C Number:	C55947
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	04/07/1989

ANIMAL ID: 1	**TRT#:** 4	**SEX:** Male	**DAY ON TEST:** 727
	DOSE: CONTROL	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Bone Marrow		Hyperplasia	Moderate
Brain		Compression	
Heart		Cardiomyopathy	Moderate
Intestine Small	Jejunum	Leiomyosarcoma	
Note: LEIOMYOSAR TGLs = 4-14			
Note: PARTS OF TUMOR APPEAR NEUROFIBROSARCOMATOUS			
Islets, Pancreatic		Adenoma	
Kidney		Nephropathy	Chronic, Marked
Larynx		Inflammation	Chronic, Minimal
Liver		Angiectasis	Multifocal, Moderate
	Portal	Fibrosis	Multifocal, Minimal
	Bile Duct	Hyperplasia	Multifocal, Minimal
		Leukemia Mononuclear	
Lung		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 2-4+5			
Lymph Node	Mediastinal	Leukemia Mononuclear	
Nose	Mucosa	Inflammation	Chronic Active, Mild
Pituitary Gland	Pars Distalis	Adenoma	
Note: [ADENOMA] TGLs = 5-1			
Preputial Gland		Ectasia	Mild
		Inflammation	Granulomatous, Mild
Spleen		Fibrosis	Focal, Marked

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1	**TRT#:** 4	**SEX:** Male	**DAY ON TEST:** 727
	DOSE: CONTROL	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

		Leukemia Mononuclear
Note: LEUKEMIA MONUC TGLs = 1-3+14		
Note: FIBROSIS TGLs = 3-14		
Testes	Interstit Cell	Adenoma
PRIMARY CAUSE OF DEATH	-	

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 629
	DOSE: 5 PPM	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Adrenal Gland	Cortex	Degeneration	Fatty, Diffuse, Minimal
Heart		Alveolar/Bronchiolar Carcinoma	Metastatic (Lung)
		Cardiomyopathy	Mild
Islets, Pancreatic		Hyperplasia	Multifocal, Moderate
Kidney		Nephropathy	Chronic, Moderate
Liver	Portal	Fibrosis	Multifocal, Mild
	Bile Duct	Hyperplasia	Multifocal, Mild
Lung		Alveolar/Bronchiolar Adenoma	
		Alveolar/Bronchiolar Carcinoma	Multiple
	Alveolar Epith	Hyperplasia	Multifocal, Marked
	Bronchiole	Hyperplasia	Multifocal, Marked
	Bronchus	Metaplasia	Squamous, Mild
Note: ALV BRON ADEN TGLs = 5-4			
Note: ALV BRON CARC TGLs = 4-5			
Note: 3 SITES OF A-B CARC. IN RIGHT			
Note: HYPERPLASIA TGLs = 5-4			
Note: ALV BRON CARC TGLs = 5-4			
Note: 3 SITES OF A-B CARC. IN LEFT			
Nose	Mucosa	Inflammation	Suppurative, Chronic Active, Mild
Preputial Gland		Inflammation	Granulomatous, Moderate
Stomach	Forestomach	Inflammation	Acute, Focal, Mild
Testes	Bilateral, Interstit Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 629
	DOSE: 5 PPM	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

