuclear	
Lung		Hyperplasia	Lymphoid, Mild
Pituitary Gland	Pars Distalis	Hemorrhage	Moderate
Note: HEMORRHAGE TGLs = 2-2			
Spleen		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 3-3.2			
Thyroid Gland	C Cell	Adenoma	
Uterus	Cervix	Fibrosis	Mild
Note: FIBROSIS TGLs = 1-8.1			
Zymbals Gl			
Note: ONE GLAND IS PRESENT..			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 115	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 599
	DOSE: CONTROL	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - 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	Lymph Node - Mandibular	Lymph Node - Mesenteric
Nose	Pancreas	Parathyroid Gland	Salivary Glands
Skin	Stomach - Forestomach	Stomach - Glandular	Thymus
Trachea	Urinary Bladder	Uterus	

OBSERVATIONS

Kidney		Nephropathy	Chronic, Minimal
Liver		Basophilic Focus	Minimal
		Vacuolization Cytoplasmic	Multifocal, Mild
Note: VACUOLIZ CYTO TGLs = 2-3.1			
Lung		Hyperplasia	Lymphoid, Mild
Mammary Gland	Duct	Ectasia	Mild
Ovary		Cyst	
	Germinal Epith	Hyperplasia	Papillary, Focal, Mild
Note: CYST TGLs = 1-8			
Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-2.1]			
Spleen		Pigmentation	Moderate
Thyroid Gland	C Cell	Carcinoma	
[Carcinoma TGLS = 3-2]			
Zymbal's Gland		Ectasia	Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 116	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 648
	DOSE: CONTROL	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - 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	Lymph Node - Mandibular	Lymph Node - Mesenteric
Mammary Gland	Nose	Ovary	Pituitary Gland
Salivary Glands	Skin	Stomach - Forestomach	Stomach - Glandular
Thymus	Trachea	Urinary Bladder	Uterus
Zymbal's Gland			

MISSING

Parathyroid Gland

OBSERVATIONS

Kidney		Nephropathy	Chronic, Minimal
Liver		Basophilic Focus	Mild
Lung		Hyperplasia	Lymphoid, Mild
Pancreas		Atrophy	Mild
Spleen		Leukemia Mononuclear	
Thyroid Gland	Follicular Cel	Carcinoma	
[Carcinoma TGLS = 1-2.1]			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 117	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 648
	DOSE: CONTROL	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - 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	Lymph Node - Mandibular	Lymph Node - Mesenteric
Mammary Gland	Nose	Pancreas	Pituitary Gland
Salivary Glands	Skin	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder
Uterus	Zymbal's Gland		

MISSING

Parathyroid Gland

OBSERVATIONS

Kidney		Nephropathy	Chronic, Mild
Liver		Basophilic Focus	Mild
		Leukemia Mononuclear	
Lung		Hyperplasia	Lymphoid, Mild
Ovary		Cyst	
Note: CYST	TGLs = 1-8.1		
Spleen		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 118	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 648
	DOSE: CONTROL	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - 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	Lymph Node - Mandibular	Lymph Node - Mesenteric
Nose	Ovary	Pancreas	Parathyroid Gland
Salivary Glands	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Trachea
Urinary Bladder	Uterus	Zymbal's Gland	

OBSERVATIONS

Kidney		Nephropathy	Chronic, Mild
Liver		Basophilic Focus	Mild
Lung	Alveolar Epith	Hyperplasia	Focal, Mild
		Hyperplasia	Lymphoid, Mild
Note: HYPERPLASIA TGLs = 1-4.2			
Mammary Gland	Duct	Ectasia	Moderate
Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-2]			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 119	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 651
	DOSE: CONTROL	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - 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	Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose
Ovary	Pancreas	Parathyroid Gland	Salivary Glands
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Thymus	Trachea	Urinary Bladder	Uterus
Zymbal's Gland			

OBSERVATIONS

Heart		Cardiomyopathy	Chronic, Minimal
Kidney		Infarct	Chronic, Moderate
		Nephropathy	Chronic, Moderate
Note: NEPHROPATHY TGLs = 1-5			
Liver		Basophilic Focus	Minimal
		Granuloma	Minimal
Lung		Hyperplasia	Lymphoid, Mild
Mammary Gland	Duct	Ectasia	Moderate
Note: ECTASIA TGLs = 3-10			
Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-2]			
Thyroid Gland	Follicular Cel	Carcinoma	
[Carcinoma TGLS = 4-2]			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 120	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 543
	DOSE: CONTROL	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Clitoral Gland	Esophagus	Heart	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Islets, Pancreatic
Nose	Ovary	Pancreas	Parathyroid Gland
Pituitary Gland	Salivary Glands	Skin	Stomach - Forestomach
Thymus	Trachea	Urinary Bladder	Uterus

OBSERVATIONS

Adrenal Gland		Cortex	Leukemia Mononuclear	
		Medulla	Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 2-2			
Bone Marrow			Hyperplasia	Mild
Brain			Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 14,15-1			
Intestine Large		Cecum, Peyers Patch	Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 11-7			
Intestine Small		Jejunum, Peyers Patch	Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 12-6			
Kidney			Leukemia Mononuclear	
Liver			Basophilic Focus	Mild
			Leukemia Mononuclear	
			Regeneration	Diffuse, Mild
Note: LEUKEMIA MONUC	TGLs = 6,7-3.1			
Lung			Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 8-4,4.1			
Lymph Node		Iliac	Leukemia Mononuclear	
		Mandibular	Leukemia Mononuclear	
		Mediastinal	Leukemia Mononuclear	
		Mesenteric	Leukemia Mononuclear	
		Pancreatic	Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 3,4,5,10,13-6,9,7			
Mammary Gland		Duct	Ectasia	Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 120	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 543
	DOSE: CONTROL	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

Note: ECTASIA TGLs = 16-10			
Spleen		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 9-3			
Stomach	Forestomach	Leukemia Mononuclear	
	Glandular	Leukemia Mononuclear	
Thyroid Gland	C Cell	Adenoma	
Zymbal's Gland		Ectasia	Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 121	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 651
	DOSE: CONTROL	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - 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
Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose	Ovary
Pancreas	Parathyroid Gland	Pituitary Gland	Salivary Glands
Skin	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	Zymbal's Gland

OBSERVATIONS

Clitoral Gland		Ectasia	Marked
Note: ECTASIA TGLs = 1-8			
Heart		Cardiomyopathy	Chronic, Mild
Kidney		Nephropathy	Chronic, Mild
Liver		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 6-3.1			
Lung		Hyperplasia	Lymphoid, Mild
Mammary Gland	Duct	Ectasia	Moderate
		Fibroadenoma	Multiple
Note: FIBROADENOMA TGLs = 2,3-13,14			
Note: ECTASIA TGLs = 4-10			
Spleen		Leukemia Mononuclear	
Uterus	Cervix	Fibrosis	Mild
Note: FIBROSIS TGLs = 8.1			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 122	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 532
	DOSE: CONTROL	**DISP:** Dead	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow	Clitoral Gland	Esophagus	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Nose
Ovary	Pancreas	Parathyroid Gland	Salivary Glands
Skin	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Zymbal's Gland	

OBSERVATIONS

Adrenal Gland	Cortex	Leukemia Mononuclear	
	Medulla	Leukemia Mononuclear	
Brain		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 4-1			
Kidney		Leukemia Mononuclear	
Liver		Leukemia Mononuclear	
		Regeneration	Diffuse, Mild
Note: LEUKEMIA MONUC TGLs = 2-3.1			
Lung		Leukemia Mononuclear	
Lymph Node	Mandibular	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
Mammary Gland		Fibroadenoma	
Note: FIBROADENOMA TGLs = 3-10.1			
Note: HEAVILY INFITRATED BY LEUKEMIC CELLS..			
Pituitary Gland		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 5-2			
Spleen		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 1-3			
Urinary Bladder		Leukemia Mononuclear	
Uterus		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 6-8			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 123	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 651
	DOSE: CONTROL	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone Marrow	Brain
Esophagus	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland
Nose	Ovary	Pancreas	Parathyroid Gland
Pituitary Gland	Salivary Glands	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Thymus	Trachea
Urinary Bladder	Uterus	Zymbal's Gland	

OBSERVATIONS

Clitoral Gland		Ectasia	Moderate
Kidney		Nephropathy	Chronic, Mild
Liver		Basophilic Focus	Mild
		Hepatodiaphragmatic Nodule	
Note: ANOM HEPAT LOB TGLs = 1-3.1			
Lung		Hyperplasia	Lymphoid, Mild
Thyroid Gland	C Cell	Hyperplasia	Focal, Mild

PRIMARY CAUSE OF DEATH	-

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 124	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 651
	DOSE: CONTROL	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone Marrow	Brain
Esophagus	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric
Mammary Gland	Nose	Ovary	Pancreas
Parathyroid Gland	Pituitary Gland	Salivary Glands	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	Zymbal's Gland

OBSERVATIONS

Clitoral Gland	Ectasia	Moderate
Kidney	Nephropathy	Chronic, Mild
Liver	Basophilic Focus	Minimal
	Clear Cell Focus	Minimal
Uterus	Polyp Stromal	
Note: POLYP STROMAL TGLs = 1-8		

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 125	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 651
	DOSE: CONTROL	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone Marrow	Esophagus
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland	Nose
Parathyroid Gland	Salivary Glands	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder	Uterus	Zymbal's Gland

OBSERVATIONS

Brain	Cerebrum	Compression	
Note: COMPRESSION TGLs = 3-1			
Clitoral Gland		Ectasia	Mild
		Hyperplasia	Focal, Moderate
Note: ECTASIA TGLs = 1-8			
Kidney		Lipoma	
		Nephropathy	Chronic, Moderate
Liver		Basophilic Focus	Mild
Lung		Hyperplasia	Lymphoid, Mild
Ovary		Cyst	
Note: CYST TGLs = 2-8			
Pancreas		Atrophy	Mild
Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 4-2]			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 126	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 651
	DOSE: CONTROL	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - 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
Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland	Nose
Ovary	Pancreas	Parathyroid Gland	Salivary Glands
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Thymus	Trachea	Urinary Bladder	

OBSERVATIONS

Clitoral Gland		Adenoma	
		Ectasia	Mild
Heart		Cardiomyopathy	Chronic, Minimal
Kidney		Nephropathy	Chronic, Minimal
Liver		Basophilic Focus	Minimal
		Clear Cell Focus	Minimal
Lung		Hyperplasia	Lymphoid, Mild
Pituitary Gland	Pars Distalis	Cyst	
	Pars Distalis	Hyperplasia	Multifocal, Mild
[Cyst TGLS = 2-2]			
Thyroid Gland	C Cell	Adenoma	
Uterus	Cervix	Fibrosis	Mild
Note: FIBROSIS TGLs = 1-8.1			
Zymbal's Gland		Ectasia	Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 127	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 651
	DOSE: CONTROL	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - 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	Lymph Node - Mandibular	Lymph Node - Mesenteric
Nose	Ovary	Pancreas	Parathyroid Gland
Pituitary Gland	Salivary Glands	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder	Zymbal's Gland	

OBSERVATIONS

Kidney		Nephropathy	Chronic, Mild
Liver		Basophilic Focus	Mild
Lung		Hyperplasia	Lymphoid, Mild
Mammary Gland		Fibroadenoma	
Note: FIBROADENOMA TGLs = 1-13			
Uterus	Endometrium	Cyst	
		Polyp Stromal	
Note: POLYP STROMAL TGLs = 2-8			
Note: CYST TGLs = 3-8			
Note: POLYP IS INFARCTED..			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 128	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 651
	DOSE: CONTROL	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone Marrow	Brain	Esophagus
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland
Nose	Ovary	Pancreas	Parathyroid Gland
Salivary Glands	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Trachea
Urinary Bladder	Zymbal's Gland		

OBSERVATIONS

Adrenal Gland	Cortex	Degeneration	Focal, Moderate
Clitoral Gland		Ectasia	Moderate
Kidney		Nephropathy	Chronic, Mild
Liver		Angiectasis	Focal, Moderate
		Basophilic Focus	Mild
Note: ANGIECTASIS TGLs = 3-3.2			
Pituitary Gland	Pars Distalis	Cyst	
Note: CYST TGLs = 4-2			
Uterus	Cervix	Cyst	
	Cervix	Fibrosis	Mild
Note: CYST TGLs = 1-8.1			
Note: FIBROSIS TGLs = 2-8.1			
Note: CYST FILLED WITH KERATIN AND CELLULAR DEBRIS..			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 129	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 651
	DOSE: CONTROL	**DISP:** Terminal Sacrifice	**HISTO:**

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	Nose
Ovary	Pancreas	Parathyroid Gland	Salivary Glands
Skin	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	Zymbal's Gland

OBSERVATIONS

Adrenal Gland	Cortex	Leukemia Mononuclear	
	Medulla	Leukemia Mononuclear	
Bone Marrow		Hyperplasia	Mild
Kidney		Lipoma	
		Nephropathy	Chronic, Minimal
Liver		Clear Cell Focus	Minimal
		Leukemia Mononuclear	
Lung		Leukemia Mononuclear	
Lymph Node	Mandibular	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
Mammary Gland		Fibroadenoma	Multiple
Note: FIBROADENOMA TGLs = 1,2-13,14			
Pituitary Gland	Pars Distalis	Cyst	
[Cyst TGLS = 7-2]			
Spleen		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 6-3			
Uterus		Polyp Stromal	
Note: POLYP STROMAL TGLs = 3,4,5-8.1,8.2,8.3			
Note: SOME POLYPS ARE INFARCTED..			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 130	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 590
	DOSE: CONTROL	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Esophagus	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lymph Node - Mandibular
Lymph Node - Mesenteric	Nose	Ovary	Pancreas
Parathyroid Gland	Salivary Glands	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Thyroid Gland	Trachea
Urinary Bladder	Uterus	Zymbal's Gland	

MISSING

Thymus

OBSERVATIONS

Bone Marrow		Hyperplasia	Mild
Brain	Cerebrum	Compression	
Note: COMPRESSION TGLs = 3-1			
Clitoral Gland		Ectasia	Moderate
Note: ECTASIA TGLs = 4-8			
Kidney		Nephropathy	Chronic, Mild
Liver		Basophilic Focus	Minimal
		Granuloma	Marked
Lung		Hyperplasia	Lymphoid, Mild
Mammary Gland		Fibroadenoma	
Note: FIBROADENOMA TGLs = 1-13			
Pituitary Gland		Adenoma	
[Adenoma TGLS = 2-2.1]			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 131	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 618
	DOSE: CONTROL	**DISP:** Dead	**HISTO:**

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
Kidney	Mammary Gland	Nose	Ovary
Pancreas	Parathyroid Gland	Salivary Glands	Skin
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder	Uterus	Zymbal's Gland

MISSING

Clitoral Gland

OBSERVATIONS

Adrenal Gland	Cortex	Leukemia Mononuclear	
	Medulla	Leukemia Mononuclear	
Bone Marrow		Hyperplasia	Mild
Brain		Leukemia Mononuclear	
Heart		Leukemia Mononuclear	
Liver		Hepatodiaphragmatic Nodule	Multiple
		Leukemia Mononuclear	
Note: ANOM HEPAT LOB TGLs = 1,2-3.1			
Lung		Leukemia Mononuclear	
Lymph Node	Mandibular	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 6-13			
Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Note: [HYPERPLASIA] TGLs = 4-2			
Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-3]			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 132	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 651
	DOSE: CONTROL	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone Marrow	Esophagus
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland	Nose
Ovary	Pancreas	Parathyroid Gland	Salivary Glands
Skin	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	Uterus
Zymbal's Gland			

OBSERVATIONS

Brain	Cerebrum	Compression	
Note: COMPRESSION TGLs = 2-1			
Clitoral Gland		Ectasia	Marked
		Hyperplasia	Squamous, Focal, Moderate
Kidney		Nephropathy	Chronic, Moderate
Liver		Basophilic Focus	Mild
		Eosinophilic Focus	Minimal
Lung		Hyperplasia	Lymphoid, Mild
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA TGLs = 3-2			
Spleen		Pigmentation	Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 133	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 644
	DOSE: CONTROL	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	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
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland
Nose	Ovary	Pancreas	Parathyroid Gland
Salivary Glands	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

OBSERVATIONS

Brain	Cerebrum	Compression	
[Compression TGLS = 5-1]			
Clitoral Gl			
Note: ONE GLAND IS PRESENT..			
Heart		Cardiomyopathy	Chronic, Minimal
Kidney		Nephropathy	Chronic, Mild
Liver		Granuloma	Mild
Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 6-2]			
Uterus	Cervix	Fibrosis	Moderate
Note: FIBROSIS TGLs = 2,3-8.1,8.2			
Zymbal's Gland		Ectasia	Mild
Note: ONE GLAND PRESENT..			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 134	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 648
	DOSE: CONTROL	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone Marrow	Brain
Esophagus	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric
Nose	Ovary	Pancreas	Parathyroid Gland
Pituitary Gland	Salivary Glands	Skin	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Trachea
Urinary Bladder	Zymbal's Gland		

MISSING

Clitoral Gland

OBSERVATIONS

Kidney		Nephropathy	Chronic, Mild
Liver		Basophilic Focus	Moderate
		Leukemia Mononuclear	
Mammary Gland		Fibroadenoma	
Note: FIBROADENOMA TGLs = 1-13			
Spleen		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 3-3			
Uterus	Cervix	Fibrosis	Mild
Note: FIBROSIS TGLs = 2-			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 135	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 600
	DOSE: CONTROL	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone Marrow	Esophagus
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose	Ovary
Pancreas	Parathyroid Gland	Salivary Glands	Skin
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder	Uterus	

OBSERVATIONS

Brain	Cerebrum	Compression	
Note: COMPRESSION TGLs = 7-1			
Clitoral Gland		Atrophy	Moderate
		Ectasia	Moderate
Kidney		Nephropathy	Chronic, Mild
Liver		Fatty Change	Moderate
Lung		Hyperplasia	Lymphoid, Mild
Lymph Node	Mediastinal	Pigmentation	Moderate
	Pancreatic	Pigmentation	Moderate
Note: PIGMENT TGLs = 5,8-13,14			
Mammary Gland	Duct	Ectasia	Moderate
Note: ECTASIA TGLs = 1-16			
Mesentery	Fat	Necrosis	Moderate
Note: NECROSIS TGLs = 2-15			
Pituitary Gland	Pars Distalis	Carcinoma	
Note: FOCI OF NECROSIS PRESENT AS WELL AS ABNORMAL MITOSES.. [Carcinoma TGLS = 6-2.1]			
Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Moderate
Zymbal's Gland		Ectasia	Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 136	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 651
	DOSE: CONTROL	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - 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	Lymph Node - Mandibular
Lymph Node - Mesenteric	Mammary Gland	Nose	Ovary
Pancreas	Parathyroid Gland	Pituitary Gland	Salivary Glands
Skin	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	Zymbal's Gland

OBSERVATIONS

Adrenal Gland	Cortex	Hypertrophy	Focal, Mild
	Cortex	Vacuolization Cytoplasmic	Focal, Mild
Clitoral Gland		Adenoma	
Heart		Cardiomyopathy	Chronic, Mild
Kidney		Nephropathy	Chronic, Mild
Liver		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 3-3.1			
Lung		Hyperplasia	Lymphoid, Mild
Spleen		Leukemia Mononuclear	
Tongue		Squamous Cell Papilloma	
Note: SQ CL PAPILLOM TGLs = 4-14			
Uterus		Polyp Stromal	
Note: POLYP PROLAPSED INTO THE VAGINAL VAULT..			
Note: POLYP STROMAL TGLs = 2-13			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 137	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 651
	DOSE: CONTROL	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - 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
Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose	Ovary
Pancreas	Parathyroid Gland	Pituitary Gland	Salivary Glands
Skin	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	Zymbal's Gland

OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Focal, Minimal
Heart		Cardiomyopathy	Chronic, Mild
Kidney		Nephropathy	Chronic, Minimal
Liver		Basophilic Focus	Mild
		Hepatodiaphragmatic Nodule	
		Leukemia Mononuclear	
[Hepatodiaphragmatic Nodule TGLS = 5-3.1]			
Lung	Alveolar Epith	Hyperplasia	Focal, Minimal
		Hyperplasia	Lymphoid, Mild
Mammary Gland		Fibroadenoma	
Note: FIBROADENOMA TGLs = 1-13			
Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-3]			
Uterus		Polyp Stromal	Multiple
Note: POLYP STROMAL TGLs = 2,3-8.1,8.2			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 138	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 648
	DOSE: CONTROL	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Brain	Esophagus	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Nose	Ovary
Parathyroid Gland	Salivary Glands	Skin	Stomach - Forestomach
Stomach - Glandular	Thymus	Trachea	Urinary Bladder
Uterus			

OBSERVATIONS

Adrenal Gland	Cortex	Leukemia Mononuclear	
	Medulla	Leukemia Mononuclear	
Bone Marrow		Hypoplasia	Moderate
		Leukemia Mononuclear	
		Myelofibrosis	Marked
Clitoral Gland		Ectasia	Moderate
		Inflammation	Chronic, Moderate
Kidney		Leukemia Mononuclear	
		Nephropathy	Chronic, Minimal
Liver		Leukemia Mononuclear	
		Regeneration	Diffuse, Mild
Note: LEUKEMIA MONUC TGLs = 5-3.1			
Lung		Hemorrhage	Focal, Minimal
	Alveolar Epith	Hyperplasia	Focal, Moderate
		Leukemia Mononuclear	
Note: HEMORRHAGE TGLs = 8-4.2			
Lymph Node	Mandibular	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 4,7-7,14			
Mammary Gland	Duct	Ectasia	Moderate
Mesentery		Leukemia Mononuclear	
	Fat	Necrosis	Moderate

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 138	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 648
	DOSE: CONTROL	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

Note: LEUKEMIA MONUC TGLs = 2-13			
Note: NECROSIS TGLs = 3-13			
Pancreas		Leukemia Mononuclear	
Pituitary Gland		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 9-2			
Spleen		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 6-3			
Thyroid Gland	C Cell	Hyperplasia	Focal, Moderate
Zymbal's Gland		Ectasia	Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 139	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 651
	DOSE: CONTROL	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - 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
Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland	Nose
Ovary	Pancreas	Parathyroid Gland	Pituitary Gland
Salivary Glands	Skin	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder
Uterus	Zymbal's Gland		

OBSERVATIONS

Clitoral Gland	Bilateral	Adenoma	
Heart		Cardiomyopathy	Chronic, Minimal
Kidney		Nephropathy	Chronic, Minimal
Liver		Basophilic Focus	Mild
		Leukemia Mononuclear	
Lung		Hyperplasia	Lymphoid, Mild
Spleen		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 140	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 651
	DOSE: CONTROL	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone Marrow	Brain	Esophagus
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lymph Node - Mandibular
Lymph Node - Mesenteric	Nose	Ovary	Pancreas
Parathyroid Gland	Salivary Glands	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Thyroid Gland	Trachea
Urinary Bladder	Zymbal's Gland		

MISSING

Thymus

OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Benign	
Note: PHEOCHROM BGN TGLs = 2-2			
Clitoral Gland		Ectasia	Moderate
Heart		Cardiomyopathy	Chronic, Minimal
Kidney		Nephropathy	Chronic, Mild
Liver		Basophilic Focus	Mild
		Hepatodiaphragmatic Nodule	
Note: ANOM HEPAT LOB TGLs = 5-3.1			
Lung		Hyperplasia	Lymphoid, Mild
Mammary Gland	Duct	Ectasia	Moderate
Note: ECTASIA TGLs = 4-10			
Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Cyst	
Note: ADENOMA TGLs = 3-2			
Uterus		Hydrometra	Moderate
Note: HYDROMETRA TGLs = 1-8			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 186	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 520
	DOSE: 80 PPM	**DISP:** Dead	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone Marrow	Brain
Clitoral Gland	Esophagus	Intestine Large - Cecum	Intestine Large - Colon
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Kidney	Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose
Ovary	Pancreas	Parathyroid Gland	Pituitary Gland
Salivary Glands	Skin	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder
Uterus			

MISSING

Intestine Large - Rectum

OBSERVATIONS

Bone	Sternum	Osteopetrosis	Moderate
Heart		Cardiomyopathy	Chronic, Mild
Liver		Basophilic Focus	Minimal
		Hematopoietic Cell Proliferation	Mild
	Centrilobular	Necrosis	Diffuse, Mild
Lung		Carcinoma	Metastatic (Uncertain Primary Site)
		Hyperplasia	Lymphoid, Mild
Note: TISS. MASS INVOLVING MOUTH WAS TOTALLY CANNABALIZED..			
Mammary Gland	Duct	Ectasia	Moderate
Spleen		Hematopoietic Cell Proliferation	Marked
[Hematopoietic Cell Proliferation TGLS = 1-3]			
Zymbal's Gland		Ectasia	Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 187	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 564
	DOSE: 80 PPM	**DISP:** Moribund	**HISTO:**

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	Kidney
Lymph Node - Mesenteric	Ovary	Pancreas	Parathyroid Gland
Salivary Glands	Skin	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder
Uterus			

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Cortex	Leukemia Mononuclear	
	Medulla	Leukemia Mononuclear	
Clitoral Gland		Hyperplasia	Focal, Mild
Liver		Leukemia Mononuclear	
		Regeneration	Diffuse, Mild
Note: LEUKEMIA MONUC TGLs = 2-3.1			
Lung		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 3-4			
Lymph Node	Mandibular	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 6-6			
Nose		Fungus	Mild
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA TGLs = 4-2			
Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-3]			
Zymbal's Gland		Ectasia	Moderate

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 188	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 485
	DOSE: 80 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Brain	Esophagus
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Kidney	Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland
Nose	Ovary	Pancreas	Parathyroid Gland
Pituitary Gland	Salivary Glands	Skin	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Trachea
Urinary Bladder	Uterus	Zymbal's Gland	

OBSERVATIONS

Bone Marrow	Hyperplasia	Mild
Clitoral Gland	Adenoma	
Note: ADENOMA TGLs = 1-8.1		
Note: OPPOSING GLD. IS NOT PRESENT..		
Liver	Basophilic Focus	Mild
	Clear Cell Focus	Minimal
	Hematopoietic Cell Proliferation	Mild
Lung	Hyperplasia	Lymphoid, Mild
Spleen	Hematopoietic Cell Proliferation	Moderate

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 189	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 648
	DOSE: 80 PPM	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - 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
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland
Nose	Ovary	Parathyroid Gland	Salivary Glands
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder

OBSERVATIONS

Clitoral Gland		Adenoma	
		Carcinoma	
Note: ADENOMA TGLs = 1-8			
Note: CARCINOMA TGLs = 1-8			
Heart		Cardiomyopathy	Chronic, Minimal
Kidney	Medulla	Inflammation	Acute, Moderate
		Nephropathy	Chronic, Mild
Liver		Basophilic Focus	Mild
Pancreas		Atrophy	Mild
Pituitary Gland	Pars Distalis	Cyst	
	Pars Distalis	Hyperplasia	Diffuse, Moderate
Note: CYST TGLs = 4-2			
[Cyst TGLS = 5-2]			
Uterus		Adenoma	
Note: ADENOMA TGLs = 2-8.1			
Note: ADENOMATOUS POLYP IS MORE APT DX..			
Zymbal's Gland		Ectasia	Mild
		Hyperplasia	Squamous, Focal, Minimal
Note: ONE GLAND IS PRESENT..			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 190	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 648
	DOSE: 80 PPM	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Brain	Esophagus
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lung
Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose	Ovary
Pancreas	Parathyroid Gland	Salivary Glands	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Trachea
Urinary Bladder	Uterus		

OBSERVATIONS

Bone Marrow		Hyperplasia	Moderate
Clitoral Gland	Bilateral	Adenoma	
		Ectasia	Marked
		Hyperplasia	Multifocal, Moderate
Note: [ADENOMA] TGLs = 2-8			
Heart		Cardiomyopathy	Chronic, Mild
Kidney		Nephropathy	Chronic, Minimal
Liver		Basophilic Focus	Mild
		Degeneration	Cystic, Minimal
		Hematopoietic Cell Proliferation	Mild
		Leukemia Mononuclear	
Mammary Gland		Fibroadenoma	
Note: FIBROADENOMA TGLs = 3-14			
Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
Skin		Basal Cell Adenoma	
Note: BASAL CEL ADEN TGLs = 1-13			
Spleen		Hematopoietic Cell Proliferation	Moderate
		Leukemia Mononuclear	
Note: HEMA CELL PROL TGLs = 4-3			
Zymbal's Gland		Ectasia	Moderate

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 191	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 618
	DOSE: 80 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - 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
Kidney	Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland
Nose	Ovary	Pancreas	Parathyroid Gland
Pituitary Gland	Salivary Glands	Skin	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Trachea
Urinary Bladder	Zymbal's Gland		

OBSERVATIONS

Clitoral Gland	Adenoma	
	Carcinoma	
Note: [ADENOMA] TGLs = 1,2-8.1		
Note: [CARCINOMA] TGLs = 1,2-8.1		
Heart	Cardiomyopathy	Chronic, Minimal
Liver	Basophilic Focus	Mild
	Clear Cell Focus	Mild
	Hepatodiaphragmatic Nodule	
	Vacuolization Cytoplasmic	Focal, Mild
Note: VACUOLIZ CYTO TGLs = 4-3.2		
Note: ANOM HEPAT LOB TGLs = 5-3.1		
Lung	Infiltration Cellular	Histiocyte, Mild
Spleen	Hematopoietic Cell Proliferation	Moderate
Uterus	Adenoma	
Note: ADENOMA TGLs = 3-8		

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 192	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 485
	DOSE: 80 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Brain	Esophagus
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland	Nose
Ovary	Pancreas	Parathyroid Gland	Pituitary Gland
Salivary Glands	Skin	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder
Uterus			

OBSERVATIONS

Bone Marrow		Hyperplasia	Mild
Clitoral Gland		Carcinoma	
Note: CARCINOMA TGLs = 1-8.1			
Eye		Cataract	Moderate
	Retina	Degeneration	Marked
Note: CATARACT TGLs = 2-13			
Harderian Gland		Inflammation	Chronic, Moderate
Kidney		Infarct	Chronic, Moderate
Liver		Basophilic Focus	Minimal
		Hematopoietic Cell Proliferation	Minimal
Lung		Hyperplasia	Lymphoid, Mild
Spleen		Hematopoietic Cell Proliferation	Moderate
Zymbal's Gland		Ectasia	Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 193	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 648
	DOSE: 80 PPM	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - 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
Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose	Ovary
Pancreas	Parathyroid Gland	Salivary Glands	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Trachea
Urinary Bladder	Zymbal's Gland		

OBSERVATIONS

Clitoral Gland		Adenoma	
		Ectasia	Moderate
		Hyperplasia	Squamous, Focal, Mild
Heart		Cardiomyopathy	Chronic, Minimal
Kidney		Nephropathy	Chronic, Mild
Liver		Basophilic Focus	Mild
		Clear Cell Focus	Mild
Lung		Alveolar/Bronchiolar Adenoma	
Note: ALV BRON ADEN TGLs = 7-4.1			
Mammary Gland		Fibroadenoma	
Note: FIBROADENOMA TGLs = 1-13			
Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Angiectasis	Marked
Note: ECTASIA TGLs = 6-2			
Skin	Subcut Tiss	Fibroma	
Note: FIBROMA TGLs = 2-14			
Spleen		Hematopoietic Cell Proliferation	Mild
Uterus	Cervix	Fibrosis	Mild
Note: FIBROSIS TGLs = 3-8.1			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 194	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 648
	DOSE: 80 PPM	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - 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
Lymph Node - Mandibular	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	Zymbal's Gland		

OBSERVATIONS

Clitoral Gland	Ectasia	Moderate
	Hyperplasia	Focal, Mild
Heart	Cardiomyopathy	Chronic, Minimal
Kidney	Nephropathy	Chronic, Mild
Liver	Angiectasis	Focal, Moderate
	Basophilic Focus	Mild
	Clear Cell Focus	Minimal
Note: ANGIECTASIS TGLs = 6-3.1		
Lung	Hyperplasia	Lymphoid, Mild
Uterus	Hydrometra	Moderate
Note: HYDROMETRA TGLs = 2-8		
Zymbals Gl		
Note: ONE GLAND IS PRESENT..		