Note: ADENOMA TGLs = 7-10+11			
Thyroid Gland	C Cell	Adenoma	
Tissue NOS		Alveolar/Bronchiolar Carcinoma	Metastatic (Lung)
Note: ALV BRON CARC TGLs = 2+3-14			
Note: TISSUE NOS-COSTAL & DIAPHRAGMATIC PLEURA			
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1	**TRT#:** 6	**SEX:** Male	**DAY ON TEST:** 687
	DOSE: 2 PPM	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Focal, Minimal
Bone Marrow		Hyperplasia	Moderate
Heart		Cardiomyopathy	Mild
Intestine Small	Duodenum, Muscularis	Hyperplasia	Focal, Marked
Kidney		Nephropathy	Chronic, Moderate
		Pigmentation	Multifocal, Mild
Note: PIGMENT TGLs = 9-7			
Larynx		Inflammation	Chronic, Mild
Liver	Portal	Fibrosis	Multifocal, Moderate
	Bile Duct	Hyperplasia	Multifocal, Moderate
		Hyperplasia	Nodular, Multifocal, Moderate
		Leukemia Mononuclear	
		Necrosis	Subacute, Multifocal, Marked
Note: HYPERPLASIA TGLs = 8-3			
Note: NECROSIS TGLs = 8-3			
Lung		Alveolar/Bronchiolar Adenoma	
	Alveolar Epith	Hyperplasia	Focal, Moderate
		Leukemia Mononuclear	
Lymph Node	Mandibular	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
Mammary Gland		Ectasia	Multifocal, Minimal
Nose	Nasolacrim Dct	Inflammation	Suppurative, Chronic Active, Moderate

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1	**TRT#:** 6	**SEX:** Male	**DAY ON TEST:** 687
	DOSE: 2 PPM	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

Pituitary Gland	Pars Distalis	Adenoma	
		Leukemia Mononuclear	
[Adenoma TGLS = 10-1]			
Preputial Gland		Inflammation	Granulomatous, Moderate
Seminal Vesicle		Atrophy	Mild
Note: ATROPHY TGLs = 6-11			
Spleen		Fibrosis	Focal, Marked
		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 3-3			
Testes	Bilateral, Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Mild
		Mineralization	Focal, Moderate
Note: ATROPHY TGLs = 5-10+11			
Thymus	Epithel Cell	Hyperplasia	Marked
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 2	**TRT#:** 4	**SEX:** Male	**DAY ON TEST:** 563
	DOSE: CONTROL	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Adrenal Gland - Medulla	Mammary Gland

OBSERVATIONS

Bone Marrow		Leukemia Mononuclear	
Heart		Cardiomyopathy	Minimal
		Leukemia Mononuclear	
Kidney		Nephropathy	Chronic, Mild
		Pigmentation	Diffuse, Marked
Note: PIGMENT TGLs = 3-7+7.1			
Liver	Centrilobular	Atrophy	Diffuse, Moderate
	Periportal	Cytomegaly	Diffuse, Moderate
	Bile Duct	Hyperplasia	Multifocal, Marked
		Leukemia Mononuclear	
		Mitotic Alteration	Moderate
Note: ATROPHY TGLs = 2-3			
Note: LEUKEMIA MONUC TGLs = 2-3			
Lung		Leukemia Mononuclear	
Lymph Node	Mandibular	Hyperplasia	Plasma Cell, Moderate
	Mediastinal	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
Pancreas	Acinus	Atrophy	Multifocal, Moderate
Preputial Gland		Inflammation	Granulomatous, Minimal
Prostate		Hyperplasia	Focal, Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 2	**TRT#:** 4	**SEX:** Male	**DAY ON TEST:** 563
	DOSE: CONTROL	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

Spleen		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 1-14			
Testes	Interstit Cell	Adenoma	
		Mineralization	Multifocal, Mild
Note: ADENOMA TGLs = 5-10			
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 2	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 728
	DOSE: 5 PPM	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Adrenal Gland - Medulla	Intestine Small - Ileum

OBSERVATIONS

Adrenal Gland	Capsule	Accessory Adrenal Cortical Nodule	
Heart		Cardiomyopathy	Moderate
Note: CARDIOMYOPATHY TGLs = 3-2.1			
Intestine Large	Colon	Parasite Metazoan	
Kidney		Nephropathy	Chronic, Mild
Liver		Basophilic Focus	Multiple
	Bile Duct	Hyperplasia	Multifocal, Minimal
Lung		Alveolar/Bronchiolar Carcinoma	Multiple
	Alveolar Epith	Hyperplasia	Multifocal, Marked
	Bronchiole	Hyperplasia	Multifocal, Marked
Note: ALV BRON CARC TGLs = 2-4			
Note: HYPERPLASIA TGLs = 2-4+5+14			
Note: ALV BRON CARC TGLs = 4+5-14			
Note: ALV BRON CARC TGLs = 1+2-5			
Lymph Node	Mediastinal	Cyst	Marked
Mammary Gland		Ectasia	Multifocal, Mild
Nose	Mucosa	Inflammation	Chronic Active, Minimal
Pancreas	Acinus	Atrophy	Multifocal, Mild
Pituitary Gland	Pars Distalis	Hypertrophy	Focal, Mild
Preputial Gland		Inflammation	Granulomatous, Mild
Prostate		Hyperplasia	Multifocal, Moderate