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 195	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 599
	DOSE: 80 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone Marrow	Brain
Esophagus	Eye	Harderian Gland	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lymph Node - Mandibular
Lymph Node - Mesenteric	Mammary Gland	Nose	Ovary
Pancreas	Parathyroid Gland	Skin	Stomach - Forestomach
Stomach - Glandular	Thymus	Trachea	Urinary Bladder
Uterus	Zymbal's Gland		

OBSERVATIONS

Clitoral Gland	Bilateral	Carcinoma	
Note: CARCINOMA TGLs = 2-8.1			
Kidney	Renal Tubule	Degeneration	Hyaline, Mild
Liver		Basophilic Focus	Mild
	Centrilobular	Degeneration	Diffuse, Mild
		Hematopoietic Cell Proliferation	Mild
		Hepatodiaphragmatic Nodule	
Note: ANOM HEPAT LOB TGLs = 5-3.1			
Note: DEGEN TGLs = 6-3.1			
Lung		Hyperplasia	Lymphoid, Mild
Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
Salivary Glands	Bilateral	Carcinosarcoma	
Note: CARCINOSARC TGLs = 3-9,9.1			
Spleen		Hematopoietic Cell Proliferation	Marked
Note: HEMA CELL PROL TGLs = 9-3			
Thyroid Gland	C Cell	Hyperplasia	Focal, Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 196	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 644
	DOSE: 80 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone Marrow	Esophagus
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Kidney	Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose
Ovary	Pancreas	Parathyroid Gland	Salivary Glands
Skin	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

OBSERVATIONS

Brain	Cerebrum	Compression	
Note: COMPRESSION TGLs = 9-1			
Clitoral Gland	Bilateral	Adenoma	
Note: ADENOMA TGLs = 1-8			
Liver		Basophilic Focus	Mild
		Hematopoietic Cell Proliferation	Minimal
Lung		Hyperplasia	Lymphoid, Mild
Mammary Gland	Duct	Ectasia	Moderate
		Fibroadenoma	Multiple
Note: FIBROADENOMA TGLs = 2,7,8,12-13,14,15,17			
Note: ECTASIA TGLs = 5-10			
Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 10-2]			
Spleen		Hematopoietic Cell Proliferation	Moderate
Tongue		Squamous Cell Papilloma	
Note: SQ CL PAPILLOM TGLs = 11-16			
Uterus		Adenoma	
		Polyp Stromal	
Note: [POLYP STROMAL] TGLs = 3,4-8			
Note: [ADENOMA] TGLs = 3,4-8			
Zymbal's Gland		Ectasia	Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 197	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 588
	DOSE: 80 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - 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	Lymph Node - Mandibular	Lymph Node - Mesenteric
Mammary Gland	Nose	Ovary	Parathyroid Gland
Pituitary Gland	Salivary Glands	Skin	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Trachea
Urinary Bladder	Uterus		

OBSERVATIONS

Kidney	Nephropathy	Chronic, Minimal
Liver	Basophilic Focus	Minimal
	Hematopoietic Cell Proliferation	Minimal
Lung	Hyperplasia	Lymphoid, Moderate
Pancreas	Atrophy	Mild
Spleen	Hematopoietic Cell Proliferation	Moderate
Zymbal's Gland	Carcinoma	
	Hyperplasia	Focal, Moderate

Note: CARCINOMA TGLs = 2-10

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 198	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 618
	DOSE: 80 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - 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
Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland	Nose
Ovary	Pancreas	Parathyroid Gland	Pituitary Gland
Salivary Glands	Skin	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder
Uterus			

OBSERVATIONS

Clitoral Gland		Carcinoma	
Note: [CARCINOMA] TGLs = 1-8.1			
Heart		Cardiomyopathy	Chronic, Minimal
Kidney	Renal Tubule	Degeneration	Hyaline, Moderate
		Nephropathy	Chronic, Mild
Liver		Clear Cell Focus	Mild
		Eosinophilic Focus	Minimal
		Hematopoietic Cell Proliferation	Moderate
Lung	Alveolar Epith	Hyperplasia	Multifocal, Moderate
		Infiltration Cellular	Histiocyte, Moderate
Lymph Node	Mediastinal	Erythrophagocytosis	Mild
	Mediastinal	Infiltration Cellular	Histiocyte, Moderate
Note: ERYTHROPHAGOCY TGLs = 2-13			
Spleen		Hematopoietic Cell Proliferation	Moderate
Zymbal's Gland		Adenoma	
		Carcinoma	
		Ectasia	Moderate

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 199	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 648
	DOSE: 80 PPM	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - 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
Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose	Ovary
Pancreas	Parathyroid Gland	Salivary Glands	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Trachea
Urinary Bladder	Uterus		

OBSERVATIONS

Clitoral Gland	Bilateral	Carcinoma	
Note: CARCINOMA TGLs = 2-8			
Heart		Cardiomyopathy	Chronic, Mild
Kidney		Nephropathy	Chronic, Mild
Liver		Basophilic Focus	Mild
		Clear Cell Focus	Mild
		Eosinophilic Focus	Mild
		Hematopoietic Cell Proliferation	Minimal
	Bile Duct	Hyperplasia	Mild
Lung		Hyperplasia	Lymphoid, Mild
Mammary Gland	Duct	Ectasia	Moderate
		Fibroadenoma	
Note: FIBROADENOMA TGLs = 7-14			
Pituitary Gland	Pars Distalis	Cyst	
	Pars Distalis	Hyperplasia	Diffuse, Moderate
[Cyst TGLS = 3-2]			
Skin		Basal Cell Adenoma	
Note: BASAL CEL ADEN TGLs = 1-13			
Spleen		Hematopoietic Cell Proliferation	Mild
Zymbal's Gland		Ectasia	Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 200	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 483
	DOSE: 80 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - 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	Lymph Node - Mesenteric	Mammary Gland
Nose	Pancreas	Parathyroid Gland	Pituitary Gland
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder

OBSERVATIONS

Clitoral Gl			
Note: ONLY ONE GLD. IS PRESENT..			
Kidney		Nephropathy	Chronic, Mild
Liver		Basophilic Focus	Minimal
Lung		Hyperplasia	Lymphoid, Moderate
Lymph Node	Mandibular	Hyperplasia	Lymphoid, Marked
Note: HYPERPLASIA TGLs = 4-9			
Ovary		Cyst	Mild
Salivary Glands		Inflammation	Chronic, Marked
Uterus	Endometrium	Cyst	Moderate
		Polyp Stromal	Multiple
Note: POLYP STROMAL TGLs = 1,2-8			
Note: CYST TGLs = 3-8			
Zymbal's Gland		Carcinoma	
		Ectasia	Mild
Note: CARCINOMA TGLs = 5-10.1			

PRIMARY CAUSE OF DEATH	-

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 201	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 648
	DOSE: 80 PPM	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone Marrow	Brain	Esophagus
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Islets, Pancreatic	Lymph Node - Mandibular	Nose
Pancreas	Parathyroid Gland	Salivary Glands	Skin
Stomach - Forestomach	Stomach - Glandular	Thymus	Trachea
Urinary Bladder	Uterus	Zymbal's Gland	

OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Benign	
Clitoral Gland		Adenoma	
		Carcinoma	
Note: CARCINOMA TGLs = 2-8.1			
Heart		Cardiomyopathy	Chronic, Minimal
Intestine Small	Jejunum	Adenocarcinoma	Cystic, Mucinous
Note: ADENOCARC TGLs = 6-6			
Kidney		Nephropathy	Chronic, Mild
Liver		Basophilic Focus	Mild
		Leukemia Mononuclear	
Lung		Hyperplasia	Lymphoid, Mild
Lymph Node	Mesenteric	Hyperplasia	Reticulum Cell, Moderate
Mammary Gland		Fibroadenoma	
Note: FIBROADENOMA TGLs = 1-13			
Ovary		Cyst	
Note: CYST TGLs = 3-8			
Pituitary Gland	Pars Distalis	Cyst	
Note: CYST TGLs = 5-			
Spleen		Leukemia Mononuclear	
Thyroid Gland	C Cell	Hyperplasia	Focal, Minimal

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 202	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 618
	DOSE: 80 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Brain	Esophagus
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Kidney	Mammary Gland	Ovary	Pancreas
Parathyroid Gland	Salivary Glands	Skin	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Trachea
Urinary Bladder	Uterus		

OBSERVATIONS

Bone Marrow		Hyperplasia	Mild
Clitoral Gland		Carcinoma	
Note: OPPOSING GLAND IS NOT PRESENT..			
Note: CARCINOMA TGLs = 2-8.1			
Eye		Cataract	Moderate
	Retina	Degeneration	Marked
		Synechia	Marked
Note: DEGEN TGLs = 4-13			
Liver		Basophilic Focus	Mild
		Clear Cell Focus	Mild
		Eosinophilic Focus	Mild
		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 3-3.1			
Lung		Hyperplasia	Lymphoid, Mild
Lymph Node	Mandibular	Hyperplasia	Reticulum Cell, Moderate
	Mesenteric	Hyperplasia	Reticulum Cell, Moderate
Mesentery	Fat	Necrosis	Moderate
Note: NECROSIS TGLs = 6,7-14			
Nose		Fungus	Moderate
		Inflammation	Acute, Mild
Pituitary Gland	Pars Distalis	Cyst	
Note: CYST TGLs = 5-2			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 202	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 618
	DOSE: 80 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

Spleen	Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 1-3		
Zymbal's Gland	Ectasia	Moderate

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 203	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 424
	DOSE: 80 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone Marrow	Brain
Esophagus	Heart	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Liver	Lymph Node - Mesenteric	Mammary Gland	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Salivary Glands
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder

OBSERVATIONS

Clitoral Gland		Ectasia	Mild
Intestine Large	Cecum	Parasite Metazoan	Minimal
Kidney		Nephropathy	Chronic, Minimal
Lung		Hyperplasia	Lymphoid, Minimal
Lymph Node	Mandibular	Carcinoma	Metastatic (Zymbal'S Gland)
	Mandibular	Hyperplasia	Lymphoid, Moderate
Note: HYPERPLASIA TGLs = 3-9			
Note: CELLS ARE MORE ANAPLASTIC THAN CELLS AT PRIME SITE..			
Ovary		Cyst	Moderate
Note: CYST TGLs = 2-8			
Uterus	Bilateral	Hydrometra	Moderate
Note: HYDROMETRA TGLs = 1-8			
Zymbal's Gland		Carcinoma	
		Ectasia	Mild
Note: CARCINOMA TGLs = 5-10,1			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 204	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 512
	DOSE: 80 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone Marrow	Brain
Esophagus	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Kidney	Lung	Lymph Node - Mandibular
Lymph Node - Mesenteric	Nose	Ovary	Pancreas
Parathyroid Gland	Pituitary Gland	Salivary Glands	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Thyroid Gland
Trachea	Urinary Bladder		

MISSING

Thymus

OBSERVATIONS

Clitoral Gland		Ectasia	Moderate
Note: ECTASIA TGLs = 3-8			
Liver		Hepatodiaphragmatic Nodule	
[Hepatodiaphragmatic Nodule TGLS = 7-3.1]			
Mammary Gland		Adenocarcinoma	
Note: VERY ANAPLASTIC..			
[Adenocarcinoma TGLS = 2-13]			
Uterus	Endometrium	Cyst	Moderate
		Polyp Stromal	
Note: CYST TGLs = 5-8			
[Cyst TGLS = 4-8]			
Zymbal's Gland		Carcinoma	
Note: CARCINOMA TGLs = 8-10.1			
Note: OPPOSING GLD. IS NOT PRESENT..			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 205	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 616
	DOSE: 80 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - 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	Lymph Node - Mesenteric	Nose
Ovary	Parathyroid Gland	Salivary Glands	Skin
Stomach - Forestomach	Stomach - Glandular	Thymus	Trachea
Urinary Bladder	Uterus		

OBSERVATIONS

Kidney	Renal Tubule	Dilatation	Mild
		Nephropathy	Chronic, Mild
	Renal Tubule	Vacuolization Cytoplasmic	Moderate
Liver		Basophilic Focus	Mild
		Fatty Change	Moderate
		Pigmentation	Minimal
Note: FATTY CHANGE TGLs = 4-3.1			
Lung		Hyperplasia	Lymphoid, Mild
Lymph Node	Mandibular	Hyperplasia	Lymphoid, Moderate
Mammary Gland		Adenocarcinoma	
	Duct	Ectasia	Moderate
Note: ECTASIA TGLs = 1-10			
Note: ADENOCARC TGLs = 8-13			
Pancreas		Atrophy	Moderate
Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 6-2]			
Spleen		Pigmentation	Mild
Thyroid Gland	C Cell	Adenoma	
[Adenoma TGLS = 2-2]			
Zymbal's Gland		Carcinoma	
		Ectasia	Moderate
Note: [CARCINOMA] TGLs = 7-10			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 205	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 616
	DOSE: 80 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH	-

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 206	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 648
	DOSE: 80 PPM	**DISP:** Terminal Sacrifice	**HISTO:**

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	Mammary Gland	Nose
Ovary	Pancreas	Parathyroid Gland	Salivary Glands
Skin	Stomach - Forestomach	Stomach - Glandular	Thymus
Trachea	Urinary Bladder	Uterus	Zymbal's Gland

OBSERVATIONS

Adrenal Gland	Cortex	Hypertrophy	Focal, Mild
	Cortex	Leukemia Mononuclear	
	Medulla	Leukemia Mononuclear	
Clitoral Gland		Adenoma	
		Ectasia	Marked
Note: ADENOMA TGLs = 1-8			
Heart		Cardiomyopathy	Chronic, Mild
Kidney		Nephropathy	Chronic, Mild
Liver		Basophilic Focus	Mild
		Leukemia Mononuclear	
		Neoplastic Nodule	
Note: [NEOPLASTIC NOD] TGLs = 4-3.2			
Note: LEUKEMIA MONUC TGLs = 3-3.1			
Lung		Hyperplasia	Lymphoid, Mild
		Leukemia Mononuclear	
Lymph Node	Mandibular	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
Pituitary Gland		Leukemia Mononuclear	
Spleen		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 2-3			
Thyroid Gland	C Cell	Hyperplasia	Focal, Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 207	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 648
	DOSE: 80 PPM	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone Marrow	Brain
Esophagus	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric
Mammary Gland	Nose	Ovary	Pancreas
Parathyroid Gland	Salivary Glands	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder	Uterus	Zymbal's Gland

OBSERVATIONS

Clitoral Gland		Hyperplasia	Multifocal, Moderate
Kidney		Nephropathy	Chronic, Minimal
Liver		Basophilic Focus	Mild
Pharynx	Palate	Hyperkeratosis	Focal, Mild
Note: HYPERKERATOSIS TGLs = 2-13			
Pituitary Gland	Pars Distalis	Angiectasis	Moderate
Note: ECTASIA TGLs = 1-2			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 208	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 648
	DOSE: 80 PPM	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone Marrow	Brain
Esophagus	Intestine Large - Cecum	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lymph Node - Mandibular
Mammary Gland	Nose	Ovary	Pancreas
Parathyroid Gland	Pituitary Gland	Salivary Glands	Skin
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

OBSERVATIONS

Clitoral Gland		Carcinoma	
Note: [CARCINOMA] TGLs = 1-8			
Heart		Cardiomyopathy	Chronic, Minimal
Intestine Large	Colon, Descend Colon	Adenocarcinoma	
Kidney		Inflammation	Chronic Active, Marked
		Nephropathy	Chronic, Mild
Note: INFLAMMATION TGLs = 2-5			
Liver		Basophilic Focus	Mild
Lung		Hyperplasia	Lymphoid, Mild
Lymph Node	Mesenteric	Hyperplasia	Reticulum Cell, Moderate
Spleen		Hematopoietic Cell Proliferation	Mild
Uterus	Cervix	Fibrosis	Mild
		Sarcoma Stromal	
Note: FIBROSIS TGLs = 3-8.1			
Note: [SARC STROMAL] TGLs = 4-8			
Zymbal's Gland		Ectasia	Moderate

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 209	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 573
	DOSE: 80 PPM	**DISP:** Dead	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone Marrow	Brain
Clitoral Gland	Esophagus	Heart	Kidney
Lymph Node - Mandibular	Mammary Gland	Nose	Ovary
Parathyroid Gland	Pituitary Gland	Salivary Glands	Skin
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder	Uterus	Zymbal's Gland
MISSING			
Lymph Node - Mesenteric			
AUTO PRECLUDES DIAG.			
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Liver
Pancreas			
OBSERVATIONS			
Lung		Leukemia Mononuclear	
Spleen		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 5-3			
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 210	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 606
	DOSE: 80 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - 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	Mammary Gland	Nose
Ovary	Pancreas	Parathyroid Gland	Salivary Glands
Skin	Stomach - Forestomach	Stomach - Glandular	Thyroid Gland
Trachea	Urinary Bladder		

MISSING

Thymus

OBSERVATIONS

Bone	Cranium	Carcinoma	Metastatic (Zymbal'S Gland)
Kidney		Nephropathy	Chronic, Moderate
Liver		Carcinoma	Metastatic (Uterus)
		Leukemia Mononuclear	
Note: CARCINOMA TGLs = 3,4,5,6,7-3.1,3.3,3.4			
Lung		Hyperplasia	Lymphoid, Mild
		Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
[Hyperplasia TGLS = 8-4.1]			
Lymph Node	Mandibular	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Moderate
[Hyperplasia TGLS = 9-2]			
Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 12-3.2]			
Uterus	Cervix	Carcinoma	
		Inflammation	Acute, Moderate
Note: CARCINOMA TGLs = 2-8.1			
Note: INFLAMMATION TGLs = 13-3.2			
Zymbal's Gland		Carcinoma	

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 210	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 606
	DOSE: 80 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

Note: CARCINOMA TGLs = 11-10,12.1

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 211	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 618
	DOSE: 80 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone Marrow	Brain
Esophagus	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland
Nose	Pancreas	Parathyroid Gland	Salivary Glands
Skin	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	Uterus

OBSERVATIONS

Clitoral Gland		Carcinoma	
Note: CARCINOMA TGLs = 2-8.1			
Kidney		Nephropathy	Chronic, Minimal
Liver		Basophilic Focus	Minimal
		Clear Cell Focus	Minimal
		Hematopoietic Cell Proliferation	Mild
Lung		Hyperplasia	Lymphoid, Mild
Ovary		Cyst	
Note: CYST TGLs = 3-8			
Pituitary Gland	Pars Distalis	Cyst	
Note: CYST TGLs = 6-2			
Spleen		Hematopoietic Cell Proliferation	Marked
[Hematopoietic Cell Proliferation TGLS = 5-3]			
Zymbal's Gland		Ectasia	Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 212	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 632
	DOSE: 80 PPM	**DISP:** Moribund	**HISTO:**

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	Nose	Ovary
Pancreas	Parathyroid Gland	Salivary Glands	Skin
Stomach - Forestomach	Thymus	Trachea	Urinary Bladder
Uterus			

OBSERVATIONS

Adrenal Gland	Cortex	Leukemia Mononuclear	
	Medulla	Leukemia Mononuclear	
Clitoral Gland		Adenoma	
		Necrosis	Marked
Note: NO VIABLE TISSUE IS PRESENT..			
Note: NECROSIS TGLs = 2-8			
Heart	Atrium	Thrombosis	
Note: THROMBUS TGLs = 11-3			
Kidney		Leukemia Mononuclear	
		Nephropathy	Chronic, Minimal
Note: LEUKEMIA MONUC TGLs = 5,6-5			
Liver		Leukemia Mononuclear	
		Regeneration	Diffuse, Mild
Note: LEUKEMIA MONUC TGLs = 8,9-3.1			
Lung		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 10-4,4.1			
Lymph Node	Mandibular	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 7,12,18-9,15,17			
Mammary Gland	Duct	Ectasia	Moderate
Note: ECTASIA TGLs = 3-13			
Pituitary Gland	Pars Distalis	Angiectasis	Moderate

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 212	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 632
	DOSE: 80 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

Note: ANGIECTASIS TGLs = 15-2			
Spleen		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 16-3			
Stomach	Glandular	Erosion	Focal, Minimal
Thyroid Gland	C Cell	Hyperplasia	Focal, Mild
Zymbal's Gland		Ectasia	Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 213	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 648
	DOSE: 80 PPM	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Brain	Esophagus
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland	Nose
Ovary	Pancreas	Parathyroid Gland	Salivary Glands
Skin	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	Uterus
Zymbal's Gland			

OBSERVATIONS

Bone Marrow		Hyperplasia	Mild
Clitoral Gland		Adenoma	
		Ectasia	Moderate
		Hyperplasia	Squamous, Multifocal, Mild
		Inflammation	Acute, Moderate
Note: ADENOMA TGLs = 1-8			
Kidney		Nephropathy	Chronic, Minimal
Liver		Basophilic Focus	Mild
		Hematopoietic Cell Proliferation	Minimal
Lung		Hyperplasia	Lymphoid, Mild
Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-2]			
Spleen		Hematopoietic Cell Proliferation	Moderate
Zymbals Gl			
Note: ONE GLAND PRESENT..			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 214	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 424
	DOSE: 80 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - 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
Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose	Ovary
Pancreas	Pituitary Gland	Salivary Glands	Skin
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder	Uterus	

MISSING

Clitoral Gland	Parathyroid Gland

OBSERVATIONS

Clitoral Gl		
Note: MASS NOTED AT NECROPSY WAS A SUBCUT. FIBROMA..		
Heart	Cardiomyopathy	Chronic, Minimal
Kidney	Nephropathy	Chronic, Minimal
Note: NEPHROPATHY TGLs = 2-5		
Liver	Basophilic Focus	Mild
	Granuloma	Minimal
Lung	Hyperplasia	Lymphoid, Minimal
Mammary Gland	Fibroadenoma	
Note: [FIBROADENOMA] TGLs = 1-8.1		
Spleen	Hematopoietic Cell Proliferation	Mild
Zymbal's Gland	Adenoma	
Note: ADENOMA TGLs = 3-10		

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 215	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 373
	DOSE: 80 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Brain	Esophagus
Heart	Intestine Large - Cecum	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Kidney
Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland	Nose
Ovary	Pancreas	Parathyroid Gland	Pituitary Gland
Salivary Glands	Skin	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder
Uterus	Zymbal's Gland		

OBSERVATIONS

Bone Marrow		Hyperplasia	Mild
Clitoral Gland	Bilateral	Carcinoma	
Note: CARCINOMA TGLs = 1-8.1			
Intestine Large	Colon	Parasite Metazoan	Minimal
Liver		Basophilic Focus	Minimal
Lung		Hyperplasia	Lymphoid, Mild
Spleen		Hematopoietic Cell Proliferation	Moderate
[Hematopoietic Cell Proliferation TGLS = 2-3]			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 216	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 476
	DOSE: 80 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone Marrow	Brain
Esophagus	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Kidney	Lymph Node - Mandibular	Lymph Node - Mesenteric
Nose	Pancreas	Parathyroid Gland	Salivary Glands
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder
Uterus	Zymbal's Gland		

OBSERVATIONS

Clitoral Gland		Ectasia	Mild
		Hyperplasia	Focal, Mild
Note: ECTASIA TGLs = 1-8			
Liver		Basophilic Focus	Mild
		Clear Cell Focus	Minimal
		Hepatodiaphragmatic Nodule	
[Hepatodiaphragmatic Nodule TGLS = 3-3.1]			
Lung		Hyperplasia	Lymphoid, Mild
Mammary Gland		Fibroadenoma	
Note: FIBROADENOMA TGLs = 5-10.1			
Ovary		Cyst	
Note: CYST TGLs = 2-8			
Pituitary Gland	Pars Distalis	Cyst	
Note: CYST TGLs = 4-2			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 217	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 648
	DOSE: 80 PPM	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - 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	Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland
Nose	Pancreas	Parathyroid Gland	Salivary Glands
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	Uterus
Zymbal's Gland			

OBSERVATIONS

Heart		Cardiomyopathy	Chronic, Minimal
Kidney	Renal Tubule	Adenoma	
		Nephropathy	Chronic, Moderate
Liver		Basophilic Focus	Mild
Lung		Hyperplasia	Lymphoid, Mild
Ovary		Cyst	
Note: CYST TGLs = 1-8			
Pituitary Gland	Pars Distalis	Cyst	
Skin		Basal Cell Adenoma	
Note: BASAL CEL ADEN TGLs = 2-13			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 218	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 648
	DOSE: 80 PPM	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - 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	Lung
Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose	Ovary
Pancreas	Parathyroid Gland	Pituitary Gland	Salivary Glands
Skin	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	Uterus

OBSERVATIONS

Adrenal Gland	Cortex	Degeneration	Focal, Mild
Clitoral Gland		Ectasia	Moderate
		Hyperplasia	Squamous, Focal, Mild
Note: ECTASIA TGLs = 1-8			
Heart		Cardiomyopathy	Chronic, Mild
Kidney		Nephropathy	Chronic, Moderate
Liver		Basophilic Focus	Moderate
		Clear Cell Focus	Mild
		Eosinophilic Focus	Mild
		Leukemia Mononuclear	
Note: EOSIN FOCUS TGLs = 3-3.1			
Mammary Gland		Adenoma	
		Fibroadenoma	
Note: ONE NEOPLASM IS IN THE ROUTINE SECTION OF SKIN..			
Note: FIBROADENOMA TGLs = 2-13			
Spleen		Leukemia Mononuclear	
Zymbal's Gland		Ectasia	Mild
		Hyperplasia	Squamous, Focal, Minimal

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 219	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 618
	DOSE: 80 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone Marrow	Esophagus
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose	Ovary
Pancreas	Parathyroid Gland	Salivary Glands	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	Uterus

OBSERVATIONS

Brain	Cerebrum	Compression	
Note: COMPRESSION TGLs = 4-1			
Clitoral Gland		Carcinoma	
Note: CARCINOMA TGLs = 1-8			
Kidney		Nephropathy	Chronic, Mild
Liver		Basophilic Focus	Minimal
		Hematopoietic Cell Proliferation	Minimal
Lung		Hyperplasia	Lymphoid, Mild
Mammary Gland	Duct	Ectasia	Moderate
		Fibroadenoma	Multiple
Note: ECTASIA TGLs = 2-10			
Note: FIBROADENOMA TGLs = 7,8-13,14			
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA TGLs = 5-2			
Zymbal's Gland		Adenoma	
		Ectasia	Mild
Note: ADENOMA TGLs = 6-10			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 220	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 648
	DOSE: 80 PPM	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Brain	Clitoral Gland
Esophagus	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland	Nose
Ovary	Parathyroid Gland	Salivary Glands	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Trachea
Urinary Bladder	Zymbal's Gland		

OBSERVATIONS

Bone Marrow		Myelofibrosis	Moderate
Heart		Cardiomyopathy	Chronic, Minimal
Kidney		Nephropathy	Chronic, Mild
Liver		Clear Cell Focus	Mild
		Eosinophilic Focus	Moderate
		Hematopoietic Cell Proliferation	Minimal
		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 4-3.1			
Lung		Hyperplasia	Lymphoid, Mild
Ovary			
Note: LEFT OVARY IS NOT IDENTIFIED..			
Oviduct		Thrombosis	
Note: THROMBUS TGLs = 2-8.1			
Pancreas		Atrophy	Mild
Pituitary Gland	Pars Distalis	Angiectasis	Moderate
Note: ECTASIA TGLs = 5-2			
Skin		Basal Cell Carcinoma	
Note: BASAL CEL CARC TGLs = 1-13			
Spleen		Hematopoietic Cell Proliferation	Mild
		Leukemia Mononuclear	
Uterus		Polyp Stromal	Multiple
Note: POLYP STROMAL TGLs = 3-8.2			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 220	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 648
	DOSE: 80 PPM	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH	-

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 221	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 562
	DOSE: 80 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Brain	Esophagus
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Kidney	Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland
Nose	Ovary	Pancreas	Parathyroid Gland
Salivary Glands	Skin	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder
Uterus			

OBSERVATIONS

Bone Marrow		Hyperplasia	Mild
Clitoral Gland		Ectasia	Moderate
		Hyperplasia	Focal, Mild
Note: ECTASIA TGLs = 3-8			
Liver		Hematopoietic Cell Proliferation	Mild
		Leukemia Mononuclear	
Note: LEUKEMIA IS VERY EARLY..			
Lung		Hyperplasia	Lymphoid, Moderate
Pituitary Gland	Pars Distalis	Cyst	
Note: CYST TGLs = 2-2			
Spleen		Leukemia Mononuclear	
Zymbal's Gland		Carcinoma	
		Ectasia	Mild
Note: CARCINOMA TGLs = 1-10.1			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 222	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 616
	DOSE: 80 PPM	**DISP:** Moribund	**HISTO:**

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	Kidney
Nose	Ovary	Pancreas	Parathyroid Gland
Salivary Glands	Skin	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder
Zymbal's Gland			

OBSERVATIONS

Adrenal Gland	Cortex	Leukemia Mononuclear	
	Medulla	Leukemia Mononuclear	
Clitoral Gland		Adenoma	
		Carcinoma	
Note: [ADENOMA] TGLs = 1,2-8,8.1			
Note: [CARCINOMA] TGLs = 1,2-8,8.1			
Liver		Basophilic Focus	Mild
		Leukemia Mononuclear	
Lung	Alveolar Epith	Hyperplasia	Focal, Mild
		Hyperplasia	Lymphoid, Moderate
Note: HYPERPLASIA TGLs = 7-4.1			
Lymph Node	Iliac	Leukemia Mononuclear	
	Mandibular	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
	Renal	Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 5,6,9-13,14,9			
Mammary Gland	Duct	Ectasia	Moderate
Pituitary Gland		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 8-2			
Spleen		Leukemia Mononuclear	
Uterus		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 222	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 616
	DOSE: 80 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

	Polyp Stromal
Note: LEUKEMIA MONUC TGLs = 3-8.2	
PRIMARY CAUSE OF DEATH	-

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 223	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 616
	DOSE: 80 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone Marrow	Brain
Esophagus	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric
Nose	Ovary	Pancreas	Parathyroid Gland
Pituitary Gland	Salivary Glands	Skin	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Trachea
Urinary Bladder	Zymbal's Gland		

OBSERVATIONS

Bone	Sternum	Osteopetrosis	Moderate
Clitoral Gland	Bilateral	Carcinoma	
Note: CARCINOMA TGLs = 1-8.1			
Kidney		Nephropathy	Chronic, Minimal
Liver		Basophilic Focus	Minimal
	Centrilobular	Degeneration	Diffuse, Minimal
		Hematopoietic Cell Proliferation	Mild
Mammary Gland		Galactocele	
Note: GALACTOCELE TGLs = 2-10			
Spleen		Hematopoietic Cell Proliferation	Moderate
Uterus		Thrombosis	
Note: THROMBUS TGLs = 3-8.2			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 224	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 599
	DOSE: 80 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone Marrow	Brain
Esophagus	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Kidney	Lymph Node - Mandibular	Lymph Node - Mesenteric
Mammary Gland	Nose	Pancreas	Parathyroid Gland
Salivary Glands	Skin	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder

OBSERVATIONS

Clitoral Gland		Carcinoma	
		Ectasia	Marked
Note: UNILATERAL CONTRARY TO GROSS IMPRESSIONS..			
Note: CARCINOMA TGLs = 2-8.2			
Liver		Eosinophilic Focus	Moderate
		Leukemia Mononuclear	
	Centrilobular	Necrosis	Mild
		Regeneration	Multifocal, Moderate
Note: LEUKEMIA MONUC TGLs = 6-3.1			
[Leukemia Mononuclear TGLS = 7,8-3.1]			
Lung		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 9-4,4.1			
Lymph Node	Mediastinal	Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 10-13			
Ovary		Cyst	
Note: CYST TGLs = 3-8			
Pituitary Gland	Pars Distalis	Cyst	
Note: CYST TGLs = 11-2			
Spleen		Leukemia Mononuclear	
Uterus		Polyp Stromal	Multiple
Note: POLYP STROMAL TGLs = 4,5-8.1			
Zymbal's Gland		Carcinoma	

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 224	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 599
	DOSE: 80 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH	-

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 225	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 571
	DOSE: 80 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone Marrow	Brain
Esophagus	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric
Mammary Gland	Nose	Ovary	Pancreas
Parathyroid Gland	Salivary Glands	Skin	Stomach - Forestomach
Stomach - Glandular	Thyroid Gland	Trachea	Urinary Bladder
Uterus			

MISSING

Thymus

OBSERVATIONS

Bone	Sternum	Osteopetrosis	Mild
Clitoral Gland		Adenoma	
		Carcinoma	
Note: CARCINOMA TGLs = 2-8.1			
Kidney	Cortex	Cyst	
		Infarct	Chronic, Moderate
		Nephropathy	Chronic, Mild
Note: CYST TGLs = 5-5			
Liver		Basophilic Focus	Minimal
		Degeneration	Cystic, Minimal
		Granuloma	Moderate
		Hepatodiaphragmatic Nodule	
		Leukemia Mononuclear	
Note: ANOM HEPAT LOB TGLs = 8-3.1			
Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-2]			
Spleen		Hematopoietic Cell Proliferation	Moderate
		Hyperplasia	Reticulum Cell, Moderate
		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 225	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 571
	DOSE: 80 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

[Hematopoietic Cell Proliferation TGLS = 7-3]

Zymbal's Gland	Carcinoma	
	Ectasia	Mild
	Hyperplasia	Squamous, Focal, Mild

Note: CARCINOMA TGLs = 6-10.1

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 226	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 505
	DOSE: 80 PPM	**DISP:** Dead	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone Marrow	Brain
Clitoral Gland	Esophagus	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Kidney	Lymph Node - Mesenteric
Nose	Ovary	Skin	Trachea
Urinary Bladder	Uterus	Zymbal's Gland	
MISSING			
Lymph Node - Mandibular	Mammary Gland	Parathyroid Gland	Salivary Glands
Thymus	Thyroid Gland		
AUTO PRECLUDES DIAG.			
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Pancreas	Spleen	Stomach - Forestomach	Stomach - Glandular

OBSERVATIONS			
Bone	Sternum	Osteopetrosis	Moderate
Liver	Centrilobular	Degeneration	Marked
Lung		Hyperplasia	Lymphoid, Mild
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA TGLs = 2,3-2			
Zymbals Gl			
Note: ONLY ONE GLD. IS PRESENT..			
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 227	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 648
	DOSE: 80 PPM	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	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
Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland	Nose
Ovary	Pancreas	Parathyroid Gland	Salivary Glands
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Thymus	Trachea	Urinary Bladder	

OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Focal, Mild
Clitoral Gland		Adenoma	
Note: ADENOMA TGLs = 1-8.2			
Note: NOT BILATERAL AS NOTED AT NECROPSY..			
Kidney		Nephropathy	Chronic, Mild
Liver		Basophilic Focus	Mild
		Eosinophilic Focus	Moderate
Lung		Hyperplasia	Lymphoid, Mild
Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 5-2]			
Thyroid Gland	C Cell	Hyperplasia	Multifocal, Mild
Tongue		Squamous Cell Papilloma	
Note: [SQ CL PAPILLOM] TGLs = 6-13			
Uterus	Cervix	Fibrosis	Mild
		Polyp Stromal	
Note: FIBROSIS TGLs = 3-8.1			
Note: POLYP STROMAL TGLs = 2-8			
Zymbal's Gland		Ectasia	Mild
		Hyperplasia	Focal, Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 228	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 602
	DOSE: 80 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone Marrow	Esophagus
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Kidney	Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose
Ovary	Pancreas	Parathyroid Gland	Salivary Glands
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder	Uterus	Zymbal's Gland

OBSERVATIONS

Brain	Cerebrum	Astrocytoma Malignant	
Note: ASTROCYTO MAL TGLs = 5,6-1			
Clitoral Gland		Adenoma	
Note: BY GROSS DESCRIPTION LOCATED UNUSUALLY..			
Note: ADENOMA TGLs = 8-14			
Liver		Basophilic Focus	Mild
		Hematopoietic Cell Proliferation	Minimal
		Necrosis	Multifocal, Moderate
Note: NECROSIS TGLs = 4-3.1			
Lung		Hyperplasia	Lymphoid, Mild
Mammary Gland		Fibroadenoma	
Note: FIBROADENOMA TGLs = 2-13			
Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
[Hyperplasia TGLS = 7-2]			
Skin	Subcut Tiss	Abscess	Focal, Marked
Spleen		Hematopoietic Cell Proliferation	Moderate

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 229	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 436
	DOSE: 80 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - 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	Lymph Node - Mandibular
Lymph Node - Mesenteric	Mammary Gland	Nose	Ovary
Pancreas	Parathyroid Gland	Pituitary Gland	Salivary Glands
Skin	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	Zymbal's Gland

OBSERVATIONS

Adrenal Gland	Cortex	Hypertrophy	Focal, Minimal
Clitoral Gland		Adenoma	
Note: ADENOMA TGLs = 1-8.1			
Heart		Cardiomyopathy	Chronic, Minimal
Kidney		Nephropathy	Chronic, Minimal
Liver		Basophilic Focus	Minimal
		Granuloma	Minimal
		Hematopoietic Cell Proliferation	Minimal
Lung		Hyperplasia	Lymphoid, Mild
Spleen		Hematopoietic Cell Proliferation	Mild
Uterus		Polyp Stromal	
Note: POLYP STROMAL TGLs = 2-8			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 230	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 648
	DOSE: 80 PPM	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Brain	Esophagus	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Lymph Node - Mandibular	Lymph Node - Mesenteric
Nose	Ovary	Pancreas	Parathyroid Gland
Salivary Glands	Stomach - Forestomach	Stomach - Glandular	Thymus
Trachea	Urinary Bladder	Uterus	

OBSERVATIONS

Adrenal Gland	Cortex	Hypertrophy	Focal, Mild
Bone Marrow		Hyperplasia	Mild
Clitoral Gland	Bilateral	Carcinoma	
Note: CARCINOMA TGLs = 1,2-8.1,8			
Heart		Cardiomyopathy	Chronic, Mild
Kidney		Nephropathy	Chronic, Mild
Liver		Basophilic Focus	Moderate
		Hematopoietic Cell Proliferation	Minimal
		Hepatodiaphragmatic Nodule	
		Leukemia Mononuclear	
Note: ANOM HEPAT LOB TGLs = 4-3.1			
Note: LEUKEMIA MONUC TGLs = 5-3.1			
Lung		Hyperplasia	Lymphoid, Mild
Mammary Gland		Fibroadenoma	
Note: FIBROADENOMA TGLs = 3-13			
Pituitary Gland	Pars Distalis	Cyst	
Skin	Hair Follicle	Hyperplasia	Basal Cell, Multifocal, Mild
Spleen		Hematopoietic Cell Proliferation	Moderate
		Leukemia Mononuclear	
Thyroid Gland	Follicular Cel	Carcinoma	
Note: PLEOMORPHISM AND DISORGANIZATION..			
Zymbal's Gland		Ectasia	Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 306	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 616
	DOSE: 170 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone Marrow	Brain
Esophagus	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric
Nose	Ovary	Pancreas	Pituitary Gland
Salivary Glands	Skin	Stomach - Forestomach	Stomach - Glandular
Thymus	Trachea	Urinary Bladder	Uterus

MISSING

Parathyroid Gland

OBSERVATIONS

Clitoral Gland	Bilateral	Carcinoma	
Note: CARCINOMA TGLs = 2,			
Eye		Cataract	Marked
Note: CATARACT TGLs = 4-14			
Kidney		Nephropathy	Chronic, Minimal
Liver		Basophilic Focus	Mild
	Centrilobular	Degeneration	Diffuse, Minimal
		Eosinophilic Focus	Mild
		Granuloma	Mild
Mammary Gland		Fibroadenoma	
Note: FIBROADENOMA TGLs = 1-13			
Spleen		Hematopoietic Cell Proliferation	Mild
Thyroid Gland	C Cell	Carcinoma	
Zymbal's Gland		Hyperplasia	Focal, Minimal
Note: ONE GLAND PRESENT..			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 307	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 423
	DOSE: 170 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone Marrow	Brain
Esophagus	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland
Nose	Ovary	Pancreas	Parathyroid Gland
Salivary Glands	Spleen	Stomach - Forestomach	Stomach - Glandular
Thyroid Gland	Trachea	Urinary Bladder	Uterus
Zymbal's Gland			

MISSING

Thymus

OBSERVATIONS

Clitoral Gland	Adenoma	
Note: ADENOMA TGLs = 1-8		
Kidney	Nephropathy	Chronic, Minimal
Liver	Basophilic Focus	Mild
	Hematopoietic Cell Proliferation	Minimal
Lung	Hyperplasia	Lymphoid, Mild
Pituitary Gland	Pigmentation	Mild
[Pigmentation TGLS = 4-2]		
Skin	Basal Cell Adenoma	
Note: BASAL CEL ADEN TGLs = 3-10.1		
Tongue	Squamous Cell Carcinoma	
Note: SQUAM CEL CARC TGLs = 5-13		

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 308	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 486
	DOSE: 170 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - 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
Kidney	Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland
Nose	Ovary	Pancreas	Parathyroid Gland
Pituitary Gland	Salivary Glands	Skin	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Trachea
Urinary Bladder	Zymbal's Gland		

OBSERVATIONS

Clitoral Gland	Adenoma	
	Carcinoma	
Note: CARCINOMA TGLs = 2-8.1		
Heart	Cardiomyopathy	Chronic, Minimal
Liver	Basophilic Focus	Mild
Lung	Hyperplasia	Lymphoid, Mild
Spleen	Hematopoietic Cell Proliferation	Moderate
Uterus	Hydrometra	Marked
	Polyp Stromal	
Note: HYDROMETRA TGLs = 3-8		

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 309	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 648
	DOSE: 170 PPM	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone Marrow	Esophagus
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose
Ovary	Pancreas	Parathyroid Gland	Pituitary Gland
Salivary Glands	Skin	Stomach - Forestomach	Stomach - Glandular
Thymus	Trachea	Urinary Bladder	Uterus

OBSERVATIONS

Brain	Cerebellum	Astrocytoma Malignant	
Clitoral Gland		Carcinoma	
		Ectasia	Moderate
Note: CARCINOMA TGLs = 2-8.1			
Kidney		Nephropathy	Chronic, Mild
Liver		Basophilic Focus	Mild
		Hematopoietic Cell Proliferation	Moderate
Mammary Gland		Adenocarcinoma	
		Fibroadenoma	
Note: ADENOCARC TGLs = 1-13			
Spleen		Hematopoietic Cell Proliferation	Marked
Note: HEMA CELL PROL TGLs = 3-3			
Thyroid Gland	C Cell	Adenoma	
Zymbal's Gland		Ectasia	Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 310	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 477
	DOSE: 170 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone Marrow	Brain
Esophagus	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland
Nose	Ovary	Pancreas	Parathyroid Gland
Pituitary Gland	Salivary Glands	Skin	Stomach - Forestomach
Stomach - Glandular	Thyroid Gland	Trachea	Urinary Bladder
Uterus			

OBSERVATIONS

Bone	Sternum	Osteopetrosis	Moderate
Clitoral Gland		Carcinoma	
Note: OPPOSING GLD. NOT EVIDENT..NOT BILATERAL..			
Note: CARCINOMA TGLs = 1-8.1			
Kidney		Infarct	Chronic, Moderate
Note: INFARCT TGLs = 2-5			
Liver		Basophilic Focus	Marked
	Centrilobular	Degeneration	Diffuse, Minimal
		Hematopoietic Cell Proliferation	Mild
Note: DEGEN TGLs = 5-3.1			
Lung		Hyperplasia	Lymphoid, Moderate
Spleen		Hematopoietic Cell Proliferation	Moderate
[Hematopoietic Cell Proliferation TGLS = 4-3]			
Thymus		Lymphoma Malignant Lymphocytic	
Zymbal's Gland		Adenoma	
Note: ADENOMA TGLs = 6-10			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 311	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 648
	DOSE: 170 PPM	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - 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	Lymph Node - Mandibular	Lymph Node - Mesenteric
Mammary Gland	Nose	Pancreas	Parathyroid Gland
Pituitary Gland	Salivary Glands	Skin	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Trachea
Urinary Bladder	Uterus		

OBSERVATIONS

Clitoral Gl		
Note: ONE GLAND PRESENT..		
Kidney	Nephropathy	Chronic, Mild
Liver	Basophilic Focus	Mild
	Clear Cell Focus	Mild
	Eosinophilic Focus	Moderate
	Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 2-3.1		
Lung	Hyperplasia	Lymphoid, Mild
Ovary	Cyst	
Note: CYST TGLs = 1-8		
Spleen	Leukemia Mononuclear	
Zymbal's Gland	Carcinoma	
	Hyperplasia	Multifocal, Minimal

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 312	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 408
	DOSE: 170 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone Marrow	Brain	Esophagus
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Mammary Gland
Nose	Ovary	Pancreas	Parathyroid Gland
Pituitary Gland	Salivary Glands	Skin	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Trachea
Urinary Bladder	Uterus	Zymbal's Gland	

OBSERVATIONS

Adrenal Gland	Cortex	Hypertrophy	Focal, Mild
Bone	Sternum	Osteopetrosis	Mild
Clitoral Gland		Carcinoma	
Note: CARCINOMA TGLs = 1-8.1			
Intestine Large	Rectum	Parasite Metazoan	
Kidney		Nephropathy	Chronic, Minimal
Liver		Clear Cell Focus	Minimal
		Hematopoietic Cell Proliferation	Minimal
Note: HYPERBASOPHILIA AND PATCHY STAINING..			
Lung		Hyperplasia	Lymphoid, Mild
Lymph Node	Mandibular	Congestion	Mild
	Mandibular	Hyperplasia	Reticulum Cell, Mild
	Mesenteric	Hyperplasia	Reticulum Cell, Mild
Note: CONGESTION TGLs = 2-9			
Spleen		Hematopoietic Cell Proliferation	Moderate
Note: HEMA CELL PROL TGLs = 5-3			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 313	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 563
	DOSE: 170 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - 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	Kidney	Lymph Node - Mandibular
Lymph Node - Mesenteric	Nose	Ovary	Pancreas
Parathyroid Gland	Salivary Glands	Skin	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Trachea
Urinary Bladder	Uterus		

OBSERVATIONS

Liver		Basophilic Focus	Mild
		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 5-3.1			
Lung		Hyperplasia	Lymphoid, Mild
Mammary Gland		Adenocarcinoma	
Note: ADENOCARC TGLs = 1-10.1,13			
Mesentery	Fat	Necrosis	Moderate
Note: NECROSIS TGLs = 2-14			
Pituitary Gland	Pars Distalis	Cyst	
		Leukemia Mononuclear	
Spleen		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 3,4-3			
Zymbal's Gland		Ectasia	Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 314	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 550
	DOSE: 170 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone Marrow	Brain
Esophagus	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Kidney	Lymph Node - Mandibular	Lymph Node - Mesenteric
Mammary Gland	Nose	Ovary	Parathyroid Gland
Pituitary Gland	Salivary Glands	Skin	Stomach - Forestomach
Stomach - Glandular	Thyroid Gland	Trachea	Urinary Bladder
Uterus			

MISSING

Thymus

OBSERVATIONS

Clitoral Gland	Bilateral	Carcinoma	
Note: CARCINOMA TGLs = 1-8.2			
Note: INTERESTING DISPLAY OF DIFFERENTIATION BETWEEN RT.& LT..			
Liver		Basophilic Focus	Mild
	Centrilobular	Degeneration	Diffuse, Minimal
		Eosinophilic Focus	Moderate
		Hematopoietic Cell Proliferation	Mild
Note: DEGEN TGLs = 5-3.1			
Lung		Hyperplasia	Lymphoid, Moderate
Pancreas		Atrophy	Minimal
Pharynx	Mucosa, Palate	Hyperplasia	Focal, Moderate
Note: HYPERPLASIA TGLs = 4-13			
Spleen		Hematopoietic Cell Proliferation	Marked
[Hematopoietic Cell Proliferation TGLS = 3-3]			
Zymbal's Gland		Hyperplasia	Focal, Minimal

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 315	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 408
	DOSE: 170 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone Marrow	Brain
Esophagus	Intestine Large - Cecum	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Kidney
Lymph Node - Mandibular	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		Hyperplasia	Focal, Mild
Heart		Cardiomyopathy	Chronic, Minimal
Intestine Large	Colon, Descend Colon	Hemorrhage	Focal, Moderate
Note: HEMORRHAGE IS PROBABLY RELATED TO IP INJECTION..			
Note: HEMORRHAGE TGLs = 2-7			
Liver		Basophilic Focus	Mild
		Hematopoietic Cell Proliferation	Minimal
Note: HYPERBASOPHILIA AND PATCHY STAINING..			
Lung		Hyperplasia	Lymphoid, Minimal
Zymbal's Gland		Carcinoma	
Note: CARCINOMA TGLs = 1-10.1			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 316	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 597
	DOSE: 170 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - 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
Lymph Node - Mandibular	Nose	Ovary	Pancreas
Parathyroid Gland	Salivary Glands	Skin	Stomach - Forestomach
Stomach - Glandular	Thymus	Trachea	Urinary Bladder
Uterus	Zymbal's Gland		

OBSERVATIONS

Clitoral Gland	Bilateral	Carcinoma	
Note: CARCINOMA TGLs = 2-8.1,8.2			
Heart		Cardiomyopathy	Chronic, Mild
Kidney	Transit Epithe	Hyperplasia	Focal, Mild
		Nephropathy	Chronic, Mild
Liver		Basophilic Focus	Mild
		Clear Cell Focus	Mild
		Eosinophilic Focus	Moderate
		Hematopoietic Cell Proliferation	Mild
Lung		Hyperplasia	Lymphoid, Mild
Lymph Node	Mesenteric	Hyperplasia	Reticulum Cell, Mild
Mammary Gland		Adenocarcinoma	
Note: ADENOCARC TGLs = 1-13			
Pituitary Gland	Pars Distalis	Cyst	
	Pars Distalis	Hyperplasia	Focal, Mild
Note: HYPERPLASIA TGLs = 5-2			
[Hyperplasia TGLS = 6-2]			
Spleen		Hematopoietic Cell Proliferation	Marked
Note: HEMA CELL PROL TGLs = 4-3			
Thyroid Gland	Follicular Cel	Adenoma	

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 317	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 556
	DOSE: 170 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - 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	Mammary Gland
Nose	Ovary	Pancreas	Parathyroid Gland
Salivary Glands	Skin	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder

OBSERVATIONS

Adrenal Gland	Cortex	Congestion	Mild
Note: CONGESTION TGLs = 5-2			
Clitoral Gland		Ectasia	Moderate
Note: ECTASIA TGLs = 1-8			
Heart		Cardiomyopathy	Chronic, Mild
Kidney		Nephropathy	Chronic, Mild
Liver		Basophilic Focus	Mild
		Eosinophilic Focus	Mild
		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 8,9-3.1,3.2			
Lung	Alveolar Epith	Hyperplasia	Focal, Mild
		Leukemia Mononuclear	
Lymph Node	Mandibular	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 6-13			
Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
Note: [HYPERPLASIA] TGLs = 10-2			
Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 7-13]			
Uterus		Polyp Stromal	Multiple
Note: POLYP STROMAL TGLs = 3,4-8.1,8.2			
Zymbal's Gland		Adenoma	

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 317	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 556
	DOSE: 170 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

Note: ADENOMA TGLs = 11-10

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 318	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 450
	DOSE: 170 PPM	**DISP:** Moribund	**HISTO:**

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	Mammary Gland
Nose	Ovary	Pancreas	Salivary Glands
Skin	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	Uterus

MISSING

Parathyroid Gland

OBSERVATIONS

Adrenal Gland	Cortex	Leukemia Mononuclear	
	Medulla	Leukemia Mononuclear	
Clitoral Gland		Ectasia	Moderate
Kidney		Leukemia Mononuclear	
Liver		Leukemia Mononuclear	
		Necrosis	Focal, Moderate
		Regeneration	Diffuse, Moderate
Note: REGENERATION TGLs = 4,5-3.1			
Note: LEUKEMIA MONUC TGLs = 2-3.1			
Lung		Leukemia Mononuclear	
Lymph Node	Mesenteric	Hemorrhage	Mild
	Mandibular	Leukemia Mononuclear	
	Pancreatic	Pigmentation	Moderate
Note: PIGMENT TGLs = 6-6			
Note: HEMORRHAGE TGLs = 8-7			
Pituitary Gland	Pars Distalis	Cyst	
Spleen		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 7-3			
Tongue		Hyperplasia	Focal, Moderate
Note: HYPERPLASIA TGLs = 9-13			
Zymbal's Gland		Carcinoma	

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 318	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 450
	DOSE: 170 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

Note: CARCINOMA TGLs = 3-10.1

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 319	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 358
	DOSE: 170 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Brain	Esophagus
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Kidney
Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland	Nose
Ovary	Pancreas	Parathyroid Gland	Pituitary Gland
Salivary Glands	Skin	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder
Uterus	Zymbal's Gland		

OBSERVATIONS

Bone Marrow		Hyperplasia	Mild
Clitoral Gland		Adenoma	
		Carcinoma	
Note: ADENOMA TGLs = 5-8			
Note: CARCINOMA TGLs = 2-8.1			
Intestine Large	Rectum	Parasite Metazoan	
Liver		Basophilic Focus	Mild
		Hematopoietic Cell Proliferation	Mild
		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Mild
		Necrosis	Focal, Mild
Note: PATCHY STAINING..			
Lung		Hyperplasia	Lymphoid, Mild
Spleen		Hematopoietic Cell Proliferation	Moderate
[Hematopoietic Cell Proliferation TGLS = 4-3]			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 320	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 304
	DOSE: 170 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - 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	Lymph Node - Mandibular	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