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 2	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 728
	DOSE: 5 PPM	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

Skin	Epithelium, Tail	Hyperplasia	Mild
	Tail	Inflammation	Chronic, Moderate
Note: INFLAMMATION TGLs = 9-15			
Spleen		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 10-3			
Testes	Bilateral, Interstit Cell	Adenoma	
Note: ADENOMA TGLs = 6+7-11+16			
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 2	**TRT#:** 6	**SEX:** Male	**DAY ON TEST:** 727
	DOSE: 2 PPM	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Thymus

OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Focal, Minimal
Heart		Cardiomyopathy	Moderate
Islets, Pancreatic		Hyperplasia	Focal, Marked
Kidney		Nephropathy	Chronic, Moderate
Liver		Granuloma	Multifocal, Minimal
	Bile Duct	Hyperplasia	Multifocal, Minimal
Lung		Alveolar/Bronchiolar Adenoma	
		Alveolar/Bronchiolar Carcinoma	
	Alveolar Epith	Hyperplasia	Multifocal, Mild
	Bronchiole	Hyperplasia	Multifocal, Mild
Note: ALV BRON CARC TGLs = 1-4			
Note: ALV BRON ADEN TGLs = 1-4			
Preputial Gland		Foreign Body	Minimal
		Inflammation	Granulomatous, Moderate
Seminal Vesicle		Atrophy	Mild
Testes	Bilateral, Interstit Cell	Adenoma	
Note: ADENOMA TGLs = 2+3-10+11			
Thyroid Gland	C Cell	Hyperplasia	Focal, Marked
Trachea		Inflammation	Chronic, Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 2	**TRT#:** 6	**SEX:** Male	**DAY ON TEST:** 727
	DOSE: 2 PPM	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 3	**TRT#:** 4	**SEX:** Male	**DAY ON TEST:** 422
	DOSE: CONTROL	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
Adrenal Gland - Cortex	Bone	Bone Marrow	Epididymis
Esophagus	Intestine Large - Colon	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Nose	Pancreas
Parathyroid Gland	Prostate	Salivary Glands	Skin
Stomach - Forestomach	Stomach - Glandular	Testes	Thyroid Gland
Trachea	Urinary Bladder		
MISSING			
Adrenal Gland - Medulla	Intestine Large - Cecum	Intestine Large - Rectum	Larynx
Seminal Vesicle	Thymus		
OBSERVATIONS			
Brain		Compression	
Eye	Bilateral, Cornea	Mineralization	Multifocal, Mild
Note: MINERALIZATION TGLs = 4-15			
Heart		Cardiomyopathy	Mild
Kidney		Nephropathy	Chronic, Mild
Liver		Fatty Change	Multifocal, Mild
		Leukemia Mononuclear	
Lung		Leukemia Mononuclear	
Lymph Node	Mandibular	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
Mammary Gland		Ectasia	Multifocal, Mild
Pituitary Gland	Pars Distalis	Adenoma	
		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 2-12+13			
Note: ADENOMA TGLs = 2-12+13			
Preputial Gland		Inflammation	Granulomatous, Minimal
Spleen		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 1-8			
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 3	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 549
	DOSE: 5 PPM	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Brain	Epididymis
Esophagus	Intestine Large - Cecum	Intestine Large - Colon	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Larynx
Pancreas	Salivary Glands	Skin	Stomach - Glandular
Trachea			

MISSING

Parathyroid Gland

OBSERVATIONS

Adrenal Gland	Capsule	Accessory Adrenal Cortical Nodule	
	Cortex	Degeneration	Fatty, Diffuse, Minimal
Bone Marrow		Leukemia Mononuclear	
Heart		Cardiomyopathy	Mild
		Leukemia Mononuclear	
Intestine Large	Rectum	Parasite Metazoan	
Kidney	Prox Con Tub	Necrosis	Acute, Mild
		Nephropathy	Chronic, Minimal
Liver	Centrilobular	Atrophy	Multifocal, Mild
	Bile Duct	Hyperplasia	Multifocal, Moderate
		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 5-3			
Lung	Alveolar Epith	Hyperplasia	Multifocal, Moderate
	Bronchiole	Hyperplasia	Multifocal, Moderate
	Mediastinum	Leukemia Mononuclear	
		Leukemia Mononuclear	
		Squamous Cell Carcinoma	
Note: LEUKEMIA MONUC TGLs = 1+2-4+4.1+5.1+5			
Note: HYPERPLASIA TGLs = 1+2-4+5+4.1+5.1			
Note: SQUAM CEL CARC TGLs = 1-4+4.1			
Lymph Node	Axillary	Leukemia Mononuclear	
	Mandibular	Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 3	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 549
	DOSE: 5 PPM	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

	Mediastinal	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 3-14			
Mammary Gland		Leukemia Mononuclear	
Mesentery		Leukemia Mononuclear	
Nose	Mucosa	Inflammation	Chronic Active, Minimal
Pituitary Gland	Pars Distalis	Adenoma	
		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 10-1			
[Adenoma TGLS = 10-1]			
Preputial Gland		Inflammation	Granulomatous, Moderate
Prostate		Leukemia Mononuclear	
Seminal Vesicle		Leukemia Mononuclear	
Spleen		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 4-3			
Stomach	Forestomach	Leukemia Mononuclear	
Testes	Interstit Cell	Hyperplasia	Minimal
Thymus		Leukemia Mononuclear	
Thyroid Gland	C Cell	Hyperplasia	Focal, Mild
		Leukemia Mononuclear	
Urinary Bladder		Leukemia Mononuclear	
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 3	**TRT#:** 6	**SEX:** Male	**DAY ON TEST:** 727
	DOSE: 2 PPM	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Heart		Cardiomyopathy	Mild
Intestine Large	Colon	Parasite Metazoan	
Islets, Pancreatic		Hyperplasia	Focal, Mild
Kidney		Nephropathy	Chronic, Moderate
Liver		Basophilic Focus	Multiple
Lung		Alveolar/Bronchiolar Adenoma	Multiple
		Alveolar/Bronchiolar Carcinoma	
	Alveolar Epith	Hyperplasia	Multifocal, Marked
	Bronchiole	Hyperplasia	Multifocal, Marked
Note: ALV BRON CARC TGLs = 2-4			
Note: HYPERPLASIA TGLs = 2+8-4+5			
Note: ALV BRON ADEN TGLs = 1-5			
Preputial Gland		Inflammation	Granulomatous, Minimal
Seminal Vesicle		Atrophy	Moderate
Note: ATROPHY TGLs = 7-10			
Testes	Bilateral, Interstit Cell	Adenoma	
Note: ADENOMA TGLs = 5+6-10+11			
Thymus	Epithel Cell	Hyperplasia	Mild
Thyroid Gland	C Cell	Hyperplasia	Focal, Minimal