Kidney		Nephropathy	Chronic, Minimal
Liver		Necrosis	Focal, Minimal
Lung		Hyperplasia	Lymphoid, Mild
Lymph Node	Mesenteric	Hyperplasia	Reticulum Cell, Minimal
Zymbal's Gland		Carcinoma	
Note: CARCINOMA TGLs = 2-10.1			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 321	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 506
	DOSE: 170 PPM	**DISP:** Dead	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone Marrow	Brain
Esophagus	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland
Nose	Ovary	Pancreas	Parathyroid Gland
Pituitary Gland	Salivary Glands	Skin	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Trachea
Urinary Bladder	Uterus	Zymbal's Gland	

OBSERVATIONS

Bone	Sternum	Osteopetrosis	Moderate
Clitoral Gland	Bilateral	Carcinoma	
Note: CARCINOMA TGLs = 1-8.1			
Kidney		Nephropathy	Chronic, Minimal
Liver		Hematopoietic Cell Proliferation	Minimal
		Hepatodiaphragmatic Nodule	
	Centrilobular	Necrosis	Moderate
[Hepatodiaphragmatic Nodule TGLS = 3-3.1]			
Lung		Hyperplasia	Lymphoid, Mild
Spleen		Hematopoietic Cell Proliferation	Marked
[Hematopoietic Cell Proliferation TGLS = 7-3]			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 322	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 571
	DOSE: 170 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone Marrow	Esophagus
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Kidney	Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland
Nose	Ovary	Pancreas	Parathyroid Gland
Pituitary Gland	Salivary Glands	Skin	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder
Uterus			

OBSERVATIONS

Brain	Cerebrum, Meninges, Nerve	Carcinoma	Metastatic (Zymbal'S Gland)
Clitoral Gland		Ectasia	Marked
Eye		Inflammation	Chronic Active, Marked
	Cornea	Necrosis	Marked
Note: NECROSIS TGLs = 1-13			
Liver		Leukemia Mononuclear	
Lung		Carcinoma	Metastatic (Zymbal'S Gland), Multiple (Zymbal'S Gland)
Note: CARCINOMA TGLs = 3-4			
Spleen		Leukemia Mononuclear	
Stomach	Forestomach	Acanthosis	Moderate
Zymbal's Gland		Carcinoma	
		Ectasia	Mild
Note: CARCINOMA TGLs = 2-10.1			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 323	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 378
	DOSE: 170 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Brain	Esophagus
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Lymph Node - Mandibular	Nose
Ovary	Pancreas	Parathyroid Gland	Pituitary Gland
Salivary Glands	Skin	Stomach - Forestomach	Stomach - Glandular
Thymus	Trachea	Urinary Bladder	Uterus

OBSERVATIONS

Bone Marrow		Hyperplasia	Mild
Clitoral Gland		Carcinoma	
Note: CARCINOMA TGLs = 1-8.1			
Heart		Cardiomyopathy	Chronic, Minimal
Intestine Large	Cecum	Hemorrhage	Focal, Moderate
Note: HEMORRHAGE TGLs = 2-7			
Kidney		Nephropathy	Chronic, Minimal
Liver		Basophilic Focus	Minimal
		Clear Cell Focus	Minimal
		Hematopoietic Cell Proliferation	Minimal
Note: PATCHY STAINING..			
Lung		Hyperplasia	Lymphoid, Mild
Lymph Node	Mesenteric	Hyperplasia	Reticulum Cell, Mild
Mammary Gland	Duct	Ectasia	Mild
Spleen		Hematopoietic Cell Proliferation	Moderate
Note: HEMA CELL PROL TGLs = 3-3			
Thyroid Gland	C Cell	Hyperplasia	Focal, Minimal
Zymbal's Gland		Ectasia	Minimal

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 324	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 562
	DOSE: 170 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Brain	Esophagus	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Kidney
Lymph Node - Mesenteric	Nose	Ovary	Pancreas
Parathyroid Gland	Salivary Glands	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder
Uterus			

OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Benign	
Bone Marrow		Hyperplasia	Mild
Clitoral Gland	Bilateral	Carcinoma	
Note: CARCINOMA TGLs = 1,3-8.1,8			
Liver		Basophilic Focus	Mild
		Eosinophilic Focus	Mild
		Hematopoietic Cell Proliferation	Mild
		Hepatodiaphragmatic Nodule	
		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 5-3.1			
Note: ANOM HEPAT LOB TGLs = 4-3.1			
Lung		Hyperplasia	Lymphoid, Mild
Lymph Node	Mandibular	Hyperplasia	Lymphoid, Moderate
Mammary Gland		Fibroadenoma	
Note: FIBROADENOMA TGLs = 2-10.1			
Pituitary Gland	Pars Distalis	Cyst	
	Pars Distalis	Hyperplasia	Focal, Moderate
Note: [HYPERPLASIA] TGLs = 7-2			
Skin		Squamous Cell Papilloma	
Note: SQ CL PAPILLOM TGLs = 8-13			
Spleen		Leukemia Mononuclear	
Zymbal's Gland		Carcinoma	

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 324	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 562
	DOSE: 170 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

Note: [CARCINOMA] TGLs = 6-10

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 325	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 373
	DOSE: 170 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - 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
Lymph Node - Mandibular	Mammary Gland	Nose	Ovary
Pancreas	Parathyroid Gland	Salivary Glands	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	Uterus

OBSERVATIONS

Clitoral Gland		Carcinoma	
		Hyperplasia	Focal, Mild
Note: CARCINOMA TGLs = 1-8.1			
Heart		Cardiomyopathy	Chronic, Minimal
Kidney		Nephropathy	Chronic, Mild
Liver		Basophilic Focus	Minimal
		Granuloma	Mild
Lung		Hyperplasia	Lymphoid, Mild
Lymph Node	Mesenteric	Hyperplasia	Reticulum Cell, Mild
Pituitary Gland	Pars Distalis	Cyst	
Note: CYST TGLs = 3-2			
Zymbal's Gland		Carcinoma	
Note: CARCINOMA TGLs = 2-10.1,10.2			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 326	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 379
	DOSE: 170 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Clitoral Gland		Hyperplasia	Focal, Mild
Note: HYPERPLASIA TGLs = 1-8			
Kidney		Nephropathy	Chronic, Mild
Liver		Granuloma	Mild
Lung		Hyperplasia	Lymphoid, Mild
Lymph Node	Mandibular	Hyperplasia	Lymphoid, Moderate
	Mesenteric	Hyperplasia	Lymphoid, Mild
Note: HYPERPLASIA TGLs = 3-9			
Uterus	Endometrium	Cyst	Mild
Note: CYST TGLs = 2-8			
Zymbal's Gland		Carcinoma	
		Ectasia	Moderate
Note: CARCINOMA TGLs = 4-10.1			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 327	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 339
	DOSE: 170 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone Marrow	Brain
Esophagus	Intestine Large - Cecum	Intestine Large - Colon	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lymph Node - Mandibular
Nose	Ovary	Pancreas	Parathyroid Gland
Pituitary Gland	Salivary Glands	Skin	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Trachea
Urinary Bladder	Uterus	Zymbal's Gland	

OBSERVATIONS

Clitoral Gland		Hyperplasia	Focal, Minimal
Heart		Cardiomyopathy	Chronic, Minimal
Intestine Large	Rectum	Parasite Metazoan	Minimal
Kidney	Renal Tubule	Pigmentation	Minimal
Liver		Basophilic Focus	Minimal
		Clear Cell Focus	Minimal
		Eosinophilic Focus	Mild
		Hepatodiaphragmatic Nodule	
		Vacuolization Cytoplasmic	Diffuse, Mild
Note: ANOM HEPAT LOB TGLs = 1-3.1			
Lung		Hyperplasia	Lymphoid, Mild
		Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Mesenteric	Hyperplasia	Reticulum Cell, Minimal
Mammary Gland		Adenocarcinoma	
Note: ADENOCARC TGLs = 2-10.1			
Skin			
Note: MASS IS MAMMARY TUMOR..			
Spleen		Hematopoietic Cell Proliferation	Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 328	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 358
	DOSE: 170 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone Marrow	Brain
Esophagus	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Lymph Node - Mandibular	Nose	Ovary
Pancreas	Parathyroid Gland	Skin	Stomach - Forestomach
Stomach - Glandular	Thyroid Gland	Trachea	Urinary Bladder
Uterus	Zymbal's Gland		

OBSERVATIONS

Clitoral Gland		Carcinoma	
Note: CARCINOMA TGLs = 1-8.1			
Kidney		Nephropathy	Chronic, Minimal
Liver		Basophilic Focus	Minimal
Lung		Hyperplasia	Lymphoid, Mild
Lymph Node	Mesenteric	Hyperplasia	Reticulum Cell, Moderate
Mammary Gland	Duct	Ectasia	Mild
Pituitary Gland	Pars Distalis	Angiectasis	Mild
Note: ECTASIA TGLs = 2-2			
Salivary Glands		Atrophy	Mild
Spleen		Hematopoietic Cell Proliferation	Moderate
Thymus		Congestion	Mild
Note: CONGESTION TGLs = 3-9			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 329	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 287
	DOSE: 170 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone Marrow	Brain
Esophagus	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Kidney	Lymph Node - Mandibular	Lymph Node - Mesenteric
Mammary Gland	Nose	Ovary	Pancreas
Parathyroid Gland	Pituitary Gland	Salivary Glands	Skin
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder	Uterus	Zymbal's Gland

OBSERVATIONS

Clitoral Gland	Bilateral	Carcinoma	
Note: CARCINOMA TGLs = 1,2-8,8.1			
Liver		Basophilic Focus	Minimal
		Hematopoietic Cell Proliferation	Minimal
Lung	Alveolar Epith	Hyperplasia	Focal, Minimal
Spleen		Hematopoietic Cell Proliferation	Moderate
[Hematopoietic Cell Proliferation TGLS = 3-3]			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 330	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 408
	DOSE: 170 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone Marrow	Brain
Esophagus	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland
Nose	Ovary	Parathyroid Gland	Pituitary Gland
Salivary Glands	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Trachea
Urinary Bladder	Uterus	Zymbal's Gland	

OBSERVATIONS

Clitoral Gland	Carcinoma	
Note: OPPOSING GLAND IS NORMAL..		
Note: CARCINOMA TGLs = 1-8.1		
Kidney	Nephropathy	Chronic, Mild
Liver	Basophilic Focus	Mild
	Hematopoietic Cell Proliferation	Minimal
Lung	Hyperplasia	Lymphoid, Mild
Pancreas	Atrophy	Minimal

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 331	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 602
	DOSE: 170 PPM	**DISP:** Moribund	**HISTO:**

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	Kidney
Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose	Ovary
Pancreas	Parathyroid Gland	Salivary Glands	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Trachea
Urinary Bladder	Uterus		

OBSERVATIONS

Adrenal Gland	Cortex	Ectasia	Mild
	Medulla	Hyperplasia	Focal, Minimal
Clitoral Gland		Adenoma	
		Carcinoma	
Note: ADENOMA TGLs = 1-8.1			
[Adenoma TGLS = 2-8.2]			
Liver		Basophilic Focus	Mild
		Eosinophilic Focus	Moderate
		Hematopoietic Cell Proliferation	Mild
Lung	Alveolar Epith	Hyperplasia	Focal, Moderate
		Hyperplasia	Lymphoid, Mild
[Hyperplasia TGLS = 7-4.2]			
Mammary Gland		Fibroadenoma	Multiple
Note: FIBROADENOMA TGLs = 3,6-13,14,16			
Pituitary Gland	Pars Distalis	Cyst	
Note: CYST TGLs = 8,9-2			
Skin		Basal Cell Adenoma	
Note: [BASAL CEL ADEN] TGLs = 11-15			
Spleen		Hematopoietic Cell Proliferation	Moderate
Note: HEMA CELL PROL TGLs = 4-3			
Zymbal's Gland		Carcinoma	
Note: CARCINOMA TGLs = 10-10,12.1			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 331	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 602
	DOSE: 170 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH	-

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 332	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 361
	DOSE: 170 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - 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
Kidney	Lymph Node - Mandibular	Nose	Ovary
Pancreas	Parathyroid Gland	Salivary Glands	Thymus
Thyroid Gland	Trachea	Urinary Bladder	Uterus
Zymbal's Gland			

OBSERVATIONS

Clitoral Gland		Adenoma	
		Carcinoma	
Note: CARCINOMA TGLs = 2-8.1			
Heart		Cardiomyopathy	Chronic, Mild
Liver		Basophilic Focus	Minimal
		Hematopoietic Cell Proliferation	Minimal
	Centrilobular	Necrosis	Diffuse, Minimal
Note: PATCHY STAINING..			
Lung		Hyperplasia	Lymphoid, Mild
	Alveolus	Pigmentation	Minimal
		Thrombosis	Minimal
Note: PIGMENT TGLs = 4-4.1			
Lymph Node	Mesenteric	Hyperplasia	Reticulum Cell, Mild
Mammary Gland	Duct	Ectasia	Mild
Pituitary Gland	Pars Distalis	Angiectasis	Mild
	Pars Distalis	Hyperplasia	Focal, Mild
Note: ECTASIA TGLs = 5-2			
[Hyperplasia TGLS = 5-2]			
Skin		Squamous Cell Papilloma	
Note: SQ CL PAPILLOM TGLs = 6-10.1			
Spleen		Hematopoietic Cell Proliferation	Moderate
Note: HEMA CELL PROL TGLs = 3-3			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 332	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 361
	DOSE: 170 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

Stomach	Glandular	Necrosis	Multifocal, Moderate
Note: NECROSIS TGLs = 8,9-6,6.1			
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 333	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 436
	DOSE: 170 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - 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
Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland	Nose
Ovary	Pancreas	Pituitary Gland	Salivary Glands
Skin	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	Uterus

MISSING

Parathyroid Gland

OBSERVATIONS

Bone	Sternum	Osteopetrosis	Moderate
Clitoral Gland		Carcinoma	
Note: CARCINOMA TGLs = 1-8.1			
Heart		Cardiomyopathy	Chronic, Minimal
Kidney		Nephropathy	Chronic, Minimal
Liver		Basophilic Focus	Minimal
		Clear Cell Focus	Minimal
		Eosinophilic Focus	Minimal
		Hematopoietic Cell Proliferation	Mild
		Vacuolization Cytoplasmic	Multifocal, Mild
Lung		Hyperplasia	Lymphoid, Minimal
Spleen		Hematopoietic Cell Proliferation	Moderate
[Hematopoietic Cell Proliferation TGLS = 2-3]			
Zymbal's Gland		Ectasia	Minimal

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 334	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 274
	DOSE: 170 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Clitoral Gland		Inflammation	Chronic Active, Minimal
Kidney		Nephropathy	Chronic, Minimal
Lung		Hyperplasia	Lymphoid, Mild
Lymph Node	Mandibular	Congestion	Mild
	Mesenteric	Hyperplasia	Reticulum Cell, Minimal
Note: CONGESTION TGLs = 1-9			
Pituitary Gl			
Note: THERE IS NO EVIDENCE OF NEOPLASIA..			
Skin			
Note: S			
Uterus	Endometrium	Cyst	Moderate
		Fibrosis	Mild
		Hydrometra	Moderate
Note: CYST TGLs = 3-8			
Note: HYDROMETRA TGLs = 2-8			
Note: FIBROSIS TGLs = 4-8			
Zymbal's Gland		Carcinoma	
		Ectasia	Mild
Note: CARCINOMA TGLs = 6-13			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 335	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 449
	DOSE: 170 PPM	**DISP:** Dead	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone Marrow	Brain
Esophagus	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Islets, Pancreatic	Kidney	Lymph Node - Mandibular
Lymph Node - Mesenteric	Mammary Gland	Nose	Ovary
Pancreas	Parathyroid Gland	Pituitary Gland	Salivary Glands
Skin	Stomach - Forestomach	Stomach - Glandular	Thyroid Gland
Trachea	Urinary Bladder	Uterus	

MISSING

Clitoral Gland

AUTO PRECLUDES DIAG.

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

OBSERVATIONS

Bone	Sternum	Osteopetrosis	Moderate
Liver		Basophilic Focus	Minimal
		Hematopoietic Cell Proliferation	Mild
	Centrilobular	Necrosis	Diffuse, Mild
Lung		Hyperplasia	Lymphoid, Mild
Spleen		Hematopoietic Cell Proliferation	Marked
[Hematopoietic Cell Proliferation TGLS = 4-3]			
Thymus		Hemorrhage	Focal, Mild
Note: HEMORRHAGE TGLs = 2-9			
Zymbal's Gland		Ectasia	Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 336	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 561
	DOSE: 170 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - 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
Kidney	Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland
Nose	Ovary	Pancreas	Parathyroid Gland
Salivary Glands	Skin	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder
Uterus			

OBSERVATIONS

Clitoral Gland	Bilateral	Carcinoma	
Note: CARCINOMA TGLs = 1-8.1			
Heart		Cardiomyopathy	Chronic, Mild
Liver		Basophilic Focus	Mild
		Clear Cell Focus	Mild
		Eosinophilic Focus	Mild
		Hematopoietic Cell Proliferation	Mild
		Necrosis	Coagulative, Marked
Note: NECROSIS SEQUEL.TO FAULTY IP INJECTION..			
Lung		Hyperplasia	Lymphoid, Moderate
Pituitary Gland	Pars Distalis	Cyst	
Note: CYST TGLs = 3-2			
Spleen		Hematopoietic Cell Proliferation	Moderate
[Hematopoietic Cell Proliferation TGLS = 4-3]			
Zymbal's Gland		Adenoma	
		Ectasia	Moderate
Note: ADENOMA TGLs = 5-10			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 337	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 648
	DOSE: 170 PPM	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Brain	Esophagus
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lung
Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose	Ovary
Pancreas	Parathyroid Gland	Salivary Glands	Skin
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

OBSERVATIONS

Bone Marrow		Myelofibrosis	Moderate
Clitoral Gland	Bilateral	Carcinoma	
Note: CARCINOMA TGLs = 1,2-8.1			
Heart		Cardiomyopathy	Chronic, Mild
Kidney		Nephropathy	Chronic, Mild
Liver		Leukemia Mononuclear	
		Necrosis	Focal, Mild
		Regeneration	Multifocal, Marked
Note: LEUKEMIA MONUC TGLs = 6-3.1			
Note: REGENERATION TGLs = 7,8-3.1			
Mammary Gland	Duct	Ectasia	Moderate
Note: ECTASIA TGLs = 5-10			
Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 4-2]			
Spleen		Leukemia Mononuclear	
Uterus	Endometrium	Cyst	
Note: CYST TGLs = 3-8			
Zymbal's Gland		Ectasia	Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 338	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 476
	DOSE: 170 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - 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
Kidney	Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose
Ovary	Pancreas	Parathyroid Gland	Salivary Glands
Skin	Stomach - Forestomach	Stomach - Glandular	Thyroid Gland
Trachea	Urinary Bladder	Uterus	

MISSING

Thymus

OBSERVATIONS

Clitoral Gland		Adenoma	
		Hyperplasia	Focal, Mild
Note: ADENOMA TGLs = 2-8.1			
Heart		Cardiomyopathy	Chronic, Mild
Liver		Basophilic Focus	Minimal
		Eosinophilic Focus	Mild
		Granuloma	Mild
		Hematopoietic Cell Proliferation	Minimal
Lung		Hyperplasia	Lymphoid, Mild
Mammary Gland	Duct	Ectasia	Moderate
		Fibroadenoma	
Note: ECTASIA TGLs = 1-10			
Note: FIBROADENOMA TGLs = 5-10.1			
Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 4-2]			
Spleen		Hematopoietic Cell Proliferation	Moderate
Zymbal's Gland		Ectasia	Minimal

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 339	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 641
	DOSE: 170 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone Marrow	Brain
Esophagus	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Lymph Node - Mesenteric	Mammary Gland	Nose
Ovary	Pancreas	Parathyroid Gland	Pituitary Gland
Salivary Glands	Spleen	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder
Uterus			

OBSERVATIONS

Clitoral Gland	Bilateral	Adenoma	
Note: ADENOMA TGLs = 1-8			
Kidney		Nephropathy	Chronic, Mild
Liver		Basophilic Focus	Mild
		Eosinophilic Focus	Mild
		Granuloma	Moderate
		Hepatodiaphragmatic Nodule	Multiple
	Bile Duct	Hyperplasia	Mild
Note: ANOM HEPAT LOB TGLs = 2-3.1			
Lung		Hyperplasia	Lymphoid, Mild
Lymph Node	Mandibular	Hyperplasia	Lymphoid, Marked
Note: HYPERPLASIA TGLs = 3-9			
Pharynx	Palate	Squamous Cell Papilloma	
Note: SQ CL PAPILLOM TGLs = 6-15			
Skin		Basal Cell Adenoma	
		Squamous Cell Papilloma	Multiple
Note: SQ CL PAPILLOM TGLs = 4,7-13,16			
Note: BASAL CEL ADEN TGLs = 5-14			
Zymbal's Gland		Hyperplasia	Squamous, Focal, Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 340	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 436
	DOSE: 170 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone Marrow	Brain
Esophagus	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Kidney	Lymph Node - Mandibular	Lymph Node - Mesenteric
Mammary Gland	Nose	Ovary	Pancreas
Parathyroid Gland	Pituitary Gland	Salivary Glands	Skin
Stomach - Forestomach	Stomach - Glandular	Thyroid Gland	Trachea
Urinary Bladder	Zymbal's Gland		

MISSING

Thymus

OBSERVATIONS

Bone	Sternum	Osteopetrosis	Marked
Clitoral Gland		Carcinoma	
		Ectasia	Moderate
Note: CARCINOMA TGLs = 2-8.1			
Liver		Basophilic Focus	Moderate
	Centrilobular	Degeneration	Diffuse, Mild
		Fatty Change	Moderate
		Hematopoietic Cell Proliferation	Minimal
Note: DEGEN TGLs = 4-3.1			
Lung		Hyperplasia	Lymphoid, Mild
		Infiltration Cellular	Histiocyte, Mild
Spleen		Hematopoietic Cell Proliferation	Marked
[Hematopoietic Cell Proliferation TGLS = 6-3]			
Uterus		Polyp Stromal	
Note: POLYP STROMAL TGLs = 3-8			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 341	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 287
	DOSE: 170 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone Marrow	Brain
Esophagus	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Kidney	Lymph Node - Mandibular	Lymph Node - Mesenteric
Mammary Gland	Nose	Ovary	Pancreas
Parathyroid Gland	Pituitary Gland	Salivary Glands	Skin
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder	Uterus	Zymbal's Gland

OBSERVATIONS

Clitoral Gland		Carcinoma	
Note: CARCINOMA TGLs = 1-8.1			
Liver		Basophilic Focus	Minimal
	Centrilobular	Degeneration	Diffuse, Mild
		Hematopoietic Cell Proliferation	Minimal
Note: DEGEN TGLs = 4-3.1			
Lung		Hyperplasia	Lymphoid, Mild
	Alveolus	Pigmentation	Mild
Spleen		Hematopoietic Cell Proliferation	Moderate
[Hematopoietic Cell Proliferation TGLS = 2-3]			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 342	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 419
	DOSE: 170 PPM	**DISP:** Dead	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Esophagus	Intestine Large - Cecum	Intestine Large - Colon	Islets, Pancreatic
Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland	Nose
Ovary	Pancreas	Parathyroid Gland	Salivary Glands
Skin	Stomach - Forestomach	Stomach - Glandular	Thyroid Gland
Trachea	Urinary Bladder	Uterus	

AUTO PRECLUDES DIAG.

Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum

OBSERVATIONS

Adrenal Gland	Cortex	Vacuolization Cytoplasmic	Diffuse, Moderate
Clitoral Gland		Adenoma	
Note: ADENOMA TGLs = 1-8.1			
Heart		Cardiomyopathy	Chronic, Minimal
Kidney		Nephropathy	Chronic, Mild
Liver		Fatty Change	Marked
		Leukemia Mononuclear	
	Centrilobular	Necrosis	Diffuse, Marked
		Regeneration	Diffuse, Moderate
Note: NECROSIS TGLs = 4-3.1			
Note: REGENERATION TGLs = 5-9			
Lung		Hyperplasia	Lymphoid, Mild
Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
	Pars Distalis	Necrosis	Focal, Minimal
[Hyperplasia TGLS = 7-2]			
Spleen		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 2-3			
Thymus		Hemorrhage	Focal, Mild
Note: HEMORRHAGE TGLs = 5-9			
Zymbal's Gland		Ectasia	Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 342	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 419
	DOSE: 170 PPM	**DISP:** Dead	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 343	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 476
	DOSE: 170 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone Marrow	Brain
Esophagus	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose
Pancreas	Parathyroid Gland	Salivary Glands	Skin
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

OBSERVATIONS

Clitoral Gland		Adenoma	
		Carcinoma	
Note: CARCINOMA TGLs = 2-8.1			
Note: ADENOMA TGLs = 1-8			
Kidney		Nephropathy	Chronic, Minimal
Liver		Basophilic Focus	Mild
		Hematopoietic Cell Proliferation	Minimal
Lung		Hyperplasia	Lymphoid, Mild
Mammary Gland		Adenocarcinoma	
Note: ADENOCARC TGLs = 3-10.1			
Ovary		Cyst	Moderate
Note: CYST TGLs = 5-8			
Pituitary Gland	Pars Distalis	Cyst	
Note: CYST TGLs = 9-2			
Spleen		Hematopoietic Cell Proliferation	Moderate
Uterus		Fibrosis	Moderate
Note: FIBROSIS TGLs = 4-8			
Zymbal's Gland		Carcinoma	
		Ectasia	Moderate
Note: CARCINOMA TGLs = 7-10.2			
Note: ECTASIA TGLs = 10-10			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 344	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 483
	DOSE: 170 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Brain	Esophagus
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Kidney	Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland
Nose	Ovary	Pancreas	Parathyroid Gland
Pituitary Gland	Salivary Glands	Skin	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Trachea
Urinary Bladder	Uterus		

OBSERVATIONS

Bone Marrow	Hyperplasia	Mild
Clitoral Gland	Carcinoma	
Note: CARCINOMA TGLs = 1-8.1		
Liver	Basophilic Focus	Moderate
	Hematopoietic Cell Proliferation	Mild
Lung	Hyperplasia	Lymphoid, Mild
Spleen	Hematopoietic Cell Proliferation	Moderate
[Hematopoietic Cell Proliferation TGLS = 3-3]		
Zymbal's Gland	Carcinoma	
Note: CARCINOMA TGLs = 2-10,10.1		

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 345	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 483
	DOSE: 170 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone Marrow	Brain
Esophagus	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Lymph Node - Mandibular	Lymph Node - Mesenteric	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		Carcinoma	
		Ectasia	Moderate
Note: CARCINOMA TGLs = 1-8.1			
Kidney		Nephropathy	Chronic, Minimal
Liver		Basophilic Focus	Minimal
Lung		Hyperplasia	Lymphoid, Mild
Mammary Gland		Fibroadenoma	
Note: FIBROADENOMA TGLs = 2-13			
Pharynx	Mucosa, Palate	Hyperplasia	Focal, Moderate
Zymbal's Gland		Ectasia	Mild
		Hyperplasia	Squamous, Focal, Minimal

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 346	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 424
	DOSE: 170 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone Marrow	Brain
Clitoral Gland	Esophagus	Heart	Intestine Large - Cecum
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland
Nose	Ovary	Pancreas	Parathyroid Gland
Pituitary Gland	Salivary Glands	Skin	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

OBSERVATIONS

Intestine Large	Colon, Descend Colon	Polyp Adenomatous	
Note: POLYP ADENOMAT TGLs = 3-7.1			
Kidney		Nephropathy	Chronic, Minimal
Liver		Basophilic Focus	Minimal
		Clear Cell Focus	Mild
		Eosinophilic Focus	Mild
Lung		Hyperplasia	Lymphoid, Mild
Spleen		Hematopoietic Cell Proliferation	Mild
Uterus		Polyp Stromal	
Note: POLYP STROMAL TGLs = 2-8			
Zymbal's Gland		Carcinoma	
Note: CARCINOMA TGLs = 1-10			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 347	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 358
	DOSE: 170 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone Marrow	Brain
Esophagus	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Kidney	Lymph Node - Mandibular	Mammary Gland
Nose	Ovary	Pancreas	Parathyroid Gland
Pituitary Gland	Salivary Glands	Skin	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Trachea
Urinary Bladder	Uterus	Zymbal's Gland	