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 4	**TRT#:** 4	**SEX:** Male	**DAY ON TEST:** 658
	DOSE: CONTROL	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Adrenal Gland	Capsule	Accessory Adrenal Cortical Nodule	
	Cortex	Hyperplasia	Multifocal, Mild
Epididymis		Mesothelioma Malignant	
Heart		Cardiomyopathy	Minimal
Intestine Large	Cecum	Parasite Metazoan	
Kidney		Nephropathy	Chronic, Marked
Liver		Basophilic Focus	Multiple
		Granuloma	Multifocal, Minimal
		Vacuolization Cytoplasmic	Multifocal, Minimal
Note: VACUOLIZ CYTO TGLs = 3-3			
Pituitary Gland	Pars Distalis	Adenoma	Two
[Adenoma TGLS = 4-1]			
Preputial Gland		Carcinoma	
		Inflammation	Granulomatous, Mild
Note: CARCINOMA TGLs = 1-14			
Skin		Basal Cell Adenoma	
Note: BASAL CEL ADEN TGLs = 2-15			
Testes		Mesothelioma Malignant	

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 4	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 708
	DOSE: 5 PPM	**DISP:** Natural Death	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Intestine Large - Rectum

AUTO PRECLUDES DIAG.

Intestine Large - Colon	Intestine Small - Duodenum	Intestine Small - Ileum

OBSERVATIONS

Heart		Alveolar/Bronchiolar Carcinoma	Metastatic (Lung)
		Cardiomyopathy	Mild
	Atrium Rgt	Dilatation	Marked
Note: DILATATION TGLs = 3-2			
Kidney		Nephropathy	Chronic, Mild
Liver		Granuloma	Multifocal, Mild
	Bile Duct	Hyperplasia	Multifocal, Minimal
Lung		Alveolar/Bronchiolar Carcinoma	Multiple
	Alveolar Epith	Hyperplasia	Multifocal, Marked
	Bronchiole	Hyperplasia	Multifocal, Marked
		Squamous Cell Carcinoma	

Note: LEFT - UNDETERMINED NUMBER OF CARCINOMAS
Note: HYPERPLASIA TGLs = 1-4+5
Note: ALV BRON CARC TGLs = 1-5
Note: SQUAM CEL CARC TGLs = 2-5
Note: LEFT -"COLLISION" CARCINOMAS OR MULTIPLE DIFFERENTIATION
Note: ALV BRON CARC TGLs = 1-4
Note: RIGHT - 4 SITES OF A-B CARC.

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 4	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 708
	DOSE: 5 PPM	**DISP:** Natural Death	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

Lymph Node	Mesenteric	Hyperplasia	Reticulum Cell, Moderate
Nose	Respirat Epith	Hyperplasia	Minimal
	Mucosa	Inflammation	Chronic Active, Minimal
Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
Testes	Bilateral, Interstit Cell	Adenoma	
Note: ADENOMA TGLs = 4-10			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 4	**TRT#:** 6	**SEX:** Male	**DAY ON TEST:** 556
	DOSE: 2 PPM	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

AUTO PRECLUDES DIAG.

Intestine Small - Jejunum

OBSERVATIONS

Bone Marrow		Leukemia Mononuclear	
Liver	Bile Duct	Hyperplasia	Multifocal, Moderate
		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 2-6			
Lung		Alveolar/Bronchiolar Carcinoma	
		Leukemia Mononuclear	
Note: ALV BRON CARC TGLs = 6-5			
Lymph Node	Mandibular	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
Mammary Gland		Hyperplasia	Diffuse, Mild
Nose	Nasolacrim Dct	Inflammation	Chronic, Mild
Pancreas	Acinus	Atrophy	Multifocal, Mild
Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
Preputial Gland		Carcinoma	
Note: CARCINOMA TGLs = 4-9+15			
Spleen		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 1-14			
Testes	Interstit Cell	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 4	**TRT#:** 6	**SEX:** Male	**DAY ON TEST:** 556
	DOSE: 2 PPM	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH	-