OBSERVATIONS

Clitoral Gland		Carcinoma	
Note: CARCINOMA TGLs = 2-8.1			
Eye		Cataract	Moderate
	Retina	Degeneration	Moderate
		Synechia	Mild
Note: CATARACT TGLs = 1-13			
Liver		Hematopoietic Cell Proliferation	Minimal
Lung		Hyperplasia	Lymphoid, Mild
Lymph Node	Mesenteric	Hyperplasia	Reticulum Cell, Mild
Spleen		Hematopoietic Cell Proliferation	Moderate
		Infarct	Moderate
Note: INFARCT TGLs = 4-3			
[Hematopoietic Cell Proliferation TGLS = 3-3]			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 348	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 378
	DOSE: 170 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Brain	Esophagus
Intestine Large - Cecum	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Lymph Node - Mandibular	Mammary Gland
Nose	Ovary	Pancreas	Parathyroid Gland
Salivary Glands	Skin	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder
Uterus			

OBSERVATIONS

Bone Marrow		Hyperplasia	Mild
Clitoral Gland	Bilateral	Carcinoma	
Note: CARCINOMA TGLs = 5,8-8,8.1			
Heart		Cardiomyopathy	Chronic, Minimal
Intestine Large	Colon	Parasite Metazoan	
Kidney		Nephropathy	Chronic, Minimal
	Renal Tubule	Pigmentation	Minimal
Liver		Basophilic Focus	Minimal
		Hematopoietic Cell Proliferation	Minimal
Lung	Alveolar Epith	Hyperplasia	Focal, Minimal
		Hyperplasia	Lymphoid, Mild
Lymph Node	Mesenteric	Hyperplasia	Reticulum Cell, Mild
Pituitary Gland	Pars Distalis	Cyst	
Note: CYST TGLs = 7-2			
Spleen		Hematopoietic Cell Proliferation	Moderate
Note: HEMA CELL PROL TGLs = 3-3			
Zymbal's Gland		Carcinoma	
		Hyperplasia	Squamous, Focal, Minimal
Note: CARCINOMA TGLs = 6-10			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 349	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 550
	DOSE: 170 PPM	**DISP:** Moribund	**HISTO:**

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	Nose
Ovary	Parathyroid Gland	Pituitary Gland	Salivary Glands
Skin	Stomach - Forestomach	Stomach - Glandular	Thyroid Gland
Trachea	Urinary Bladder	Zymbal's Gland	

OBSERVATIONS

Adrenal Gland	Cortex	Leukemia Mononuclear	
	Medulla	Leukemia Mononuclear	
Heart		Leukemia Mononuclear	
Kidney		Nephropathy	Chronic, Minimal
	Renal Tubule	Pigmentation	Moderate
Note: PIGMENT TGLs = 11-5			
Liver		Leukemia Mononuclear	
		Regeneration	Focal, Mild
Note: LEUKEMIA MONUC TGLs = 10-3.1			
Lung		Leukemia Mononuclear	
Lymph Node	Lumbar	Leukemia Mononuclear	
	Mandibular	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
	Thoracic	Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 4,5,7,8,9,13-10.1,13,13.1,7,6,9			
Mammary Gland	Duct	Ectasia	Moderate
Note: ECTASIA TGLs = 14-10			
Pancreas		Leukemia Mononuclear	
Skeletal Muscle	Intercostal	Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 12-14			
Spleen		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 349	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 550
	DOSE: 170 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

Note: LEUKEMIA MONUC TGLs = 1-3		
Thymus	Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 6-9		
Uterus	Hydrometra	Moderate
Note: HYDROMETRA TGLs = 2-8		

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 350	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 344
	DOSE: 170 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone Marrow	Brain
Esophagus	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Lymph Node - Mandibular	Mammary Gland	Nose
Ovary	Pancreas	Parathyroid Gland	Salivary Glands
Skin	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	Uterus

OBSERVATIONS

Clitoral Gland	Bilateral	Carcinoma	
Note: CARCINOMA TGLs = 1,2-8,8.1			
Kidney		Nephropathy	Chronic, Minimal
Liver		Basophilic Focus	Minimal
		Hematopoietic Cell Proliferation	Minimal
Lung		Carcinoma	Metastatic (Clitoral Gland)
		Hyperplasia	Lymphoid, Mild
Lymph Node	Mesenteric	Hyperplasia	Reticulum Cell, Mild
Mesentery	Fat	Necrosis	Mild
Note: NECROSIS TGLs = 3-13			
Note: MESENTERIC NODULE IS TISSUE NOS..			
Pituitary Gland	Pars Distalis	Cyst	
Spleen		Hematopoietic Cell Proliferation	Mild
Zymbal's Gland		Ectasia	Mild
		Hyperplasia	Focal, Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 351	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 550
	DOSE: 170 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - 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	Lymph Node - Mandibular	Lymph Node - Mesenteric
Mammary Gland	Nose	Ovary	Pancreas
Parathyroid Gland	Skin	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

OBSERVATIONS

Kidney		Nephropathy	Chronic, Mild
Liver		Hematopoietic Cell Proliferation	Minimal
		Leukemia Mononuclear	
		Necrosis	Multifocal, Minimal
Note: LEUKEMIA MONUC TGLs = 3-3.1			
Lung		Hyperplasia	Lymphoid, Moderate
Pituitary Gland	Pars Distalis	Cyst	
Salivary Glands		Schwannoma Malignant	
Note: [SCHWANNOMA MAL] TGLs = 2-9,9.1			
Spleen		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 4-3			
Stomach	Forestomach	Acanthosis	Mild
Uterus	Endometrium	Cyst	Moderate
Note: CYST TGLs = 1-8			
Zymbal's Gland		Ectasia	Marked
		Hyperplasia	Squamous, Focal, Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 352	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 379
	DOSE: 170 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone Marrow	Brain
Esophagus	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Islets, Pancreatic
Kidney	Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland
Nose	Ovary	Pancreas	Parathyroid Gland
Salivary Glands	Skin	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder
Uterus			

OBSERVATIONS

Clitoral Gland		Carcinoma	
Note: CARCINOMA TGLs = 2-8.1			
Intestine Small	Jejunum	Adenocarcinoma	Cystic, Mucinous
Note: ADENOCARC TGLs = 5-6			
Liver		Basophilic Focus	Minimal
		Clear Cell Focus	Minimal
		Hematopoietic Cell Proliferation	Minimal
		Vacuolization Cytoplasmic	Diffuse, Mild
Note: VACUOLIZ CYTO TGLs = 7-3.1			
Lung		Hyperplasia	Lymphoid, Mild
Mesentery	Fat	Accessory Spleen	
Note: ACCESSORY SPLN TGLs = 4-3			
Pituitary Gland	Pars Distalis	Cyst	
Note: CYST TGLs = 6-2			
Spleen		Hematopoietic Cell Proliferation	Moderate
[Hematopoietic Cell Proliferation TGLS = 3-3]			
Zymbal's Gland		Hyperplasia	Focal, Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 353	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 648
	DOSE: 170 PPM	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - 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
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose
Ovary	Parathyroid Gland	Pituitary Gland	Salivary Glands
Skin	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

OBSERVATIONS

Clitoral Gland		Carcinoma	
		Ectasia	Mild
		Hyperplasia	Squamous, Multifocal, Minimal
Note: CARCINOMA TGLs = 1-8.1			
Heart		Cardiomyopathy	Chronic, Mild
Kidney		Nephropathy	Chronic, Mild
Liver		Basophilic Focus	Mild
		Clear Cell Focus	Minimal
		Leukemia Mononuclear	
Mammary Gland		Adenocarcinoma	
Note: ADENOCARC TGLs = 5-13			
Pancreas		Atrophy	Mild
Spleen		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 4-3			
Uterus	Cervix	Fibrosis	Mild
Note: FIBROSIS TGLs = 3-8.2			
Zymbal's Gland		Ectasia	Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 354	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 648
	DOSE: 170 PPM	**DISP:** Terminal Sacrifice	**HISTO:**

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	Lymph Node - Mandibular	Lymph Node - Mesenteric
Nose	Ovary	Pancreas	Parathyroid Gland
Salivary Glands	Skin	Stomach - Forestomach	Stomach - Glandular
Thymus	Trachea	Urinary Bladder	Uterus

OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Multifocal, Mild
	Cortex	Hypertrophy	Multifocal, Mild
Clitoral Gland		Ectasia	Moderate
Note: ONE GLAND IS PRESENT..			
Note: ECTASIA TGLs = 2-8			
Heart		Cardiomyopathy	Chronic, Mild
Kidney		Nephropathy	Chronic, Mild
Liver		Basophilic Focus	Moderate
		Clear Cell Focus	Mild
Lung		Hyperplasia	Lymphoid, Mild
Mammary Gland	Duct	Ectasia	Moderate
		Fibroadenoma	
Note: FIBROADENOMA TGLs = 1-13			
Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Cyst	
Note: CYST TGLs = 4-2			
Spleen		Hematopoietic Cell Proliferation	Mild
Thyroid Gland	C Cell	Adenoma	
Zymbal's Gland		Hyperplasia	Squamous, Focal, Minimal

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 355	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 562
	DOSE: 170 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone Marrow	Brain
Esophagus	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Lymph Node - Mesenteric	Nose	Ovary
Pancreas	Parathyroid Gland	Salivary Glands	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

OBSERVATIONS

Clitoral Gland		Carcinoma	
Note: CARCINOMA TGLs = 2-8.1			
Kidney		Nephropathy	Chronic, Minimal
Liver		Basophilic Focus	Mild
		Hematopoietic Cell Proliferation	Mild
Note: HYPERBASOPHILIA..			
Lung		Carcinoma	Metastatic (Uncertain Primary Site)
		Hyperplasia	Lymphoid, Mild
Note: PRIMARY-SITE IS CLITORAL			
Note: CARCINOMA TGLs = 12-4.1			
Lymph Node	Axillary, Mandibular, Renal	Carcinoma	Metastatic (Uncertain Primary Site)
Note: CARCINOMA TGLs = 5,10-13,18			
Note: PRIMARY-SITE IS CLITORAL			
Mammary Gland		Adenocarcinoma	Multiple
Note: ADENOCARC TGLs = 3,11-14,19			
Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 13-2]			
Skin	Subcut Tiss	Carcinoma	Metastatic (Uncertain Primary Site)
Note: [CARCINOMA] TGLs = 1,4-10.1,15			
Note: PRIMARY-SITE IS CLITORAL GLAND			
Spleen		Hematopoietic Cell Proliferation	Marked
Note: HEMA CELL PROL TGLs = 8-3			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 355	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 562
	DOSE: 170 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

Uterus	Polyp Stromal	
Note: POLYP STROMAL TGLs = 6-16		
Zymbal's Gland	Ectasia	Mild
	Hyperplasia	Focal, Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 356	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 309
	DOSE: 170 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone Marrow	Brain
Esophagus	Heart	Intestine Large - Cecum	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Lymph Node - Mandibular	Mammary Gland	Nose	Ovary
Pancreas	Parathyroid Gland	Pituitary Gland	Salivary Glands
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Thyroid Gland	Trachea	Urinary Bladder	Zymbal's Gland

OBSERVATIONS

Clitoral Gland		Atrophy	Mild
Intestine Large	Colon	Sarcoma Stromal	Metastatic (Uterus)
Note: SARC STROMAL TGLs = 3-8.2			
Kidney		Atrophy	Moderate
		Hydronephrosis	Moderate
	Renal Tubule	Pigmentation	Minimal
Note: HYDRONEPHROSIS TGLs = 4,5-5			
Note: RENAL ATROPHY A RESULT OF HYDRONEPHROSIS..			
Liver		Eosinophilic Focus	Minimal
Lung		Hyperplasia	Lymphoid, Mild
Lymph Node	Mesenteric	Atrophy	Moderate
	Mesenteric	Hyperplasia	Reticulum Cell, Minimal
Mesentery		Sarcoma Stromal	Metastatic (Uterus)
Note: SEVERAL METASTATIC SITES OCCUR..			
Thymus		Atrophy	Moderate
Ureter		Dilatation	Moderate
Note: DILATATION TGLs = 6-5			
Uterus		Sarcoma Stromal	
Note: SARC STROMAL TGLs = 2-8.1,8			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 357	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 483
	DOSE: 170 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone Marrow	Brain
Esophagus	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Kidney	Lung	Lymph Node - Mandibular
Lymph Node - Mesenteric	Nose	Ovary	Pancreas
Parathyroid Gland	Salivary Glands	Skin	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

OBSERVATIONS

Clitoral Gland		Carcinoma	
Note: [CARCINOMA] TGLs = 1-8.1			
Note: OPPOSING GLD. IS NOT PRESENT..			
Liver		Basophilic Focus	Minimal
		Hematopoietic Cell Proliferation	Mild
Mammary Gland		Adenocarcinoma	
	Duct	Ectasia	Moderate
Note: EARLY ADENOCA. WITHIN AN ADENOMA..			
Note: ADENOCARC TGLs = 6-13			
Pituitary Gland	Pars Distalis	Cyst	
Note: CYST TGLs = 5-2			
Spleen		Hematopoietic Cell Proliferation	Marked
[Hematopoietic Cell Proliferation TGLS = 3-3]			
Uterus	Endometrium	Cyst	Moderate
Note: CYST TGLs = 2-8			
Zymbal's Gland		Ectasia	Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 358	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 616
	DOSE: 170 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Brain	Esophagus
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland	Nose
Ovary	Pancreas	Parathyroid Gland	Pituitary Gland
Salivary Glands	Skin	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder
Uterus			

OBSERVATIONS

Bone Marrow		Hyperplasia	Mild
Clitoral Gland	Bilateral	Carcinoma	
Note: CARCINOMA TGLs = 1,2-8.1			
Kidney		Nephropathy	Chronic, Minimal
Liver		Basophilic Focus	Minimal
		Clear Cell Focus	Mild
		Eosinophilic Focus	Moderate
		Hematopoietic Cell Proliferation	Minimal
Lung		Hyperplasia	Lymphoid, Mild
Spleen		Hematopoietic Cell Proliferation	Mild
Zymbal's Gland		Hyperplasia	Squamous, Focal, Minimal

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 359	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 550
	DOSE: 170 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone Marrow	Brain
Esophagus	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Kidney	Lymph Node - Mandibular	Lymph Node - Mesenteric
Mammary Gland	Ovary	Pancreas	Parathyroid Gland
Salivary Glands	Skin	Stomach - Forestomach	Stomach - Glandular
Thyroid Gland	Trachea	Urinary Bladder	Uterus

MISSING

Thymus

OBSERVATIONS

Clitoral Gland	Bilateral	Carcinoma	
Note: CARCINOMA TGLs = 1-8.1			
Liver		Basophilic Focus	Minimal
	Centrilobular	Degeneration	Diffuse, Mild
		Eosinophilic Focus	Moderate
		Hematopoietic Cell Proliferation	Mild
Lung		Hyperplasia	Lymphoid, Mild
Nose		Inflammation	Acute, Mild
Pituitary Gland	Pars Distalis	Cyst	
Note: CYST TGLs = 4-2			
Spleen		Hematopoietic Cell Proliferation	Marked
[Hematopoietic Cell Proliferation TGLS = 3-3]			
Zymbal's Gland		Carcinoma	
Note: CARCINOMA TGLs = 5-10.1			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 360	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 436
	DOSE: 170 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone Marrow	Brain
Esophagus	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Kidney	Lymph Node - Mandibular	Mammary Gland
Nose	Ovary	Pancreas	Parathyroid Gland
Pituitary Gland	Salivary Glands	Skin	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

OBSERVATIONS

Clitoral Gland		Adenoma	
		Carcinoma	
Note: ADENOMA TGLs = 2-8			
Note: CARCINOMA TGLs = 1-8.1			
Liver		Basophilic Focus	Mild
		Clear Cell Focus	Minimal
		Hematopoietic Cell Proliferation	Minimal
Note: PATCHY STAINING..			
Lung		Alveolar/Bronchiolar Adenoma	
		Hyperplasia	Lymphoid, Mild
[Alveolar/Bronchiolar Adenoma TGLS = 4-4]			
Lymph Node	Mesenteric	Hyperplasia	Reticulum Cell, Moderate
Spleen		Hematopoietic Cell Proliferation	Moderate
[Hematopoietic Cell Proliferation TGLS = 5-3]			
Stomach			
Note: "FLOATER" OF CLITORAL GLD. TUMOR PRESENT NEAR STOMACH SECT.			
Uterus		Polyp Stromal	
Note: POLYP STROMAL TGLs = 3-8			
Zymbal's Gland		Ectasia	Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 361	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 648
	DOSE: 170 PPM	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone Marrow	Clitoral Gland
Esophagus	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland
Nose	Ovary	Pancreas	Parathyroid Gland
Salivary Glands	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Trachea
Urinary Bladder	Zymbal's Gland		

OBSERVATIONS

Brain	Meninges	Infiltration Cellular	Mononuclear Cl, Mild
Kidney		Nephropathy	Chronic, Minimal
Liver		Basophilic Focus	Mild
		Clear Cell Focus	Minimal
Lung		Hyperplasia	Lymphoid, Mild
Pituitary Gland	Pars Distalis	Angiectasis	Mild
	Pars Distalis	Hyperplasia	Focal, Mild
[Hyperplasia TGLS = 2-2]			
Uterus	Cervix	Adenoma	Papillary
Note: ADENOMA TGLs = 1-8.1			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 362	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 339
	DOSE: 170 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - 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
Kidney	Lymph Node - Mandibular	Mammary Gland	Nose
Ovary	Pancreas	Parathyroid Gland	Pituitary Gland
Salivary Glands	Skin	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder
Uterus			

OBSERVATIONS

Clitoral Gland		Carcinoma	
Note: CARCINOMA TGLs = 1-8.1			
Heart		Cardiomyopathy	Chronic, Minimal
Liver		Clear Cell Focus	Mild
		Hematopoietic Cell Proliferation	Minimal
Lung		Hyperplasia	Lymphoid, Mild
		Infiltration Cellular	Histiocyte, Mild
Lymph Node	Mesenteric	Hyperplasia	Reticulum Cell, Mild
Spleen		Hematopoietic Cell Proliferation	Moderate
Note: HEMA CELL PROL TGLs = 2-3			
Zymbal's Gland		Hyperplasia	Focal, Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 363	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 563
	DOSE: 170 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone Marrow	Brain
Esophagus	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose
Ovary	Parathyroid Gland	Salivary Glands	Skin
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder	Zymbal's Gland	

OBSERVATIONS

Clitoral Gland	Bilateral	Carcinoma	
Note: CARCINOMA TGLs = 1,3-8,8.1			
Kidney		Nephropathy	Chronic, Minimal
Liver		Basophilic Focus	Mild
		Clear Cell Focus	Minimal
		Granuloma	Mild
		Hematopoietic Cell Proliferation	Minimal
Lung		Hyperplasia	Lymphoid, Mild
Mammary Gland		Fibroadenoma	
Note: FIBROADENOMA TGLs = 2-10.1			
Pancreas		Atrophy	Mild
Pharynx	Palate	Squamous Cell Papilloma	
Note: SQ CL PAPILLOM TGLs = 5-13			
Pituitary Gland	Pars Distalis	Cyst	
Spleen		Hematopoietic Cell Proliferation	Moderate
Uterus		Polyp Stromal	
Note: POLYP STROMAL TGLs = 4-8.2			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 364	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 465
	DOSE: 170 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone Marrow	Brain
Esophagus	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose
Ovary	Pancreas	Parathyroid Gland	Pituitary Gland
Skin	Stomach - Forestomach	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

OBSERVATIONS

Clitoral Gland		Adenoma	
Note: ADENOMA TGLs = 1-8.1			
Note: NEOPLASM IS NOT BILATERAL..OPPOSING GLD IS ATROPHIC..			
Kidney		Nephropathy	Chronic, Minimal
Liver		Fatty Change	Mild
Lung		Adenocarcinoma	Metastatic (Mammary Gland), Multiple (Mammary Gland)
Mammary Gland		Adenocarcinoma	
Note: ADENOCARC TGLs = 5-10.2			
Salivary Glands		Atrophy	Moderate
Note: ATROPHY TGLs = 3-9			
Skin			
Note: SKIN NODULE,AX. AREA,TGL#4 IS MISSING FROM TISS. CUP..			
Spleen		Hematopoietic Cell Proliferation	Mild
Stomach	Glandular	Erosion	Focal, Mild
Note: EROSION TGLs = 7-6			
Uterus	Endometrium	Cyst	Moderate
Note: CYST TGLs = 2-8			
Zymbal's Gland		Ectasia	Minimal

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 365	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 533
	DOSE: 170 PPM	**DISP:** Dead	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone Marrow	Brain
Esophagus	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Kidney	Lymph Node - Mandibular	Lymph Node - Mesenteric
Mammary Gland	Nose	Ovary	Pancreas
Parathyroid Gland	Pituitary Gland	Salivary Glands	Skin
Stomach - Forestomach	Thymus	Thyroid Gland	Trachea
Urinary Bladder	Uterus	Zymbal's Gland	

OBSERVATIONS

Bone	Sternum	Osteopetrosis	Marked
Clitoral Gland		Ectasia	Marked
Note: OPPOSING GLD. IS NOT PRESENT..			
Note: ECTASIA TGLs = 1-8.1			
Liver		Basophilic Focus	Minimal
	Centrilobular	Degeneration	Diffuse, Marked
		Hematopoietic Cell Proliferation	Minimal
Note: DEGEN TGLs = 2-3.1			
Lung		Hyperplasia	Lymphoid, Mild
Spleen		Hematopoietic Cell Proliferation	Marked
[Hematopoietic Cell Proliferation TGLS = 3-3]			
Stomach	Glandular	Erosion	Multifocal, Minimal

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 366	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 450
	DOSE: 170 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - 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	Kidney	Lymph Node - Mandibular	Lymph Node - Mesenteric
Mammary Gland	Nose	Ovary	Pancreas
Parathyroid Gland	Pituitary Gland	Salivary Glands	Skin
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder	Uterus	

OBSERVATIONS

Heart		Cardiomyopathy	Chronic, Mild
Liver		Basophilic Focus	Minimal
		Eosinophilic Focus	Mild
		Granuloma	Mild
Lung		Hyperplasia	Lymphoid, Mild
Pharynx	Palate	Squamous Cell Papilloma	
Note: SQ CL PAPILLOM TGLs = 2-13			
Spleen		Hematopoietic Cell Proliferation	Mild
Zymbal's Gland		Carcinoma	
		Ectasia	Moderate
Note: CARCINOMA TGLs = 1-10.1			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 367	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 527
	DOSE: 170 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - 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	Kidney	Lymph Node - Mandibular	Lymph Node - Mesenteric
Nose	Ovary	Pancreas	Parathyroid Gland
Pituitary Gland	Salivary Glands	Skin	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Trachea
Urinary Bladder	Uterus		

OBSERVATIONS

Bone Marrow		Hyperplasia	Mild
Clitoral Gl			
Note: ONE GLD. EXAMINED..			
Liver		Basophilic Focus	Minimal
		Clear Cell Focus	Mild
		Eosinophilic Focus	Mild
		Hematopoietic Cell Proliferation	Mild
Lung		Hyperplasia	Lymphoid, Mild
Mammary Gland		Adenocarcinoma	
	Duct	Ectasia	Moderate
		Fibroadenoma	
Note: ECTASIA TGLs = 4-10			
Note: ADENOCARC TGLs = 2-10.2			
[Ectasia TGLS = 1-10.1]			
Spleen		Hematopoietic Cell Proliferation	Moderate
[Hematopoietic Cell Proliferation TGLS = 3-3]			
Zymbal's Gland		Ectasia	Moderate

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 368	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 483
	DOSE: 170 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - 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
Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose	Ovary
Pancreas	Parathyroid Gland	Salivary Glands	Skin
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder	Uterus	

OBSERVATIONS

Adrenal Gland	Medulla	Hematopoietic Cell Proliferation	Mild
Clitoral Gland		Carcinoma	
Note: CARCINOMA TGLs = 3-8.1			
Kidney		Nephropathy	Chronic, Mild
Liver		Basophilic Focus	Minimal
		Eosinophilic Focus	Mild
		Hematopoietic Cell Proliferation	Mild
Note: HYPERBASOPHILIA..			
Lung	Alveolar Epith	Hyperplasia	Focal, Minimal
		Hyperplasia	Lymphoid, Mild
[Hyperplasia TGLS = 1-4.1]			
Mammary Gland		Adenocarcinoma	
Note: ADENOCARC TGLs = 2-10.1			
Pituitary Gland	Pars Distalis	Cyst	
Note: CYST TGLs = 5-2			
Spleen		Hematopoietic Cell Proliferation	Marked
[Hematopoietic Cell Proliferation TGLS = 4-3]			
Zymbal's Gland		Ectasia	Moderate

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 369	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 304
	DOSE: 170 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone Marrow	Brain
Esophagus	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Mammary Gland	Nose	Ovary
Pancreas	Parathyroid Gland	Pituitary Gland	Salivary Glands
Skin	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	Uterus
Zymbal's Gland			

OBSERVATIONS

Clitoral Gland		Carcinoma	
Note: CARCINOMA TGLs = 1-8			
Kidney	Renal Tubule	Pigmentation	Minimal
Liver		Hematopoietic Cell Proliferation	Minimal
Lung		Hyperplasia	Lymphoid, Mild
Lymph Node	Mandibular	Congestion	Mild
	Mesenteric	Hyperplasia	Reticulum Cell, Mild
Note: CONGESTION TGLs = 2-9			
Spleen		Hematopoietic Cell Proliferation	Moderate
[Hematopoietic Cell Proliferation TGLS = 3-3]			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 370	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 501
	DOSE: 170 PPM	**DISP:** Dead	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone Marrow	Brain
Clitoral Gland	Esophagus	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Islets, Pancreatic
Lymph Node - Mesenteric	Nose	Ovary	Pancreas
Pituitary Gland	Salivary Glands	Skin	Stomach - Forestomach
Stomach - Glandular	Thyroid Gland	Trachea	Urinary Bladder
Uterus	Zymbal's Gland		

MISSING

Parathyroid Gland	Thymus

AUTO PRECLUDES DIAG.