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 5	**TRT#:** 4	**SEX:** Male	**DAY ON TEST:** 294
	DOSE: CONTROL	**DISP:** Natural Death	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Epididymis	Kidney	Lung	Lymph Node - Mesenteric
Pituitary Gland	Preputial Gland	Prostate	Salivary Glands
Skin	Testes	Thyroid Gland	Urinary Bladder
MISSING			
Esophagus	Larynx	Lymph Node - Mandibular	Mammary Gland
Parathyroid Gland	Seminal Vesicle		
AUTO PRECLUDES DIAG.			
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Nose
Pancreas	Stomach - Forestomach	Stomach - Glandular	Thymus
OBSERVATIONS			
Adrenal Gland	Cortex	Degeneration	Fatty, Diffuse, Mild
Heart		Cardiomyopathy	Mild
Liver		Congestion	Diffuse, Moderate
Spleen		Pigmentation	Hemosiderin, Moderate
Trachea		Inflammation	Chronic, Moderate
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 5	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 657
	DOSE: 5 PPM	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Multifocal, Mild
	Medulla	Hyperplasia	Focal, Mild
Bone Marrow		Hyperplasia	Mild
Heart		Cardiomyopathy	Mild
	Ventricl Lft	Hypertrophy	Focal, Moderate
	Epicardium	Inflammation	Chronic, Focal, Moderate
Kidney		Nephropathy	Chronic, Moderate
Liver	Bile Duct	Hyperplasia	Multifocal, Minimal
Lung	Mediastinum	Cyst	Marked
	Alveolar Epith	Hyperplasia	Multifocal, Marked
	Bronchiole	Hyperplasia	Multifocal, Marked
		Squamous Cell Carcinoma	
Note: SQUAMOUS CELL CARC. REPLACES MOST OF LEFT LOBE			
Note: SQUAM CEL CARC TGLs = 7-5			
Lymph Node	Mesenteric	Hemorrhage	Acute, Moderate
	Pancreatic	Hemorrhage	Acute, Mild
	Mandibular	Inflammation	Chronic Active, Moderate
Note: HEMORRHAGE TGLs = 5-6			
Mesentery		Inflammation	Subacute, Mild
Nose		Foreign Body	Mild
	Respirat Epith	Hyperplasia	Minimal
	Mucosa	Inflammation	Suppurative, Chronic Active, Marked

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 5	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 657
	DOSE: 5 PPM	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

	Respirat Epith	Metaplasia	Squamous, Moderate
Preputial Gland		Ectasia	Moderate
		Inflammation	Granulomatous, Mild
Spleen		Hematopoietic Cell Proliferation	Mild
Testes	Bilateral, Interstit Cell	Adenoma	
Note: ADENOMA TGLs = 8-10+11			
Thyroid Gland	C Cell	Hyperplasia	Focal, Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 5	**TRT#:** 6	**SEX:** Male	**DAY ON TEST:** 486
	DOSE: 2 PPM	**DISP:** Moribund 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
Mammary Gland	Nose	Pancreas	Prostate
Salivary Glands	Skin	Stomach - Forestomach	Stomach - Glandular
Testes	Thyroid Gland	Trachea	Urinary Bladder

MISSING

Lymph Node - Mandibular	Parathyroid Gland	Seminal Vesicle	Thymus

OBSERVATIONS

Bone		Hyperostosis	Focal, Moderate
Bone Marrow		Hyperplasia	Moderate
Heart		Cardiomyopathy	Marked
Kidney	Artery	Thrombosis	Mild
Larynx		Inflammation	Chronic, Minimal
Liver	Bile Duct	Hyperplasia	Multifocal, Moderate
		Leukemia Mononuclear	
		Necrosis	Acute, Multifocal, Mild
Note: NECROSIS TGLs = 2-3			
Lung		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
Mesentery		Accessory Spleen	
Note: ACCESSORY SPLN TGLs = 4-6			
Pituitary Gland	Pars Distalis	Hypertrophy	Focal, Minimal
		Leukemia Mononuclear	
Preputial Gland		Inflammation	Granulomatous, Mild
Spleen		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 1-3			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 6	**TRT#:** 4	**SEX:** Male	**DAY ON TEST:** 644
	DOSE: CONTROL	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Multifocal, Mild
	Medulla	Pheochromocytoma Benign	
Bone Marrow		Leukemia Mononuclear	
Heart		Cardiomyopathy	Moderate
Kidney		Nephropathy	Chronic, Minimal
		Pigmentation	Diffuse, Mild
Note: PIGMENT TGLs = 7-8,			
Liver		Leukemia Mononuclear	
	Centrilobular	Necrosis	Diffuse, Moderate
Note: LEUKEMIA MONUC TGLs = 6+15,			
Lung		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 1+2-4+5,			
Lymph Node	Mandibular	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 5-6,			
Note: LEUKEMIA MONUC TGLs = 9-6,			
Nose	Nasolacrim Dct	Inflammation	Chronic, Minimal
Pancreas	Acinus	Atrophy	Multifocal, Moderate
Prostate		Hyperplasia	Multifocal, Minimal
		Inflammation	Chronic Active, Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 6	**TRT#:** 4	**SEX:** Male	**DAY ON TEST:** 644
	DOSE: CONTROL	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