Intestine Small - Ileum	Intestine Small - Jejunum

OBSERVATIONS

Kidney			Nephropathy	Chronic, Mild
Liver			Hematopoietic Cell Proliferation	Minimal
		Centrilobular	Necrosis	Diffuse, Mild
Lung		Mediastinum	Sarcoma	
Note: SARCOMA	TGLs = 5-13			
Lymph Node		Mandibular	Hemorrhage	Moderate
		Mediastinal	Hemorrhage	Moderate
Note: HEMORRHAGE	TGLs = 4-13			
Mammary Gland			Adenocarcinoma	
Note: ADENOCARC	TGLs = 1-14			
Spleen			Hematopoietic Cell Proliferation	Moderate

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 371	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 331
	DOSE: 170 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Brain	Esophagus
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Kidney	Nose	Ovary	Pancreas
Parathyroid Gland	Pituitary Gland	Salivary Glands	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Trachea
Urinary Bladder	Uterus		

OBSERVATIONS

Bone Marrow		Hyperplasia	Mild
Clitoral Gland		Hyperplasia	Focal, Mild
Liver		Basophilic Focus	Minimal
		Hematopoietic Cell Proliferation	Minimal
		Necrosis	Focal, Minimal
Note: HYPERBASOPHILIA..			
Lung		Squamous Cell Carcinoma	Metastatic (Pharynx)
Note: SQUAM CEL CARC TGLs = 4-4.1			
Lymph Node	Mesenteric	Hyperplasia	Reticulum Cell, Mild
Mammary Gland	Duct	Ectasia	Mild
Mesentery	Fat	Necrosis	Mild
Note: NECROSIS TGLs = 1-2			
Pharynx	Palate	Squamous Cell Carcinoma	
Note: SQUAM CEL CARC TGLs = 3-12.1,12.2			
Skin	Subcut Tiss	Squamous Cell Carcinoma	Metastatic (Pharynx)
Spleen		Hematopoietic Cell Proliferation	Moderate
[Hematopoietic Cell Proliferation TGLS = 2-3]			
Zymbal's Gland		Ectasia	Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 372	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 468
	DOSE: 170 PPM	**DISP:** Dead	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
Adrenal Gland - Cortex	Adrenal Gland - 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
Liver	Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose
Pancreas	Parathyroid Gland	Salivary Glands	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	Uterus
OBSERVATIONS			
Clitoral Gland		Ectasia	Moderate
Heart		Cardiomyopathy	Chronic, Mild
Kidney		Nephropathy	Chronic, Mild
Lung		Hyperplasia	Lymphoid, Mild
Mammary Gland	Duct	Ectasia	Moderate
Note: ECTASIA TGLs = 4-10			
Ovary		Cyst	
Note: CYST TGLs = 1-8			
Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-2]			
Zymbal's Gland		Ectasia	Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 373	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 505
	DOSE: 170 PPM	**DISP:** Dead	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone Marrow	Brain
Esophagus	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Kidney	Liver	Lung
Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland	Nose
Ovary	Pancreas	Parathyroid Gland	Pituitary Gland
Salivary Glands	Skin	Stomach - Forestomach	Stomach - Glandular
Thyroid Gland	Trachea	Urinary Bladder	Uterus

MISSING

Thymus

OBSERVATIONS

Clitoral Gland	Ectasia	Marked
Note: ECTASIA TGLs = 1-8		
Spleen	Atrophy	Moderate
	Pigmentation	Moderate
Tongue	Squamous Cell Carcinoma	
Note: SQUAM CEL CARC TGLs = 2-13		
Zymbal's Gland	Ectasia	Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 374	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 354
	DOSE: 170 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - 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
Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland	Ovary
Pancreas	Parathyroid Gland	Pituitary Gland	Salivary Glands
Skin	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	Zymbal's Gland

OBSERVATIONS

Clitoral Gland		Hyperplasia	Focal, Minimal
Eye		Cataract	Mild
	Retina	Degeneration	Moderate
Note: CATARACT TGLs = 1-13			
Harderian Gland		Inflammation	Chronic, Moderate
Heart		Cardiomyopathy	Chronic, Minimal
Kidney		Nephropathy	Chronic, Minimal
Liver		Basophilic Focus	Minimal
Note: HYPERBASOPHILIA..			
Lung		Hyperplasia	Lymphoid, Mild
		Infiltration Cellular	Histiocyte, Minimal
Nose		Inflammation	Acute, Mild
Spleen		Hematopoietic Cell Proliferation	Mild
Uterus		Sarcoma Stromal	
Note: SARC STROMAL TGLs = 3-13			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 375	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 220
	DOSE: 170 PPM	**DISP:** Dead	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone Marrow	Brain
Esophagus	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Kidney	Lymph Node - Mandibular	Mammary Gland
Nose	Ovary	Pancreas	Parathyroid Gland
Pituitary Gland	Salivary Glands	Skin	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Trachea
Urinary Bladder	Uterus	Zymbal's Gland	

OBSERVATIONS

Clitoral Gland		Carcinoma	
Note: CARCINOMA TGLs = 1-13			
Liver		Basophilic Focus	Minimal
		Hematopoietic Cell Proliferation	Minimal
	Centrilobular	Necrosis	Diffuse, Mild
Note: NECROSIS TGLs = 3-3.1			
Lung		Hyperplasia	Lymphoid, Mild
Lymph Node	Mesenteric	Hyperplasia	Reticulum Cell, Mild
Skin			
Note: SKIN MASS WAS A CLIT.GLD. NEOPLASM..			
Spleen		Hematopoietic Cell Proliferation	Moderate
[Hematopoietic Cell Proliferation TGLS = 2-3]			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 376	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 339
	DOSE: 170 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Brain	Clitoral Gland
Esophagus	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose	Ovary
Pancreas	Parathyroid Gland	Pituitary Gland	Salivary Glands
Skin	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	Uterus
Zymbal's Gland			

OBSERVATIONS

Bone Marrow		Hyperplasia	Mild
Heart		Cardiomyopathy	Chronic, Minimal
Kidney		Nephropathy	Chronic, Minimal
Liver		Clear Cell Focus	Minimal
		Vacuolization Cytoplasmic	Diffuse, Mild
Lung		Hyperplasia	Lymphoid, Mild
Mammary Gland		Adenocarcinoma	
	Duct	Ectasia	Moderate
Note: ADENOCARC TGLs = 4-14			
Mesentery	Fat	Necrosis	Moderate
Note: NECROSIS TGLs = 1-13			
Spleen		Hematopoietic Cell Proliferation	Moderate
		Hemorrhage	Focal, Mild
Note: HEMORRHAGE TGLs = 3-3			
Note: HEMA CELL PROL TGLs = 2-3			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 377	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 564
	DOSE: 170 PPM	**DISP:** Moribund	**HISTO:**

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	Kidney
Lymph Node - Mesenteric	Mammary Gland	Nose	Pancreas
Parathyroid Gland	Salivary Glands	Skin	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Tongue
Trachea	Urinary Bladder	Uterus	

OBSERVATIONS

Adrenal Gland	Cortex	Leukemia Mononuclear	
	Medulla	Leukemia Mononuclear	
Clitoral Gland		Adenoma	
Note: ADENOMA TGLs = 3-8.1			
Liver		Degeneration	Cystic, Focal, Moderate
		Leukemia Mononuclear	
		Regeneration	Multifocal, Moderate
Note: REGENERATION TGLs = 5-3.2			
Lung		Hyperplasia	Lymphoid, Mild
		Leukemia Mononuclear	
Lymph Node	Mandibular	Leukemia Mononuclear	
Ovary		Cyst	
Note: CYST TGLs = 2-8			
Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
Note: HYPERPLASIA TGLs = 6-2			
Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 8-3]			
Zymbal's Gland		Carcinoma	
Note: CARCINOMA TGLs = 7-10,10.1			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 378	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 424
	DOSE: 170 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone Marrow	Brain
Esophagus	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland
Nose	Ovary	Pancreas	Pituitary Gland
Salivary Glands	Skin	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder

MISSING

Parathyroid Gland

OBSERVATIONS

Clitoral Gland		Adenoma	
Note: ADENOMA TGLs = 2-8.1			
Ear			
Note: 2			
Kidney		Hydronephrosis	Marked
Note: HYDRONEPHROSIS TGLs = 3-5			
Liver		Basophilic Focus	Mild
		Carcinoma	Metastatic (Uterus), Multiple (Uterus)
Note: CARCINOMA TGLs = 11-3.1			
Lung		Carcinoma	Metastatic (Uterus), Multiple (Uterus)
Note: METASTATIC LESION ALSO OCCURS IN THE MEDIASTINUM..			
Note: CARCINOMA TGLs = 10-4,4.1			
Lymph Node	Renal	Carcinoma	Metastatic (Uterus)
Note: CARCINOMA TGLs = 4-14			
Mesentery		Carcinoma	Metastatic (Uterus), Multiple (Uterus)
Note: MULTIPLE FOCI SCATTERED THROUGH THE CELOMIC CAVITY..			
Note: CARCINOMA TGLs = 6-7			
Ovary			
Note: ONE OVARY PRESENT..			
Spleen		Hematopoietic Cell Proliferation	Moderate

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 378	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 424
	DOSE: 170 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

Tissue NOS	Carcinoma	Metastatic (Uterus)
Note: APPEARS TO BE RETROPERITONEAL METASTASIS..		
Note: CARCINOMA TGLs = 5-15		
Ureter	Dilatation	Marked
Note: DILATATION TGLs = 1-5		
Uterus	Carcinoma	
	Hydrometra	Moderate
Note: CARCINOMA TGLs = 8-8.2		
Note: HIGHLY ANAPLASTIC WITH MARKED DESMOPLASIA..		
[Carcinoma TGLS = 7-8]		
Zymbal's Gland	Adenoma	

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 379	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 333
	DOSE: 170 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone Marrow	Brain
Esophagus	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Kidney	Lymph Node - Mandibular	Lymph Node - Mesenteric
Nose	Ovary	Pancreas	Parathyroid Gland
Pituitary Gland	Salivary Glands	Skin	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder
Uterus			

OBSERVATIONS

Clitoral Gland		Atrophy	Mild
		Cyst	Mild
Liver		Basophilic Focus	Marked
		Fatty Change	Mild
Lung		Hyperplasia	Lymphoid, Mild
Mammary Gland		Adenocarcinoma	
Note: ADENOCARC TGLs = 3-10.1			
Spleen		Hematopoietic Cell Proliferation	Moderate
[Hematopoietic Cell Proliferation TGLS = 1-3]			
Stomach	Forestomach	Acanthosis	Moderate
	Forestomach	Hyperkeratosis	Mild
Tongue		Hyperplasia	Focal, Moderate
Note: HYPERPLASIA TGLs = 2-13			
Vagina	Mucosa	Polyp	
Note: POLYP TGLs = 4-14			
Zymbal's Gland		Ectasia	Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 380	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 583
	DOSE: 170 PPM	**DISP:** Dead	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone Marrow	Brain
Esophagus	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland
Nose	Ovary	Pancreas	Parathyroid Gland
Salivary Glands	Skin	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Uterus

OBSERVATIONS

Clitoral Gland	Bilateral	Carcinoma	
Note: CARCINOMA TGLs = 1-8.1			
Note: ANAPLASTIC..			
Eye	Retina	Degeneration	Moderate
Note: DEGEN TGLs = 9-14			
Kidney		Hydronephrosis	Mild
Note: HYDRONEPHROSIS TGLs = 7-5			
Liver		Basophilic Focus	Moderate
	Centrilobular	Degeneration	Mild
		Eosinophilic Focus	Mild
		Hematopoietic Cell Proliferation	Mild
Lung		Hyperplasia	Lymphoid, Mild
Mesentery	Fat	Necrosis	Moderate
Note: NECROSIS TGLs = 3-13			
Pituitary Gland	Pars Distalis	Hyperplasia	Multifocal, Mild
Note: HYPERPLASIA TGLs = 10-2			
Spleen		Hematopoietic Cell Proliferation	Moderate
Urinary Bladder		Hemorrhage	Moderate
Note: HEMORRHAGE TGLs = 4,5-13			
Zymbal's Gland		Ectasia	Mild
		Hyperplasia	Squamous, Focal, Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 461	**TRT#:** 8	**SEX:** Female	**DAY ON TEST:** 485
	DOSE: 330 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone Marrow	Brain
Esophagus	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland
Nose	Ovary	Pancreas	Parathyroid Gland
Salivary Glands	Skin	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder
Uterus			

OBSERVATIONS

Clitoral Gland		Adenoma	
		Carcinoma	
Note: CARCINOMA TGLs = 1-8.1			
Kidney		Nephropathy	Chronic, Minimal
Liver		Basophilic Focus	Minimal
		Granuloma	Mild
		Hematopoietic Cell Proliferation	Mild
Lung		Hyperplasia	Lymphoid, Mild
Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-2]			
Spleen		Hematopoietic Cell Proliferation	Moderate
Zymbal's Gland		Carcinoma	
		Ectasia	Moderate
Note: CARCINOMA TGLs = 2-10,10.1			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 462	**TRT#:** 8	**SEX:** Female	**DAY ON TEST:** 452
	DOSE: 330 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone Marrow	Brain
Esophagus	Heart	Intestine Large - Cecum	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Islets, Pancreatic	Kidney
Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland	Nose
Ovary	Pancreas	Parathyroid Gland	Salivary Glands
Skin	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	Uterus
Zymbal's Gland			

OBSERVATIONS

Clitoral Gland		Hyperplasia	Squamous, Focal, Moderate
Intestine Large	Colon	Parasite Metazoan	
Intestine Small	Jejunum	Adenocarcinoma	Cystic, Mucinous
Note: INTUSS.IS A POSTMORTEM ARTIFACT..			
Note: ADENOCARC TGLs = 3-6.1			
Liver		Basophilic Focus	Moderate
Note: HYPERBASOPHILIA..			
Lung		Hyperplasia	Lymphoid, Mild
		Infiltration Cellular	Histiocyte, Mild
Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-2]			
Spleen		Hematopoietic Cell Proliferation	Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 463	**TRT#:** 8	**SEX:** Female	**DAY ON TEST:** 339
	DOSE: 330 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone Marrow	Brain
Esophagus	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Kidney	Lymph Node - Mandibular	Mammary Gland
Nose	Ovary	Pancreas	Parathyroid Gland
Salivary Glands	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Trachea
Urinary Bladder	Uterus		

OBSERVATIONS

Clitoral Gland		Adenoma	
		Carcinoma	
Note: ADENOMA TGLs = 1-8			
Note: CARCINOMA TGLs = 2-8.2			
Liver		Basophilic Focus	Minimal
		Clear Cell Focus	Minimal
		Eosinophilic Focus	Minimal
		Hematopoietic Cell Proliferation	Minimal
		Necrosis	Coagulative, Marked
Note: [NECROSIS] TGLs = 4-3.1			
Note: LIVER--COAGULATIVE NECROSIS DUE TO FAULTY IP INJECTION..			
Lung		Hyperplasia	Lymphoid, Mild
Lymph Node	Mesenteric	Hyperplasia	Reticulum Cell, Mild
Pituitary Gland	Pars Distalis	Cyst	
Note: CYST TGLs = 3-2			
Zymbal's Gland		Carcinoma	
		Hyperplasia	Focal, Marked
Note: [HYPERPLASIA] TGLs = 6-10			
Note: CARCINOMA TGLs = 5-10.1			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 464	**TRT#:** 8	**SEX:** Female	**DAY ON TEST:** 358
	DOSE: 330 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone Marrow	Brain
Esophagus	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Lymph Node - Mandibular	Mammary Gland	Nose	Ovary
Pancreas	Parathyroid Gland	Salivary Glands	Skin
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder	Uterus	

OBSERVATIONS

Clitoral Gland		Carcinoma	Metastatic (Clitoral Gland)
		Carcinoma	
Note: CARCINOMA TGLs = 1-8.1			
Note: CA IN LEFT CLIT.GLD. HAS INVADED THE RIGHT GLD..			
Intestine Large	Rectum	Parasite Metazoan	Minimal
Kidney		Nephropathy	Chronic, Minimal
Liver		Basophilic Focus	Minimal
		Eosinophilic Focus	Minimal
		Hematopoietic Cell Proliferation	Minimal
		Necrosis	Focal, Minimal
Lung		Hyperplasia	Lymphoid, Mild
Lymph Node	Mediastinal	Hyperplasia	Lymphoid, Mild
	Mesenteric	Hyperplasia	Reticulum Cell, Moderate
Note: HYPERPLASIA TGLs = 3-9			
Pituitary Gland	Pars Distalis	Cyst	
Note: CYST TGLs = 4-2			
Spleen		Hematopoietic Cell Proliferation	Moderate
[Hematopoietic Cell Proliferation TGLS = 2-3]			
Zymbal's Gland		Hyperplasia	Squamous, Focal, Minimal

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 465	**TRT#:** 8	**SEX:** Female	**DAY ON TEST:** 395
	DOSE: 330 PPM	**DISP:** Dead	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - 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
Lymph Node - Mandibular	Mammary Gland	Nose	Ovary
Pancreas	Parathyroid Gland	Pituitary Gland	Salivary Glands
Skin	Stomach - Forestomach	Thymus	Thyroid Gland
Trachea	Urinary Bladder	Uterus	Zymbal's Gland

MISSING

Clitoral Gland

OBSERVATIONS

Heart		Cardiomyopathy	Chronic, Minimal
Kidney	Transit Epithe	Carcinoma	
Note: CARCINOMA TGLs = 1-5.1			
Liver		Hematopoietic Cell Proliferation	Minimal
Note: LIVER --PATCHY STAINING..			
Lung		Hyperplasia	Lymphoid, Mild
Lymph Node	Mesenteric	Hyperplasia	Reticulum Cell, Mild
Spleen		Hematopoietic Cell Proliferation	Moderate
Stomach	Glandular	Erosion	Focal, Minimal
Note: EROSION TGLs = 5-6			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 466	**TRT#:** 8	**SEX:** Female	**DAY ON TEST:** 424
	DOSE: 330 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - 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	Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose
Ovary	Pancreas	Parathyroid Gland	Pituitary Gland
Salivary Glands	Skin	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder
Zymbal's Gland			

OBSERVATIONS

Heart		Cardiomyopathy	Chronic, Minimal
Kidney		Nephropathy	Chronic, Minimal
Liver		Basophilic Focus	Moderate
		Hematopoietic Cell Proliferation	Minimal
Note: HYPERBASOPHILIA..			
Lung		Hyperplasia	Lymphoid, Mild
Mammary Gland		Adenocarcinoma	
Note: ADENOCARC TGLs = 6-13			
Skin			
Note: MAMMARY NEOPLASM DESCRIBED AS SKIN MASS AT NECROPSY..			
Spleen		Hematopoietic Cell Proliferation	Marked
[Hematopoietic Cell Proliferation TGLS = 3-3]			
Uterus	Endometrium	Cyst	Mild
Note: CYST TGLs = 2-8			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 467	**TRT#:** 8	**SEX:** Female	**DAY ON TEST:** 262
	DOSE: 330 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone Marrow	Brain	Esophagus
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Kidney	Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland
Nose	Ovary	Pancreas	Parathyroid Gland
Pituitary Gland	Salivary Glands	Skin	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Trachea
Urinary Bladder	Uterus		

OBSERVATIONS

Adrenal Gland	Cortex	Vacuolization Cytoplasmic	Diffuse, Mild
Clitoral Gland		Adenoma	
Liver		Granuloma	Minimal
Lung		Hyperplasia	Lymphoid, Mild
Spleen		Hematopoietic Cell Proliferation	Mild
Note: HEMA CELL PROL TGLs = 1-3			
Zymbal's Gland		Carcinoma	
		Ectasia	Mild
Note: CARCINOMA TGLs = 2-10.1			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 468	**TRT#:** 8	**SEX:** Female	**DAY ON TEST:** 251
	DOSE: 330 PPM	**DISP:** Dead	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone Marrow	Brain
Esophagus	Heart	Islets, Pancreatic	Kidney
Lymph Node - Mandibular	Mammary Gland	Nose	Pancreas
Parathyroid Gland	Pituitary Gland	Salivary Glands	Skin
Thymus	Trachea	Urinary Bladder	Uterus
Zymbal's Gland			
MISSING			
Clitoral Gland			
AUTO PRECLUDES DIAG.			
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Lymph Node - Mesenteric	Ovary
Stomach - Forestomach	Stomach - Glandular	Thyroid Gland	
OBSERVATIONS			
Liver		Hepatodiaphragmatic Nodule	
		Necrosis	Focal, Minimal
Note: ANOM HEPAT LOB TGLs = 1-3.1			
[Necrosis TGLS = 2-3.1]			
Lung		Hyperplasia	Lymphoid, Mild
Pituitary Gl			
Note: NO EVIDENCE OF NEOPLASIA..			
Spleen		Hematopoietic Cell Proliferation	Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 469	**TRT#:** 8	**SEX:** Female	**DAY ON TEST:** 610
	DOSE: 330 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone Marrow	Brain
Esophagus	Heart	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Lymph Node - Mandibular	Nose	Ovary	Pancreas
Parathyroid Gland	Pituitary Gland	Salivary Glands	Stomach - Forestomach
Stomach - Glandular	Thymus	Trachea	Urinary Bladder
Uterus			

OBSERVATIONS

Clitoral Gland	Bilateral	Adenoma	
Note: ADENOMA TGLs = 1,2-8.1			
Intestine Large	Cecum	Hemorrhage	Focal, Marked
Kidney		Nephropathy	Chronic, Mild
Liver		Basophilic Focus	Marked
		Clear Cell Focus	Minimal
		Degeneration	Cystic, Focal, Minimal
		Eosinophilic Focus	Mild
		Hematopoietic Cell Proliferation	Mild
		Necrosis	Focal, Mild
		Regeneration	Multifocal, Moderate
Lung		Hyperplasia	Lymphoid, Mild
Note: LUNG NOT PROPERLY INFLATED..			
Lymph Node	Mesenteric	Erythrophagocytosis	Moderate
	Mediastinal	Hyperplasia	Lymphoid, Moderate
	Pancreatic	Hyperplasia	Lymphoid, Moderate
Note: ERYTHROPHAGOCY TGLs = 5-7			
Note: HYPERPLASIA TGLs = 11,17-14,18			
Mammary Gland		Adenocarcinoma	
		Adenoma	
Note: ADENOCARC TGLs = 12-15			
Note: ADENOMA TGLs = 14-17			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 469	**TRT#:** 8	**SEX:** Female	**DAY ON TEST:** 610
	DOSE: 330 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

Mesentery	Fat	Necrosis	Moderate
Note: NECROSIS TGLs = 3-13			
Skin		Basal Cell Adenoma	
Note: BASAL CEL ADEN TGLs = 13-16			
Spleen		Hematopoietic Cell Proliferation	Moderate
Note: HEMA CELL PROL TGLs = 16-3			
Thyroid Gland	C Cell	Hyperplasia	Focal, Minimal
Zymbal's Gland		Ectasia	Mild
		Hyperplasia	Focal, Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 470	**TRT#:** 8	**SEX:** Female	**DAY ON TEST:** 363
	DOSE: 330 PPM	**DISP:** Dead	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Brain	Esophagus
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lymph Node - Mandibular
Lymph Node - Mesenteric	Mammary Gland	Nose	Parathyroid Gland
Pituitary Gland	Salivary Glands	Skin	Stomach - Forestomach
Thymus	Thyroid Gland	Trachea	Uterus

OBSERVATIONS

Bone Marrow		Hyperplasia	Mild
Clitoral Gland		Atrophy	Mild
		Ectasia	Mild
Intestine Small	Duodenum	Carcinoma	Metastatic (Urinary Bladder)
Note: [CARCINOMA] TGLs = 5-6			
Kidney	Renal Tubule	Carcinoma	Metastatic (Urinary Bladder)
	Pelvis	Dilatation	Mild
		Inflammation	Suppurative, Marked
Note: INFLAMMATION TGLs = 9-5			
Note: [CARCINOMA] TGLs = 10-5.1			
Note: DILATATION TGLs = 8-5,5.1			
Liver		Carcinoma	Metastatic (Urinary Bladder)
		Necrosis	Focal, Mild
Note: [CARCINOMA] TGLs = 16-3.1			
Note: NECROSIS TGLs = 14-3.1			
Lung		Carcinoma	Metastatic (Urinary Bladder)
Mesentery		Carcinoma	Metastatic (Urinary Bladder), Multiple (Urinary Bladder)
Ovary		Carcinoma	Metastatic (Urinary Bladder)
Note: [CARCINOMA] TGLs = 4-8			
Pancreas		Carcinoma	Metastatic (Urinary Bladder)
Note: [CARCINOMA] TGLs = 6-6			
Skeletal Muscle	Diaphragm	Carcinoma	Metastatic (Urinary Bladder)

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 470	**TRT#:** 8	**SEX:** Female	**DAY ON TEST:** 363
	DOSE: 330 PPM	**DISP:** Dead	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

Note: [CARCINOMA] TGLs = 17-13			
Spleen		Atrophy	Marked
Stomach	Glandular	Erosion	Focal, Moderate
Note: EROSION TGLs = 18-6			
Ureter		Carcinoma	Metastatic (Urinary Bladder)
		Dilatation	Moderate
Note: DILATATION TGLs = 3-5			
Note: [CARCINOMA] TGLs = 2-5			
Urinary Bladder	Transit Epithe	Carcinoma	
Note: [CARCINOMA] TGLs = 1-8			
Zymbal's Gland		Carcinoma	
Note: CARCINOMA TGLs = 19-10			
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 471	**TRT#:** 8	**SEX:** Female	**DAY ON TEST:** 408
	DOSE: 330 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - 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	Lymph Node - Mesenteric	Nose	Ovary
Pancreas	Parathyroid Gland	Salivary Glands	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	Uterus

OBSERVATIONS

Heart		Cardiomyopathy	Chronic, Minimal
Kidney		Nephropathy	Chronic, Minimal
Liver		Basophilic Focus	Minimal
Note: PATCHY HYPERBASOPHILIC STAINING..			
Lung		Hyperplasia	Lymphoid, Mild
Lymph Node	Mandibular	Hyperplasia	Lymphoid, Mild
Note: HYPERPLASIA TGLs = 2-9			
Mammary Gland		Adenoma	
Pituitary Gland	Pars Distalis	Cyst	
Zymbal's Gland		Carcinoma	
		Hyperplasia	Squamous, Focal, Minimal
Note: CARCINOMA TGLs = 1-10.1			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 472	**TRT#:** 8	**SEX:** Female	**DAY ON TEST:** 431
	DOSE: 330 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone Marrow	Brain
Esophagus	Heart	Intestine Large - Cecum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lymph Node - Mandibular
Lymph Node - Mesenteric	Mammary Gland	Nose	Ovary
Pancreas	Parathyroid Gland	Salivary Glands	Skin
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

OBSERVATIONS

Clitoral Gland		Adenoma	
Note: ADENOMA TGLs = 1-8			
Intestine Large	Colon, Descend Colon	Polyp Adenomatous	
	Rectum	Polyp Adenomatous	
Note: POLYP ADENOMAT TGLs = 6-7			
Note: POLYP ADENOMAT TGLs = 5-7			
Kidney		Nephropathy	Chronic, Mild
	Renal Tubule	Pigmentation	Mild
Liver		Basophilic Focus	Mild
		Eosinophilic Focus	Mild
Lung		Foreign Body	Mild
	Bronchiole	Hyperplasia	Multifocal, Minimal
		Inflammation	Acute, Multifocal, Marked
Note: ASPIRATION PNEUMONIA-SEQUEL.TO TONGUE LESION..			
Pituitary Gland	Pars Distalis	Cyst	
Note: CYST TGLs = 7-2			
Spleen		Atrophy	Mild
Note: ATROPHY TGLs = 4-3			
Tongue		Squamous Cell Carcinoma	
Note: GOOD EXAMP. FOR PHOTOMIC..			
Note: SQUAM CEL CARC TGLs = 8-13			
Uterus	Endometrium	Cyst	Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 472	**TRT#:** 8	**SEX:** Female	**DAY ON TEST:** 431
	DOSE: 330 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

Note: CYST	TGLs = 3-8		
Zymbal's Gland		Ectasia	Moderate
		Hyperplasia	Squamous, Focal, Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 473	**TRT#:** 8	**SEX:** Female	**DAY ON TEST:** 408
	DOSE: 330 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Brain	Esophagus
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose	Ovary
Pancreas	Parathyroid Gland	Salivary Glands	Skin
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder	Uterus	

OBSERVATIONS

Bone Marrow		Hyperplasia	Mild
Clitoral Gland	Bilateral	Carcinoma	
Note: CARCINOMA TGLs = 1-8.1			
Kidney		Nephropathy	Chronic, Minimal
Liver		Basophilic Focus	Moderate
		Clear Cell Focus	Marked
		Degeneration	Cystic, Focal, Mild
		Eosinophilic Focus	Mild
		Hematopoietic Cell Proliferation	Mild
		Neoplastic Nodule	Multiple
Note: NEOPLASTIC NOD TGLs = 2-3.1			
Lung		Hyperplasia	Lymphoid, Mild
		Infiltration Cellular	Histiocyte, Mild
Mammary Gland	Duct	Ectasia	Mild
Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 4-2]			
Spleen		Hematopoietic Cell Proliferation	Marked
[Hematopoietic Cell Proliferation TGLS = 5-3]			
Zymbal's Gland		Hyperplasia	Squamous, Focal, Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 474	**TRT#:** 8	**SEX:** Female	**DAY ON TEST:** 344
	DOSE: 330 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - 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
Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose	Ovary
Pancreas	Parathyroid Gland	Salivary Glands	Skin
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder	Uterus	

OBSERVATIONS

Clitoral Gland		Carcinoma	
		Hyperplasia	Focal, Mild
Note: CARCINOMA TGLs = 2-8.1			
Heart		Cardiomyopathy	Chronic, Minimal
Kidney		Nephropathy	Chronic, Minimal
Liver		Basophilic Focus	Minimal
		Clear Cell Focus	Minimal
		Eosinophilic Focus	Mild
		Hematopoietic Cell Proliferation	Minimal
Lung		Hyperplasia	Lymphoid, Mild
Mammary Gland		Adenocarcinoma	
Note: MAMMARY GLD TMR CALLED LNN. GROSSLY..			
Note: ADENOCARC TGLs = 1-13			
Pituitary Gland	Pars Distalis	Cyst	
Note: CYST TGLs = 4-2			
Spleen		Hematopoietic Cell Proliferation	Moderate
Zymbal's Gland		Hyperplasia	Squamous, Focal, Minimal

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 475	**TRT#:** 8	**SEX:** Female	**DAY ON TEST:** 378
	DOSE: 330 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone Marrow	Brain
Esophagus	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Lymph Node - Mandibular	Nose	Ovary
Pancreas	Parathyroid Gland	Salivary Glands	Skin
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

OBSERVATIONS

Clitoral Gland		Carcinoma	
		Ectasia	Mild
Note: CARCINOMA TGLs = 1-8.1			
Kidney		Nephropathy	Chronic, Minimal
Liver		Basophilic Focus	Minimal
		Clear Cell Focus	Minimal
		Eosinophilic Focus	Minimal
		Hematopoietic Cell Proliferation	Minimal
Lung		Hyperplasia	Lymphoid, Mild
		Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Mesenteric	Hyperplasia	Reticulum Cell, Moderate
Mammary Gland		Adenocarcinoma	
Note: ADENOCARC TGLs = 2-10.1			
Pituitary Gland	Pars Distalis	Cyst	
Note: CYST TGLs = 6-2			
Spleen		Hematopoietic Cell Proliferation	Moderate
[Hematopoietic Cell Proliferation TGLS = 3-3]			
Uterus		Hydrometra	Mild
Note: HYDROMETRA TGLs = 4,5-8			
Zymbal's Gland		Hyperplasia	Focal, Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 476	**TRT#:** 8	**SEX:** Female	**DAY ON TEST:** 354
	DOSE: 330 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - 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
Kidney	Lymph Node - Mandibular	Nose	Ovary
Parathyroid Gland	Pituitary Gland	Salivary Glands	Skin
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder	Uterus	Zymbal's Gland

OBSERVATIONS

Clitoral Gland		Atrophy	Moderate
Heart	Epicardium	Inflammation	Chronic, Mild
Liver	Centrilobular	Degeneration	Diffuse, Minimal
		Hematopoietic Cell Proliferation	Minimal
	Kupffer Cell	Pigmentation	Moderate
Note: HYPERBASOPHILIA..			
Lung		Mixed Tumor Malignant	Metastatic (Mammary Gland), Multiple (Mammary Gland)
Note: MIXD TUMOR MAL TGLs = 2,7-4			
Note: METAST.PRESENT IN MEDIAST.BUT SYSTEM PREVENTS ENTRY..			
Note: NOTE SEPARATION OF EPITH. AND MESENCH. ELEMENTS..			
Lymph Node	Mesenteric	Atrophy	Moderate
	Mesenteric	Hyperplasia	Reticulum Cell, Mild
[Hyperplasia TGLS = 3-7]			
Mammary Gland		Mixed Tumor Malignant	
Note: MIXD TUMOR MAL TGLs = 1-10.1			
Mesentery	Fat	Necrosis	Mild
Note: NECROSIS TGLs = 4-13			
Pancreas		Hemorrhage	Focal, Marked
[Hemorrhage TGLS = 5-6]			
Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Moderate

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 476	**TRT#:** 8	**SEX:** Female	**DAY ON TEST:** 354
	DOSE: 330 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH	-

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 477	**TRT#:** 8	**SEX:** Female	**DAY ON TEST:** 431
	DOSE: 330 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - 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	Lymph Node - Mandibular
Nose	Ovary	Pancreas	Salivary Glands
Skin	Thymus	Thyroid Gland	Trachea
Urinary Bladder	Uterus		

MISSING

Clitoral Gland	Parathyroid Gland

OBSERVATIONS

Adrenal Gland	Cortex	Vacuolization Cytoplasmic	Diffuse, Moderate
Bone	Sternum	Osteopetrosis	Mild
Heart		Cardiomyopathy	Chronic, Mild
Kidney	Renal Tubule	Mineralization	Moderate
	Renal Tubule	Pigmentation	Mild
	Renal Tubule	Vacuolization Cytoplasmic	Moderate
Liver		Basophilic Focus	Moderate
		Hematopoietic Cell Proliferation	Minimal
		Vacuolization Cytoplasmic	Diffuse, Mild
Note: HYPERBASOPHILIA..			
Lung		Hyperplasia	Lymphoid, Mild
		Infiltration Cellular	Histiocyte, Mild
Lymph Node	Mesenteric	Atrophy	Marked
	Mesenteric	Hyperplasia	Reticulum Cell, Moderate
Mammary Gland		Adenocarcinoma	
Note: ADENOCARC TGLs = 1-8.1			
Note: THOUGHT TO BE CLITORAL GLD AT NECROPSY..			
Pituitary Gland	Pars Distalis	Cyst	
Note: CYST TGLs = 2-2			
Spleen		Hematopoietic Cell Proliferation	Mild
Stomach	Glandular	Mineralization	Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 477	**TRT#:** 8	**SEX:** Female	**DAY ON TEST:** 431
	DOSE: 330 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

Zymbal's Gland		Ectasia	Mild
		Hyperplasia	Squamous, Focal, Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 478	**TRT#:** 8	**SEX:** Female	**DAY ON TEST:** 436
	DOSE: 330 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone Marrow	Brain
Esophagus	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Kidney	Lymph Node - Mandibular	Lymph Node - Mesenteric
Nose	Ovary	Pancreas	Parathyroid Gland
Salivary Glands	Skin	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder
Uterus	Zymbal's Gland		

MISSING

Mammary Gland

OBSERVATIONS

Clitoral Gland		Carcinoma	
		Ectasia	Moderate
Note: CARCINOMA TGLs = 1-8.1			
Liver		Basophilic Focus	Mild
		Clear Cell Focus	Mild
		Eosinophilic Focus	Mild
		Hematopoietic Cell Proliferation	Mild
Lung		Hyperplasia	Lymphoid, Mild
		Infiltration Cellular	Histiocyte, Minimal
Pituitary Gland	Pars Distalis	Cyst	
Spleen		Hematopoietic Cell Proliferation	Moderate
Note: HEMA CELL PROL TGLs = 4-3			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 479	**TRT#:** 8	**SEX:** Female	**DAY ON TEST:** 344
	DOSE: 330 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Brain	Esophagus
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Kidney
Mammary Gland	Nose	Ovary	Pancreas
Parathyroid Gland	Pituitary Gland	Salivary Glands	Skin
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder	Zymbal's Gland	

OBSERVATIONS

Bone Marrow		Hyperplasia	Mild
Clitoral Gland		Adenoma	
		Carcinoma	
Note: CARCINOMA TGLs = 2-8.1			
Heart		Cardiomyopathy	Chronic, Minimal
Liver		Basophilic Focus	Minimal
		Hematopoietic Cell Proliferation	Minimal
Note: LIVER..HYPERBASOPHILIA..			
Lung		Hyperplasia	Lymphoid, Mild
		Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Mediastinal	Hemorrhage	Mild
	Mandibular	Hyperplasia	Lymphoid, Mild
	Mesenteric	Hyperplasia	Reticulum Cell, Mild
Note: HEMORRHAGE TGLs = 4-9			
Note: HYPERPLASIA TGLs = 3-9			
Spleen		Hematopoietic Cell Proliferation	Mild
Uterus		Hydrometra	Mild
Note: HYDROMETRA TGLs = 1-8			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 480	**TRT#:** 8	**SEX:** Female	**DAY ON TEST:** 339
	DOSE: 330 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Brain	Esophagus	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lymph Node - Mandibular
Lymph Node - Mesenteric	Nose	Ovary	Pancreas
Parathyroid Gland	Pituitary Gland	Salivary Glands	Skin
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder	Uterus	Zymbal's Gland

OBSERVATIONS

Adrenal Gland	Cortex	Hypertrophy	Focal, Mild
Bone Marrow		Hyperplasia	Mild
Clitoral Gland		Carcinoma	
		Ectasia	Mild
Note: CARCINOMA TGLs = 2-8.1			
Kidney		Nephropathy	Chronic, Minimal
Liver		Basophilic Focus	Mild
		Eosinophilic Focus	Minimal
		Hematopoietic Cell Proliferation	Mild
Note: HYPERBASOPHILIA			
Lung		Hyperplasia	Lymphoid, Mild
		Infiltration Cellular	Histiocyte, Minimal
Mammary Gland	Duct	Ectasia	Minimal
Spleen		Hematopoietic Cell Proliferation	Moderate
Note: HEMA CELL PROL TGLs = 1-3			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 481	**TRT#:** 8	**SEX:** Female	**DAY ON TEST:** 548
	DOSE: 330 PPM	**DISP:** Dead	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone Marrow	Brain
Esophagus	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Kidney	Lymph Node - Mandibular	Lymph Node - Mesenteric
Mammary Gland	Nose	Ovary	Pancreas
Parathyroid Gland	Pituitary Gland	Salivary Glands	Skin
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder	Uterus	

MISSING

Clitoral Gland

OBSERVATIONS

Liver	Basophilic Focus	Mild
	Eosinophilic Focus	Minimal
	Hematopoietic Cell Proliferation	Minimal
	Vacuolization Cytoplasmic	Focal, Mild
Note: VACUOLIZ CYTO TGLs = 1-3.1		
Lung	Hyperplasia	Lymphoid, Mild
Spleen	Hematopoietic Cell Proliferation	Marked
Zymbal's Gland	Ectasia	Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 482	**TRT#:** 8	**SEX:** Female	**DAY ON TEST:** 287
	DOSE: 330 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone Marrow	Brain
Esophagus	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Lymph Node - Mandibular	Mammary Gland	Nose	Ovary
Pancreas	Parathyroid Gland	Salivary Glands	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Trachea
Urinary Bladder	Uterus	Zymbal's Gland	

OBSERVATIONS

Clitoral Gland		Carcinoma	
Note: CARCINOMA TGLs = 1-8.1			
Intestine Large	Rectum	Parasite Metazoan	Minimal
Kidney		Nephropathy	Chronic, Minimal
Liver		Clear Cell Focus	Minimal
		Hematopoietic Cell Proliferation	Minimal
Lung		Hyperplasia	Lymphoid, Mild
Lymph Node	Mesenteric	Hyperplasia	Reticulum Cell, Minimal
Pituitary Gland	Pars Distalis	Cyst	
Note: CYST TGLs = 4-2			
Skin		Acanthosis	Mild
		Inflammation	Chronic, Mild
Note: ACANTHOSIS TGLs = 3-10.1			
Spleen		Hematopoietic Cell Proliferation	Moderate
[Hematopoietic Cell Proliferation TGLS = 2-3]			
Zymbals Gl			
Note: ONLY ONE GLAND IS PRESENT..			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 483	**TRT#:** 8	**SEX:** Female	**DAY ON TEST:** 424
	DOSE: 330 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - 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
Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose	Ovary
Pancreas	Parathyroid Gland	Pituitary Gland	Salivary Glands
Skin	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	Uterus
Zymbal's Gland			

OBSERVATIONS

Clitoral Gland		Ectasia	Moderate
Note: ECTASIA TGLs = 1-8			
Heart		Cardiomyopathy	Chronic, Mild
Kidney		Nephropathy	Chronic, Minimal
Liver		Basophilic Focus	Moderate
		Hematopoietic Cell Proliferation	Mild
Note: HYPERBASOPHILIA..			
Lung		Hyperplasia	Lymphoid, Mild
		Infiltration Cellular	Histiocyte, Mild
Lymph Node	Axillary	Hyperplasia	Lymphoid, Mild
Note: HYPERPLASIA TGLs = 3-13			
Mammary Gland		Adenocarcinoma	
Note: ADENOCARC TGLs = 2-10.1			
Spleen		Hematopoietic Cell Proliferation	Marked
[Hematopoietic Cell Proliferation TGLS = 4-3]			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 484	**TRT#:** 8	**SEX:** Female	**DAY ON TEST:** 613
	DOSE: 330 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Brain	Esophagus	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Lymph Node - Mandibular	Lymph Node - Mesenteric
Nose	Ovary	Pancreas	Parathyroid Gland
Salivary Glands	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	Uterus
Zymbal's Gland			

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Focal, Minimal
Bone Marrow		Hyperplasia	Mild
Clitoral Gland	Bilateral	Adenoma	
Note: ADENOMA TGLs = 2-14			
Harderian Gland		Inflammation	Chronic, Mild
Note: INFLAMMATION TGLs = 13-18			
Heart		Cardiomyopathy	Chronic, Mild
Kidney		Nephropathy	Chronic, Mild
Liver		Basophilic Focus	Mild
		Degeneration	Cystic, Minimal
		Hematopoietic Cell Proliferation	Mild
		Neoplastic Nodule	Multiple
		Regeneration	Diffuse, Mild
Lung		Hyperplasia	Lymphoid, Moderate
Mammary Gland		Adenocarcinoma	
	Duct	Ectasia	Moderate
		Fibroadenoma	
Note: FIBROADENOMA TGLs = 1-13			
Note: ADENOCARC TGLs = 4-16			
Note: ECTASIA TGLs = 3-15			
Note: ADENOCA INEPTLY DESCRIBED AT NECROPSY..			
Pharynx	Mucosa, Palate	Hyperplasia	Focal, Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 484	**TRT#:** 8	**SEX:** Female	**DAY ON TEST:** 613
	DOSE: 330 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

Note: HYPERPLASIA TGLs = 16-20			
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA TGLs = 14-2			
Skin		Basal Cell Adenoma	
Note: BASAL CEL ADEN TGLs = 12-17			
Spleen		Hematopoietic Cell Proliferation	Moderate
Note: HEMA CELL PROL TGLs = 17-3			
Tongue		Squamous Cell Papilloma	
Note: SQ CL PAPILLOM TGLs = 15-19			
Zymbals Gl			
Note: ONE GLAND PRESENT..			
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 485	**TRT#:** 8	**SEX:** Female	**DAY ON TEST:** 465
	DOSE: 330 PPM	**DISP:** Dead	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone Marrow	Brain
Esophagus	Heart	Intestine Large - Colon	Intestine Large - Rectum
Kidney	Lymph Node - Mandibular	Mammary Gland	Nose
Parathyroid Gland	Pituitary Gland	Salivary Glands	Skin
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Zymbal's Gland		
MISSING			
Clitoral Gland	Intestine Large - Cecum	Intestine Small - Ileum	Intestine Small - Jejunum
Lymph Node - Mesenteric	Ovary		
AUTO PRECLUDES DIAG.			
Intestine Small - Duodenum	Islets, Pancreatic	Pancreas	Urinary Bladder
Uterus			
OBSERVATIONS			
Kidney			
Note: LEFT KIDNEY IS MISSING..			
Liver		Basophilic Focus	Mild
		Necrosis	Focal, Moderate
Lung		Hyperplasia	Lymphoid, Mild
Spleen		Hematopoietic Cell Proliferation	Moderate
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 486	**TRT#:** 8	**SEX:** Female	**DAY ON TEST:** 483
	DOSE: 330 PPM	**DISP:** Moribund	**HISTO:**

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	Lymph Node - Mandibular
Lymph Node - Mesenteric	Nose	Ovary	Pancreas
Parathyroid Gland	Pituitary Gland	Salivary Glands	Skin
Stomach - Forestomach	Stomach - Glandular	Thyroid Gland	Trachea
Urinary Bladder	Uterus		

MISSING

Thymus

OBSERVATIONS

Adrenal Gland	Cortex	Hematopoietic Cell Proliferation	Mild
	Medulla	Hematopoietic Cell Proliferation	Mild
Bone	Sternum	Osteopetrosis	Moderate
Clitoral Gland		Carcinoma	
Note: CARCINOMA TGLs = 1-8.1			
Kidney		Nephropathy	Chronic, Minimal
Liver		Basophilic Focus	Moderate
		Clear Cell Focus	Mild
		Hematopoietic Cell Proliferation	Mild
		Necrosis	Coagulative, Moderate
Note: NECROSIS TGLs = 3-3.1			
Lung		Hyperplasia	Lymphoid, Mild
Mammary Gland		Adenocarcinoma	
Note: ADENOCARC TGLs = 4-13			
Spleen		Hematopoietic Cell Proliferation	Marked
[Hematopoietic Cell Proliferation TGLS = 2-3]			
Zymbal's Gland		Adenoma	

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 487	**TRT#:** 8	**SEX:** Female	**DAY ON TEST:** 596
	DOSE: 330 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone Marrow	Brain
Esophagus	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Lymph Node - Mandibular	Nose	Ovary
Pancreas	Parathyroid Gland	Salivary Glands	Skin
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder	Uterus	

OBSERVATIONS

Clitoral Gland		Adenoma	
Note: OPPOSING GLD. NOT PRESENT..			
Note: ADENOMA TGLs = 2-8.1			
Kidney		Nephropathy	Chronic, Mild
Liver		Basophilic Focus	Mild
		Degeneration	Cystic, Mild
		Eosinophilic Focus	Mild
		Hematopoietic Cell Proliferation	Mild
	Centrilobular	Necrosis	Diffuse, Mild
		Regeneration	Multifocal, Marked
Note: NECROSIS TGLs = 5-3.1			
Lung		Hyperplasia	Lymphoid, Minimal
Lymph Node	Mediastinal	Hyperplasia	Lymphoid, Moderate
	Mesenteric	Hyperplasia	Reticulum Cell, Moderate
	Mediastinal	Infiltration Cellular	Histiocyte, Moderate
Note: TOLUIDINE BLUE..NEGATIVE..			
Note: HYPERPLASIA TGLs = 6-14			
Mammary Gland		Adenocarcinoma	Multiple
Note: [ADENOCARC] TGLs = 2,3-8.1,13			
Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 7-2.1]			
Spleen		Hematopoietic Cell Proliferation	Marked

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 487	**TRT#:** 8	**SEX:** Female	**DAY ON TEST:** 596
	DOSE: 330 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

Note: HEMA CELL PROL TGLs = 9-3		
Zymbal's Gland		Adenoma
Note: ADENOMA TGLs = 11-10		
PRIMARY CAUSE OF DEATH	-	

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 488	**TRT#:** 8	**SEX:** Female	**DAY ON TEST:** 483
	DOSE: 330 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - 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	Lymph Node - Mandibular	Lymph Node - Mesenteric
Nose	Ovary	Pancreas	Parathyroid Gland
Salivary Glands	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Trachea
Urinary Bladder	Uterus		

OBSERVATIONS

Kidney		Nephropathy	Chronic, Minimal
Liver		Basophilic Focus	Mild
		Cyst	Moderate
		Eosinophilic Focus	Mild
Note: CYST TGLs = 4-3.1			
Note: CYST IS FILLED WITH DESQUAMATED CELLS..			
Lung		Alveolar/Bronchiolar Adenoma	
		Hyperplasia	Lymphoid, Mild
Note: ALV BRON ADEN TGLs = 2-4.1			
Mammary Gland		Fibroadenoma	
Note: FIBROADENOMA TGLs = 1-13			
Pituitary Gland	Pars Distalis	Cyst	
Note: CYST TGLs = 5-2			
Zymbal's Gland		Carcinoma	
Note: CARCINOMA TGLs = 6-10,10.1			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 489	**TRT#:** 8	**SEX:** Female	**DAY ON TEST:** 378
	DOSE: 330 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone Marrow	Brain
Esophagus	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Lymph Node - Mandibular	Mammary Gland	Nose
Ovary	Pancreas	Parathyroid Gland	Salivary Glands
Skin	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	Zymbal's Gland

OBSERVATIONS

Clitoral Gland		Carcinoma	
		Ectasia	Mild
Note: CARCINOMA TGLs = 2-8.1			
Kidney	Renal Tubule	Necrosis	Focal, Mild
		Nephropathy	Chronic, Mild
Liver		Basophilic Focus	Mild
		Hematopoietic Cell Proliferation	Minimal
	Centrilobular	Necrosis	Diffuse, Moderate
Lung		Hyperplasia	Lymphoid, Mild
		Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Mediastinal	Hyperplasia	Lymphoid, Mild
	Mesenteric	Hyperplasia	Reticulum Cell, Moderate
Note: HYPERPLASIA TGLs = 4-9			
Pituitary Gland	Pars Distalis	Cyst	
Note: CYST TGLs = 3-2			
Spleen		Hematopoietic Cell Proliferation	Moderate
[Hematopoietic Cell Proliferation TGLS = 6-3]			
Uterus		Polyp Stromal	
Note: POLYP STROMAL TGLs = 5-8			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 490	**TRT#:** 8	**SEX:** Female	**DAY ON TEST:** 344
	DOSE: 330 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - 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
Nose	Ovary	Pancreas	Parathyroid Gland
Pituitary Gland	Salivary Glands	Skin	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Trachea
Urinary Bladder	Uterus	Zymbal's Gland	

OBSERVATIONS

Clitoral Gland		Carcinoma	
		Ectasia	Moderate
Note: CARCINOMA TGLs = 1-8.1			
Heart		Cardiomyopathy	Chronic, Minimal
Kidney		Nephropathy	Chronic, Minimal
Liver		Basophilic Focus	Mild
		Eosinophilic Focus	Mild
		Hematopoietic Cell Proliferation	Mild
		Necrosis	Focal, Mild
Note: NECROSIS TGLs = 3-3.1			
Lung		Hyperplasia	Lymphoid, Mild
Lymph Node	Mandibular	Hyperplasia	Lymphoid, Moderate
	Mesenteric	Hyperplasia	Reticulum Cell, Mild
Mammary Gland		Adenocarcinoma	
Note: ADENOCARC TGLs = 4-10.1			
Spleen		Hematopoietic Cell Proliferation	Moderate
Note: HEMA CELL PROL TGLs = 2-3			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 491	**TRT#:** 8	**SEX:** Female	**DAY ON TEST:** 270
	DOSE: 330 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Brain	Esophagus
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Lymph Node - Mandibular	Mammary Gland	Nose	Ovary
Pancreas	Parathyroid Gland	Pituitary Gland	Salivary Glands
Skin	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	Uterus
Zymbal's Gland			

OBSERVATIONS

Adrenal Gl			
Note: ONE PRESENT..			
Bone Marrow		Hyperplasia	Mild
Clitoral Gland		Carcinoma	
Note: CARCINOMA TGLs = 4-13			
Kidney	Renal Tubule	Pigmentation	Minimal
Liver	Centrilobular	Degeneration	Diffuse, Mild
		Hematopoietic Cell Proliferation	Mild
Note: DEGEN TGLs = 2-3.1			
Lung		Hyperplasia	Lymphoid, Mild
Lymph Node	Mesenteric	Hyperplasia	Reticulum Cell, Minimal
Skin			
Note: SKIN MASS IS CLIT.GLD. TUMOR..			
Spleen		Hematopoietic Cell Proliferation	Moderate
[Hematopoietic Cell Proliferation TGLS = 3-3]			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 492	**TRT#:** 8	**SEX:** Female	**DAY ON TEST:** 560
	DOSE: 330 PPM	**DISP:** Moribund	**HISTO:**

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	Lymph Node - Mandibular
Lymph Node - Mesenteric	Mammary Gland	Nose	Ovary
Pancreas	Parathyroid Gland	Salivary Glands	Skin
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder	Uterus	

OBSERVATIONS

Adrenal Gland	Cortex	Leukemia Mononuclear	
	Medulla	Leukemia Mononuclear	
Clitoral Gland	Bilateral	Adenoma	
Note: ADENOMA TGLs = 1-8.1			
Kidney		Nephropathy	Chronic, Minimal
Liver		Basophilic Focus	Minimal
		Leukemia Mononuclear	
		Regeneration	Multifocal, Marked
Note: LEUKEMIA MONUC TGLs = 3-3.1			
Note: REGENERATION TGLs = 4,8-3.1			
Lung	Alveolar Epith	Hyperplasia	Focal, Moderate
Note: HYPERPLASIA TGLs = 5-4.1			
Pituitary Gland	Pars Distalis	Cyst	
		Leukemia Mononuclear	
Note: CYST TGLs = 6-2			
Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-3]			
Zymbal's Gland		Ectasia	Moderate

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 493	**TRT#:** 8	**SEX:** Female	**DAY ON TEST:** 430
	DOSE: 330 PPM	**DISP:** Dead	**HISTO:**

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	Lymph Node - Mandibular	Lymph Node - Mesenteric
Mammary Gland	Nose	Ovary	Pancreas
Parathyroid Gland	Pituitary Gland	Salivary Glands	Skin
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder	Uterus	Zymbal's Gland

OBSERVATIONS

Adrenal Gland	Cortex	Necrosis	Focal, Moderate
Clitoral Gland		Adenoma	
Note: ADENOMA TGLs = 1-8.1			
Heart		Cardiomyopathy	Chronic, Mild
Kidney		Nephropathy	Chronic, Mild
Liver		Leukemia Mononuclear	
		Necrosis	Focal, Mild
		Thrombosis	
Lung		Congestion	Moderate
		Hyperplasia	Lymphoid, Mild
Note: CONGESTION TGLs = 4-4.1,4.2			
Mesentery	Fat	Necrosis	Moderate
Note: NECROSIS TGLs = 2-13			
Spleen		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 494	**TRT#:** 8	**SEX:** Female	**DAY ON TEST:** 317
	DOSE: 330 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - 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
Lymph Node - Mandibular	Mammary Gland	Nose	Ovary
Pancreas	Parathyroid Gland	Salivary Glands	Skin
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder	Uterus	

OBSERVATIONS

Clitoral Gland		Carcinoma	
Note: CARCINOMA TGLs = 1-8.1			
Heart		Cardiomyopathy	Chronic, Minimal
Kidney	Renal Tubule	Pigmentation	Mild
Note: PIGMENT TGLs = 2-5			
Liver		Basophilic Focus	Minimal
		Clear Cell Focus	Mild
		Hematopoietic Cell Proliferation	Minimal
	Bile Duct	Inflammation	Chronic, Minimal
Lung		Hyperplasia	Lymphoid, Minimal
Lymph Node	Mediastinal	Congestion	Mild
	Mesenteric	Hyperplasia	Reticulum Cell, Mild
Note: CONGESTION TGLs = 4-13			
Pituitary Gland	Pars Intermed	Cyst	Mild
Spleen		Hematopoietic Cell Proliferation	Moderate
Note: HEMA CELL PROL TGLs = 5-3			
Zymbal's Gland		Hyperplasia	Focal, Minimal

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 495	**TRT#:** 8	**SEX:** Female	**DAY ON TEST:** 431
	DOSE: 330 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Brain	Esophagus
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland	Nose
Ovary	Pancreas	Parathyroid Gland	Pituitary Gland
Salivary Glands	Skin	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder
Uterus	Zymbal's Gland		

OBSERVATIONS

Bone Marrow		Hyperplasia	Mild
Clitoral Gland	Bilateral	Carcinoma	
Note: CARCINOMA TGLs = 1,2-8.1,8.2			
Kidney	Cortex	Cyst	Marked
Note: CYST TGLs = 4-5			
Liver		Basophilic Focus	Moderate
		Clear Cell Focus	Mild
		Eosinophilic Focus	Minimal
		Hematopoietic Cell Proliferation	Minimal
Lung		Hyperplasia	Lymphoid, Mild
		Infiltration Cellular	Histiocyte, Mild
Spleen		Hematopoietic Cell Proliferation	Moderate
[Hematopoietic Cell Proliferation TGLS = 3-3]			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 496	**TRT#:** 8	**SEX:** Female	**DAY ON TEST:** 424
	DOSE: 330 PPM	**DISP:** Dead	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone Marrow	Brain
Esophagus	Intestine Large - Cecum	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lymph Node - Mandibular
Lymph Node - Mesenteric	Ovary	Pancreas	Parathyroid Gland
Salivary Glands	Skin	Stomach - Forestomach	Stomach - Glandular
Thymus	Trachea	Urinary Bladder	Uterus
Zymbal's Gland			

OBSERVATIONS

Clitoral Gland		Carcinoma	
Note: CARCINOMA NOT BILATERAL..			
Note: CARCINOMA TGLs = 2-8.1			
Heart		Cardiomyopathy	Chronic, Minimal
Intestine Large	Colon, Descend Colon	Polyp Adenomatous	
Note: POLYP ADENOMAT TGLs = 7-7			
Kidney	Renal Tubule	Pigmentation	Mild
Liver		Basophilic Focus	Moderate
		Hematopoietic Cell Proliferation	Mild
	Centrilobular	Necrosis	Diffuse, Moderate
Lung		Hyperplasia	Lymphoid, Moderate
		Infiltration Cellular	Histiocyte, Mild
[Hyperplasia TGLS = 4-4,4.1]			
Mammary Gland		Adenocarcinoma	
Note: ADENOCARC TGLs = 1-10.1			
Nose		Fungus	Moderate
Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Moderate
Note: HYPERPLASIA TGLs = 5-2			
Spleen		Hematopoietic Cell Proliferation	Marked
Note: HEMA CELL PROL TGLs = 6-3			
Thyroid Gland	C Cell	Hyperplasia	Focal, Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 497	**TRT#:** 8	**SEX:** Female	**DAY ON TEST:** 452
	DOSE: 330 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone Marrow	Brain
Esophagus	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland
Ovary	Pancreas	Parathyroid Gland	Salivary Glands
Skin	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	Uterus

OBSERVATIONS

Clitoral Gland		Ectasia	Moderate
Kidney		Nephropathy	Chronic, Mild
Liver		Leukemia Mononuclear	
Lung		Leukemia Mononuclear	
Nose		Fungus	Moderate
		Inflammation	Chronic, Mild
Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Cyst	
[Adenoma TGLS = 1-2]			
Spleen		Hematopoietic Cell Proliferation	Mild
		Leukemia Mononuclear	
Zymbal's Gland	Bilateral	Carcinoma	
Note: CARCINOMA TGLs = 2,3-10.1,10.2			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 498	**TRT#:** 8	**SEX:** Female	**DAY ON TEST:** 450
	DOSE: 330 PPM	**DISP:** Dead	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - 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	Lymph Node - Mesenteric	Nose
Ovary	Pancreas	Parathyroid Gland	Skin
Stomach - Glandular	Thyroid Gland	Trachea	Zymbal's Gland