Spleen		Leukemia Mononuclear
Note: LEUKEMIA MONUC TGLs = 4-14,		
PRIMARY CAUSE OF DEATH	-	

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 6	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 500
	DOSE: 5 PPM	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Ileum
Intestine Small - Jejunum	Kidney	Larynx	Lymph Node - Mandibular
Lymph Node - Mesenteric	Mammary Gland	Nose	Pituitary Gland
Preputial Gland	Prostate	Salivary Glands	Seminal Vesicle
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder
MISSING			
Parathyroid Gland			
OBSERVATIONS			
Intestine Small	Duodenum	Ectopic Tissue	
Note: PANCREATIC ACINI			
Islets, Pancreatic		Carcinoma	
Liver		Basophilic Focus	Multiple
	Bile Duct	Hyperplasia	Multifocal, Minimal
Lung		Alveolar/Bronchiolar Adenoma	
		Alveolar/Bronchiolar Carcinoma	Multiple
		Hemorrhage	Acute, Multifocal, Mild
	Alveolar Epith	Hyperplasia	Multifocal, Marked
	Bronchiole	Hyperplasia	Multifocal, Marked
Note: 4 SITES OF AB CARC IN LEFT			
Pancreas	Acinus	Atrophy	Multifocal, Minimal
Testes	Bilateral, Interstit Cell	Adenoma	
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 6	**TRT#:** 6	**SEX:** Male	**DAY ON TEST:** 727
	DOSE: 2 PPM	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Bone Marrow		Leukemia Mononuclear	
Brain		Compression	
		Hydrocephalus	Minimal
Heart		Cardiomyopathy	Marked
Kidney		Nephropathy	Chronic, Moderate
Liver	Centrilobular	Congestion	Marked
		Granuloma	Multifocal, Mild
		Leukemia Mononuclear	
		Necrosis	Acute, Multifocal, Minimal
Note: LEUKEMIA MONUC TGLs = 3-1			
Lung		Alveolar/Bronchiolar Carcinoma	
	Alveolar Epith	Hyperplasia	Multifocal, Mild
		Leukemia Mononuclear	
Note: HYPERPLASIA TGLs = 2-4			
Note: LEFT LOBE IS IN SLIDE #4			
Lymph Node	Mandibular	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
Mammary Gland		Ectasia	Multifocal, Moderate
Note: ECTASIA TGLs = 1-8			
Pituitary Gland	Pars Distalis	Adenoma	Two
Note: ADENOMA TGLs = 5-1			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 6	**TRT#:** 6	**SEX:** Male	**DAY ON TEST:** 727
	DOSE: 2 PPM	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

Preputial Gland		Foreign Body	Minimal
		Inflammation	Granulomatous, Minimal
Spleen		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 4-1			
Testes	Interstit Cell	Adenoma	
Thyroid Gland	C Cell	Hyperplasia	Multifocal, Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 7	**TRT#:** 4	**SEX:** Male	**DAY ON TEST:** 724
	DOSE: CONTROL	**DISP:** Natural Death	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Larynx	Lung
Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland	Parathyroid Gland
Prostate	Salivary Glands	Seminal Vesicle	Skin
Spleen	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

AUTO PRECLUDES DIAG.