MISSING

Lymph Node - Mandibular	Salivary Glands	Thymus

OBSERVATIONS

Kidney		Nephropathy	Chronic, Mild
	Renal Tubule	Pigmentation	Mild
[Nephropathy TGLS = 1-5]			
Liver		Basophilic Focus	Mild
	Centrilobular	Degeneration	Mild
		Eosinophilic Focus	Minimal
Note: HYPERBASOPHILIA..			
Lung		Hyperplasia	Lymphoid, Moderate
		Infiltration Cellular	Histiocyte, Mild
[Infiltration Cellular TGLS = 2-4,4.1]			
Mammary Gland	Duct	Ectasia	Mild
Mesentery		Sarcoma Stromal	Metastatic (Uterus)
Pituitary Gland	Pars Distalis	Cyst	
Note: CYST TGLs = 3-2			
Spleen		Hematopoietic Cell Proliferation	Marked
Stomach	Forestomach	Acanthosis	Mild
Urinary Bladder		Sarcoma Stromal	Metastatic (Uterus)
Uterus	Cervix	Sarcoma Stromal	Metastatic (Uterus)
		Sarcoma Stromal	
Note: SARC STROMAL TGLs = 4-8.1			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 498	**TRT#:** 8	**SEX:** Female	**DAY ON TEST:** 450
	DOSE: 330 PPM	**DISP:** Dead	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 499	**TRT#:** 8	**SEX:** Female	**DAY ON TEST:** 304
	DOSE: 330 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone Marrow	Brain
Esophagus	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Kidney	Lymph Node - Mandibular	Lymph Node - Mesenteric
Mammary Gland	Nose	Ovary	Pancreas
Parathyroid Gland	Pituitary Gland	Salivary Glands	Skin
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder	Uterus	Zymbal's Gland

OBSERVATIONS

Clitoral Gland	Carcinoma	
Note: RT,GLAND IS NOT EVIDENT IN THE SECTION..		
Note: CARCINOMA TGLs = 1-8.1		
Liver	Basophilic Focus	Minimal
	Clear Cell Focus	Minimal
	Eosinophilic Focus	Minimal
	Hematopoietic Cell Proliferation	Minimal
Lung	Hyperplasia	Lymphoid, Mild
Spleen	Hematopoietic Cell Proliferation	Moderate
[Hematopoietic Cell Proliferation TGLS = 2-3]		

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 500	**TRT#:** 8	**SEX:** Female	**DAY ON TEST:** 408
	DOSE: 330 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone Marrow	Brain
Esophagus	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Kidney	Lymph Node - Mandibular	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		Ectasia	Moderate
Note: ECTASIA TGLs = 2-8			
Liver		Basophilic Focus	Minimal
Lung		Hyperplasia	Lymphoid, Mild
		Infiltration Cellular	Histiocyte, Minimal
Pharynx	Palate	Squamous Cell Papilloma	
Note: SQ CL PAPILLOM TGLs = 3-12			
Zymbal's Gland		Carcinoma	
Note: CARCINOMA TGLs = 1-10.1			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 501	**TRT#:** 8	**SEX:** Female	**DAY ON TEST:** 436
	DOSE: 330 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - 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
Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Salivary Glands
Skin	Stomach - Forestomach	Stomach - Glandular	Thymus
Trachea	Urinary Bladder	Uterus	

OBSERVATIONS

Clitoral Gland		Adenoma	
		Carcinoma	
Note: ADENOMA TGLs = 1-8.1			
Note: CARCINOMA TGLs = 2-8			
Heart		Cardiomyopathy	Chronic, Minimal
Kidney		Nephropathy	Chronic, Minimal
Liver		Basophilic Focus	Mild
		Clear Cell Focus	Mild
		Hematopoietic Cell Proliferation	Mild
Note: PATCHY STAINING..			
Lung		Hyperplasia	Lymphoid, Mild
		Infiltration Cellular	Histiocyte, Mild
Ovary		Cyst	
Note: CYST TGLs = 3-8			
Spleen		Hematopoietic Cell Proliferation	Marked
Note: HEMA CELL PROL TGLs = 4-3			
Thyroid Gland	C Cell	Adenoma	
Zymbal's Gland		Ectasia	Moderate

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 502	**TRT#:** 8	**SEX:** Female	**DAY ON TEST:** 431
	DOSE: 330 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Brain	Esophagus
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lymph Node - Mandibular
Nose	Ovary	Pancreas	Parathyroid Gland
Pituitary Gland	Salivary Glands	Skin	Stomach - Forestomach
Stomach - Glandular	Thymus	Trachea	Urinary Bladder

OBSERVATIONS

Bone Marrow		Hyperplasia	Mild
Clitoral Gland		Carcinoma	
Note: NEOPLASM IS EXTENDING OVER THE OPPOSING GLAND..			
Note: CARCINOMA TGLs = 1-8.1			
Heart		Cardiomyopathy	Chronic, Mild
Kidney		Nephropathy	Chronic, Moderate
Liver		Basophilic Focus	Mild
		Eosinophilic Focus	Mild
		Hematopoietic Cell Proliferation	Minimal
Note: [EOSIN FOCUS] TGLs = 5-4,4.1			
Lung		Hyperplasia	Lymphoid, Mild
		Infiltration Cellular	Histiocyte, Minimal
Note: INFILTRAT CELL TGLs = 4-4,4.1			
Lymph Node	Mesenteric	Hyperplasia	Reticulum Cell, Mild
Mammary Gland		Adenocarcinoma	
Note: ADENOCARC TGLs = 3-10.1			
Spleen		Hematopoietic Cell Proliferation	Mild
Thyroid Gland	C Cell	Hyperplasia	Focal, Minimal
Uterus		Deciduoma Benign	
		Polyp Stromal	
Note: POLYP STROMAL TGLs = 2-8			
Zymbal's Gland		Ectasia	Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 503	**TRT#:** 8	**SEX:** Female	**DAY ON TEST:** 424
	DOSE: 330 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone Marrow	Brain
Esophagus	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Kidney	Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Salivary Glands
Skin	Stomach - Forestomach	Stomach - Glandular	Thyroid Gland
Trachea	Urinary Bladder	Uterus	

MISSING

Thymus

OBSERVATIONS

Clitoral Gland	Bilateral	Carcinoma	
Note: CARCINOMA TGLs = 2-8.1			
Intestine Large	Rectum	Parasite Metazoan	
Liver		Basophilic Focus	Moderate
		Eosinophilic Focus	Mild
		Hematopoietic Cell Proliferation	Mild
Lung		Hyperplasia	Lymphoid, Mild
		Infiltration Cellular	Histiocyte, Minimal
Mammary Gland		Adenocarcinoma	
Note: ADENOCARC TGLs = 7-10.1			
Ovary		Cyst	
Note: CYST TGLs = 4-8			
Spleen		Hematopoietic Cell Proliferation	Marked
[Hematopoietic Cell Proliferation TGLS = 5-3]			
Zymbal's Gland		Adenoma	
Note: ADENOMA TGLs = 7-10			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 504	**TRT#:** 8	**SEX:** Female	**DAY ON TEST:** 304
	DOSE: 330 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Brain	Esophagus
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland	Nose
Ovary	Pancreas	Parathyroid Gland	Salivary Glands
Skin	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	Uterus
Zymbal's Gland			

OBSERVATIONS

Bone Marrow		Hyperplasia	Mild
Clitoral Gland		Adenoma	
		Carcinoma	
Note: CARCINOMA TGLs = 1-8.1			
Kidney	Cortex	Cyst	Moderate
		Nephropathy	Chronic, Mild
Note: CYST TGLs = 6-5			
Liver		Basophilic Focus	Minimal
		Eosinophilic Focus	Moderate
		Hematopoietic Cell Proliferation	Mild
	Centrilobular	Necrosis	Diffuse, Moderate
Note: NECROSIS TGLs = 5-3.1,3.2			
Note: HYPERBASOPHILIA..			
Lung		Hyperplasia	Lymphoid, Mild
Pituitary Gland	Pars Distalis	Cyst	
Note: CYST TGLs = 3-2			
Spleen		Hematopoietic Cell Proliferation	Marked
[Hematopoietic Cell Proliferation TGLS = 2-3]			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 505	**TRT#:** 8	**SEX:** Female	**DAY ON TEST:** 284
	DOSE: 330 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - 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
Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose	Ovary
Pancreas	Parathyroid Gland	Pituitary Gland	Salivary Glands
Skin	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	Uterus
Zymbal's Gland			

OBSERVATIONS

Adrenal Gland	Cortex	Infiltration Cellular	Lymphocyte, Mild
Bone Marrow		Hyperplasia	Mild
Kidney		Nephropathy	Chronic, Mild
Liver		Basophilic Focus	Minimal
Lung		Hyperplasia	Lymphoid, Mild
Lymph Node	Mediastinal	Hemorrhage	Mild
	Axillary	Hyperplasia	Lymphoid, Mild
Note: HYPERPLASIA TGLs = 4-13			
Note: HEMORRHAGE TGLs = 3-9			
Mammary Gland		Adenocarcinoma	
Note: ADENOCARC TGLs = 5-10.1			
Spleen		Hematopoietic Cell Proliferation	Mild
Note: HEMA CELL PROL TGLs = 1-3			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 506	**TRT#:** 8	**SEX:** Female	**DAY ON TEST:** 344
	DOSE: 330 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Brain	Esophagus
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Lymph Node - Mandibular	Mammary Gland	Nose	Ovary
Pancreas	Parathyroid Gland	Salivary Glands	Skin
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder	Uterus	

OBSERVATIONS

Bone Marrow		Hyperplasia	Mild
Clitoral Gland		Carcinoma	
		Hyperplasia	Focal, Mild
Note: CARCINOMA TGLs = 1-8.1			
Kidney		Nephropathy	Chronic, Mild
Liver		Basophilic Focus	Minimal
		Eosinophilic Focus	Mild
		Hematopoietic Cell Proliferation	Mild
	Centrilobular	Necrosis	Diffuse, Minimal
Note: HYPERBASOPHILIA..			
[Basophilic Focus TGLS = 6-3.1]			
Lung		Hyperplasia	Lymphoid, Mild
Lymph Node	Mesenteric	Hyperplasia	Reticulum Cell, Mild
Pituitary Gland	Pars Distalis	Cyst	
Note: CYST TGLs = 3,4-2			
Spleen		Hematopoietic Cell Proliferation	Moderate
[Hematopoietic Cell Proliferation TGLS = 2-3]			
Zymbal's Gland		Carcinoma	
Note: CARCINOMA TGLs = 7-10			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 507	**TRT#:** 8	**SEX:** Female	**DAY ON TEST:** 560
	DOSE: 330 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone Marrow	Esophagus
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland
Pancreas	Salivary Glands	Skin	Stomach - Forestomach
Thyroid Gland	Trachea	Urinary Bladder	Zymbal's Gland

MISSING

Thymus

OBSERVATIONS

Brain	Cerebrum	Necrosis	Focal, Marked
Note: NECROSIS TGLs = 5-1			
Clitoral Gland		Adenoma	
Note: ONE GLD. PRESENT..			
Note: ADENOMA TGLs = 1-8.1			
Heart		Cardiomyopathy	Chronic, Mild
	Artery	Mineralization	Multifocal, Mild
Intestine Large	Cecum, Submucosa	Inflammation	Acute, Mild
	Colon, Muscularis	Mineralization	Marked
Kidney	Renal Tubule	Mineralization	Moderate
		Nephropathy	Chronic, Moderate
Liver		Basophilic Focus	Mild
Lung		Hyperplasia	Lymphoid, Mild
Nose		Hyperkeratosis	Focal, Mild
Ovary		Cyst	
Note: CYST TGLs = 2-8			
Parathyroid Gland		Hyperplasia	Moderate
Pituitary Gland	Pars Distalis	Necrosis	Focal, Marked
Note: NECROSIS TGLs = 4,6-2			
Spleen		Pigmentation	Moderate
Stomach	Glandular	Inflammation	Acute, Moderate
	Glandular	Mineralization	Moderate

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 507	**TRT#:** 8	**SEX:** Female	**DAY ON TEST:** 560
	DOSE: 330 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

Uterus	Polyp Stromal
Note: POLYP STROMAL TGLs = 3-8	
PRIMARY CAUSE OF DEATH	-

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 508	**TRT#:** 8	**SEX:** Female	**DAY ON TEST:** 441
	DOSE: 330 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone Marrow	Brain
Esophagus	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Lymph Node - Mesenteric	Nose	Pancreas
Parathyroid Gland	Salivary Glands	Skin	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Trachea
Urinary Bladder	Uterus	Zymbal's Gland	

OBSERVATIONS

Clitoral Gland		Carcinoma	
Note: CARCINOMA TGLs = 1-8.1			
Kidney		Nephropathy	Chronic, Minimal
	Renal Tubule	Pigmentation	Mild
Liver		Basophilic Focus	Mild
		Necrosis	Focal, Minimal
Note: HYPERBASOPHILIA..			
Lung		Hyperplasia	Lymphoid, Minimal
		Infiltration Cellular	Histiocyte, Minimal
Note: INFILTRAT CELL TGLs = 4-4,4.1			
Lymph Node	Mandibular	Hemorrhage	Moderate
Mammary Gland		Adenocarcinoma	
		Adenocarcinoma	
Note: ADENOCARC TGLs = 8-10.2			
Note: ADENOCARC TGLs = 3-10.1			
Ovary		Cyst	
Note: CYST TGLs = 2-8			
Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Angiectasis	Mild
	Pars Distalis	Pigmentation	Focal, Mild
Note: ECTASIA TGLs = 6-2			
[Adenoma TGLS = 5-2]			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 508	**TRT#:** 8	**SEX:** Female	**DAY ON TEST:** 441
	DOSE: 330 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

[Pigmentation TGLS = 7-2]			
Spleen		Hematopoietic Cell Proliferation	Moderate
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 509	**TRT#:** 8	**SEX:** Female	**DAY ON TEST:** 402
	DOSE: 330 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone Marrow	Brain
Esophagus	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Lymph Node - Mandibular	Mammary Gland	Nose
Ovary	Pancreas	Parathyroid Gland	Salivary Glands
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder
Uterus			

OBSERVATIONS

Clitoral Gland		Adenoma	
		Ectasia	Mild
Note: [ADENOMA] TGLs = 1-8.1			
Kidney		Nephropathy	Chronic, Minimal
Note: NEPHROPATHY TGLs = 3-5			
Liver		Eosinophilic Focus	Moderate
		Necrosis	Coagulative, Moderate
Note: LIVER NECROSIS RESULT OF IP INJECT.. PATCHY STAINING..			
Lung		Hyperplasia	Lymphoid, Minimal
Lymph Node	Mesenteric	Hyperplasia	Reticulum Cell, Mild
Mesentery	Fat	Necrosis	Mild
Note: NECROSIS TGLs = 2-13			
Pituitary Gland	Pars Distalis	Cyst	
Note: CYST TGLs = 5-2			
Zymbal's Gland		Carcinoma	
Note: CARCINOMA TGLs = 4-10.1,10.2			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 510	**TRT#:** 8	**SEX:** Female	**DAY ON TEST:** 344
	DOSE: 330 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone Marrow	Brain
Esophagus	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Lymph Node - Mandibular	Nose	Ovary
Pancreas	Parathyroid Gland	Salivary Glands	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	Zymbal's Gland

OBSERVATIONS

Clitoral Gland		Ectasia	Mild
Note: ECTASIA TGLs = 4-8			
Kidney		Nephropathy	Chronic, Minimal
Liver		Basophilic Focus	Minimal
Note: PATCHY STAINING..			
Lung		Hyperplasia	Lymphoid, Mild
Lymph Node	Mesenteric	Hyperplasia	Reticulum Cell, Moderate
Mammary Gland		Adenocarcinoma	
		Fibroadenoma	
Note: ADENOCARC TGLs = 2-10.1			
Note: FIBROADENOMA TGLs = 3-10.2			
Pituitary Gland	Pars Distalis	Cyst	
Uterus	Endometrium	Cyst	Minimal
Note: CYST TGLs = 1-8			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 511	**TRT#:** 8	**SEX:** Female	**DAY ON TEST:** 483
	DOSE: 330 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Brain	Esophagus
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Kidney
Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose	Ovary
Pancreas	Parathyroid Gland	Salivary Glands	Skin
Stomach - Forestomach	Stomach - Glandular	Thyroid Gland	Trachea
Urinary Bladder	Uterus		

MISSING

Thymus

OBSERVATIONS

Bone Marrow		Hyperplasia	Mild
Clitoral Gland		Carcinoma	
Note: [CARCINOMA] TGLs = 1-8.1			
Heart		Cardiomyopathy	Chronic, Minimal
Liver		Basophilic Focus	Moderate
		Clear Cell Focus	Minimal
		Eosinophilic Focus	Mild
		Fatty Change	Mild
		Granuloma	Mild
		Hematopoietic Cell Proliferation	Mild
Note: BASOPH FOCUS TGLs = 4-3.1			
Note: GRANULOMA TGLs = 5-3.1			
Lung		Inflammation	Suppurative, Focal, Marked
		Parasite Metazoan	
Mammary Gland		Adenocarcinoma	
		Fibroadenoma	
Note: ADENOCARC TGLs = 3-14			
Note: FIBROADENOMA TGLs = 2-13			
Pituitary Gland	Pars Distalis	Cyst	
Note: CYST TGLs = 6-2			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 511	**TRT#:** 8	**SEX:** Female	**DAY ON TEST:** 483
	DOSE: 330 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

Spleen		Hematopoietic Cell Proliferation	Moderate
Zymbal's Gland	Bilateral	Carcinoma	
Note: CARCINOMA TGLs = 7-10			
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 512	**TRT#:** 8	**SEX:** Female	**DAY ON TEST:** 613
	DOSE: 330 PPM	**DISP:** Moribund	**HISTO:**

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	Lymph Node - Mandibular	Mammary Gland
Nose	Ovary	Pancreas	Parathyroid Gland
Pituitary Gland	Salivary Glands	Skin	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

OBSERVATIONS

Adrenal Gland	Cortex	Leukemia Mononuclear	
	Medulla	Leukemia Mononuclear	
Bone	Sternum	Osteopetrosis	Marked
Clitoral Gland		Adenoma	
Note: ADENOMA TGLs = 2-8.1			
Heart	Atrium	Thrombosis	
Note: THROMBUS TGLs = 6-3			
Kidney		Nephropathy	Chronic, Mild
Liver		Degeneration	Cystic, Minimal
		Hematopoietic Cell Proliferation	Minimal
		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 4,5-3.1			
Lung	Alveolar Epith	Hyperplasia	Focal, Mild
Lymph Node	Pancreatic	Congestion	Moderate
	Pancreatic	Hyperplasia	Lymphoid, Moderate
	Mesenteric	Leukemia Mononuclear	
Note: CONGESTION TGLs = 9-13			
Spleen		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 8-3			
Uterus		Adenoma	
Note: [ADENOMA] TGLs = 3-8			
Zymbal's Gland		Ectasia	Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 512	**TRT#:** 8	**SEX:** Female	**DAY ON TEST:** 613
	DOSE: 330 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

		Hyperplasia	Focal, Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 513	**TRT#:** 8	**SEX:** Female	**DAY ON TEST:** 563
	DOSE: 330 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone Marrow	Brain
Esophagus	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Kidney	Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose
Ovary	Pancreas	Parathyroid Gland	Salivary Glands
Skin	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

OBSERVATIONS

Clitoral Gland		Carcinoma	
Note: CARCINOMA TGLs = 1-8.1			
Intestine Large	Rectum	Adenocarcinoma	
Note: [ADENOCARC] TGLs = 6-7.1			
Liver		Basophilic Focus	Mild
		Eosinophilic Focus	Marked
		Hematopoietic Cell Proliferation	Minimal
		Necrosis	Focal, Moderate
Note: [EOSIN FOCUS] TGLs = 8,9-3.1			
Lung		Hyperplasia	Lymphoid, Mild
		Infiltration Cellular	Histiocyte, Mild
Mammary Gland	Duct	Ectasia	Moderate
		Galactocele	
Note: ECTASIA TGLs = 10-10			
Note: GALACTOCELE TGLs = 11-14			
Mesentery	Fat	Necrosis	Moderate
Note: NECROSIS TGLs = 4-13			
Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
[Hyperplasia TGLS = 12-2]			
Spleen		Hematopoietic Cell Proliferation	Moderate
Uterus		Adenoma	
		Polyp Stromal	

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 513	**TRT#:** 8	**SEX:** Female	**DAY ON TEST:** 563
	DOSE: 330 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

Note: ADENOMA TGLs = 2-8.2
[Adenoma TGLS = 3-8,8.2]

Zymbal's Gland	Ectasia	Moderate
	Hyperplasia	Squamous, Focal, Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 514	**TRT#:** 8	**SEX:** Female	**DAY ON TEST:** 423
	DOSE: 330 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - 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	Lymph Node - Mandibular	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

Kidney		Nephropathy	Chronic, Minimal
Liver		Basophilic Focus	Minimal
		Granuloma	Minimal
Lung		Hyperplasia	Lymphoid, Minimal
Lymph Node	Mesenteric	Hyperplasia	Reticulum Cell, Mild
Zymbal's Gland	Bilateral	Carcinoma	
Note: CARCINOMA TGLs = 1,2-10.1,10.2			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 515	**TRT#:** 8	**SEX:** Female	**DAY ON TEST:** 563
	DOSE: 330 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone Marrow	Brain
Esophagus	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lymph Node - Mandibular
Lymph Node - Mesenteric	Nose	Ovary	Pancreas
Parathyroid Gland	Pituitary Gland	Salivary Glands	Skin
Stomach - Forestomach	Stomach - Glandular	Thymus	Trachea
Urinary Bladder	Uterus	Zymbal's Gland	

OBSERVATIONS

Bone	Sternum	Osteopetrosis	Moderate
Clitoral Gland	Bilateral	Carcinoma	
Note: CARCINOMA TGLs = 1-8.1			
Heart		Cardiomyopathy	Chronic, Mild
Intestine Small	Duodenum	Adenocarcinoma	Cystic, Mucinous
Note: ADENOCARC TGLs = 3-6.1			
Kidney		Nephropathy	Chronic, Minimal
Liver		Basophilic Focus	Moderate
		Eosinophilic Focus	Mild
		Hematopoietic Cell Proliferation	Mild
		Vacuolization Cytoplasmic	Focal, Minimal
Note: VACUOLIZ CYTO TGLs = 4-3.1			
Lung		Hyperplasia	Lymphoid, Mild
Mammary Gland		Adenocarcinoma	
Note: ADENOCARC TGLs = 2-10.1			
Spleen		Hematopoietic Cell Proliferation	Marked
Thyroid Gland	Follicular Cel	Adenoma	
Note: ADENOMA TGLs = 6-2			
Zymbals Gl			
Note: ONE GLD. PRESENT			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 516	**TRT#:** 8	**SEX:** Female	**DAY ON TEST:** 602
	DOSE: 330 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone Marrow	Brain
Esophagus	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Kidney	Lymph Node - Mandibular	Lymph Node - Mesenteric
Mammary Gland	Nose	Ovary	Pancreas
Parathyroid Gland	Pituitary Gland	Salivary Glands	Skin
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder	Uterus	

OBSERVATIONS

Clitoral Gland	Carcinoma	
Note: CARCINOMA TGLs = 2-8,8.1		
Note: SEE SLD#8 FOR CARCINOMA FEATURE..		
Liver	Basophilic Focus	Minimal
	Clear Cell Focus	Minimal
	Eosinophilic Focus	Marked
	Hematopoietic Cell Proliferation	Mild
	Hepatocellular Carcinoma	
Lung	Hyperplasia	Lymphoid, Mild
Spleen	Hematopoietic Cell Proliferation	Moderate
Tongue	Squamous Cell Papilloma	
Note: SQ CL PAPILLOM TGLs = 6-13		
Zymbal's Gland	Carcinoma	
	Ectasia	Moderate
Note: CARCINOMA TGLs = 1-10		

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 517	**TRT#:** 8	**SEX:** Female	**DAY ON TEST:** 485
	DOSE: 330 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Brain	Esophagus
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Lymph Node - Mesenteric	Mammary Gland	Nose	Ovary
Pancreas	Parathyroid Gland	Pituitary Gland	Salivary Glands
Skin	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	Zymbal's Gland

OBSERVATIONS

Bone Marrow		Hyperplasia	Mild
Clitoral Gland		Adenoma	
		Hyperplasia	Focal, Mild
Note: ADENOMA TGLs = 1-8.1			
Kidney		Nephropathy	Chronic, Minimal
Liver		Basophilic Focus	Mild
		Eosinophilic Focus	Mild
		Granuloma	Mild
		Hematopoietic Cell Proliferation	Minimal
Lung		Hyperplasia	Lymphoid, Mild
Lymph Node	Mandibular	Hyperplasia	Lymphoid, Moderate
Spleen		Hematopoietic Cell Proliferation	Mild
Tongue		Squamous Cell Carcinoma	
Note: [SQUAM CEL CARC] TGLs = 3-15			
Uterus		Polyp Stromal	
Note: POLYP STROMAL TGLs = 4-13			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 518	**TRT#:** 8	**SEX:** Female	**DAY ON TEST:** 483
	DOSE: 330 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone Marrow	Brain	Esophagus
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Kidney	Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland
Nose	Ovary	Pancreas	Parathyroid Gland
Salivary Glands	Skin	Stomach - Forestomach	Stomach - Glandular
Thyroid Gland	Trachea	Urinary Bladder	Uterus

MISSING

Thymus

OBSERVATIONS

Adrenal Gland	Cortex	Vacuolization Cytoplasmic	Focal, Mild
Clitoral Gland		Carcinoma	
		Hyperplasia	Focal, Mild
Note: CARCINOMA TGLs = 1-8.1			
Liver		Basophilic Focus	Moderate
	Centrilobular	Degeneration	Diffuse, Mild
		Eosinophilic Focus	Mild
		Hematopoietic Cell Proliferation	Mild
Note: DEGEN TGLs = 2-3.1			
Lung		Hyperplasia	Lymphoid, Mild
Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 4-2]			
Spleen		Hematopoietic Cell Proliferation	Moderate
Zymbal's Gland		Ectasia	Marked
		Hyperplasia	Squamous, Focal, Moderate

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 519	**TRT#:** 8	**SEX:** Female	**DAY ON TEST:** 491
	DOSE: 330 PPM	**DISP:** Dead	**HISTO:**

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	Lymph Node - Mandibular
Lymph Node - Mesenteric	Nose	Ovary	Pancreas
Parathyroid Gland	Pituitary Gland	Salivary Glands	Skin
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder	Uterus	

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Focal, Minimal
	Cortex	Vacuolization Cytoplasmic	Diffuse, Moderate
Clitoral Gland		Ectasia	Marked
		Hyperplasia	Focal, Mild
Kidney		Nephropathy	Chronic, Moderate
Liver	Centrilobular	Degeneration	Diffuse, Moderate
		Hematopoietic Cell Proliferation	Mild
Note: DEGEN TGLs = 2-3.1			
Lung		Hyperplasia	Lymphoid, Mild
Mammary Gland		Adenocarcinoma	
Note: ADENOCARC TGLs = 1-13			
Spleen		Hematopoietic Cell Proliferation	Marked
Note: HEMA CELL PROL TGLs = 3-3			
Zymbal's Gland		Ectasia	Moderate

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 520	**TRT#:** 8	**SEX:** Female	**DAY ON TEST:** 561
	DOSE: 330 PPM	**DISP:** Moribund	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Brain	Esophagus	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lymph Node - Mandibular
Lymph Node - Mesenteric	Nose	Ovary	Pancreas
Parathyroid Gland	Pituitary Gland	Salivary Glands	Skin
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder	Uterus	

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Focal, Minimal
Bone Marrow		Hyperplasia	Mild
Clitoral Gland		Carcinoma	
Note: [CARCINOMA] TGLs = 1-8.1			
Kidney		Nephropathy	Chronic, Minimal
Liver		Basophilic Focus	Moderate
		Clear Cell Focus	Minimal
		Eosinophilic Focus	Mild
		Hematopoietic Cell Proliferation	Mild
		Necrosis	Multifocal, Minimal
Lung		Hyperplasia	Lymphoid, Mild
Lymph Node	Axillary	Hyperplasia	Lymphoid, Moderate
Note: HYPERPLASIA TGLs = 8-14			
Mammary Gland		Adenocarcinoma	Multiple
Note: ADENOCARC TGLs = 2,3-10.1,13			
Spleen		Hematopoietic Cell Proliferation	Marked
Note: HEMA CELL PROL TGLs = 9-3			
Zymbal's Gland		Ectasia	Mild
Note: ONE GLD. PRESENT..			

PRIMARY CAUSE OF DEATH -

** END OF REPORT **

* PROTOCOL REQUIRED TISSUE