Intestine Large - Cecum	Intestine Small - Ileum	Intestine Small - Jejunum

OBSERVATIONS

Adrenal Gland	Capsule	Accessory Adrenal Cortical Nodule	
Heart		Cardiomyopathy	Mild
Islets, Pancreatic		Carcinoma	
Kidney		Nephropathy	Chronic, Marked
Liver		Angiectasis	Focal, Mild
	Bile Duct	Hyperplasia	Multifocal, Minimal
Nose	Mucosa	Thrombosis	Multifocal, Mild
Pancreas	Acinus	Atrophy	Multifocal, Mild
Pituitary Gland	Pars Distalis	Angiectasis	Marked
Note: ANGIECTASIS TGLs = 2-1			
Preputial Gland		Inflammation	Granulomatous, Mild
Stomach	Epithelium, Forestomach	Hyperplasia	Diffuse, Mild
	Forestomach	Inflammation	Chronic, Mild
Testes	Bilateral, Interstit Cell	Adenoma	
Note: ADENOMA TGLs = 1-10			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 7	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 674
	DOSE: 5 PPM	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Benign	
Heart		Cardiomyopathy	Mild
Intestine Large	Colon	Parasite Metazoan	
Islets, Pancreatic		Hyperplasia	Focal, Mild
Kidney		Nephropathy	Chronic, Marked
Liver	Portal	Fibrosis	Multifocal, Minimal
	Bile Duct	Hyperplasia	Multifocal, Minimal
Lung		Alveolar/Bronchiolar Carcinoma	Multiple
	Alveolar Epith	Hyperplasia	Multifocal, Moderate
	Bronchiole	Hyperplasia	Multifocal, Moderate
Note: 3 SITES OF A-B CARCINOMA IN LEFT			
Note: ALV BRON CARC TGLs = 1+3-4			
Note: ALV BRON CARC TGLs = 2+3-5			
Note: HYPERPLASIA TGLs = 3-4+5			
Note: 2 OF RIGHT A-B CARCINOMA ARE LARGE			
Note: 3 SITES OF A-B CARC. IN RIGHT			
Nose	Respirat Epith	Hyperplasia	Mild
	Mucosa	Inflammation	Chronic Active, Minimal
Pancreas	Acinus	Atrophy	Multifocal, Mild
Pituitary Gland	Pars Distalis	Adenoma	Two
[Adenoma TGLS = 4-1]			
Preputial Gland		Inflammation	Granulomatous, Moderate
Prostate		Hyperplasia	Focal, Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 7	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 674
	DOSE: 5 PPM	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

Testes	Interstit Cell	Hyperplasia	Moderate
Thymus		Alveolar/Bronchiolar Carcinoma	Metastatic (Lung)
Note: [ALV BRON CARC] TGLs = 5-9			
Thyroid Gland	C Cell	Adenoma	
	C Cell	Hyperplasia	Focal, Moderate
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 7	**TRT#:** 6	**SEX:** Male	**DAY ON TEST:** 687
	DOSE: 2 PPM	**DISP:** Natural Death	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Cortex	Degeneration	Fatty, Multifocal, Moderate
Bone Marrow		Hyperplasia	Moderate
Brain		Compression	
[Compression TGLS = 5-1]			
Heart		Cardiomyopathy	Mild
Kidney		Nephropathy	Chronic, Marked
Liver		Angiectasis	Multifocal, Moderate
	Bile Duct	Hyperplasia	Multifocal, Moderate
		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 3-3			
Lung	Alveolar Epith	Hyperplasia	Focal, Moderate
		Leukemia Mononuclear	
Lymph Node	Mediastinal	Hemorrhage	Acute, Moderate
Pituitary Gland	Pars Distalis	Adenoma	
Note: [ADENOMA] TGLs = 4-1			
Preputial Gland		Inflammation	Granulomatous, Mild
Spleen		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 2-3			
Testes	Interstit Cell	Adenoma	
		Mesothelioma Malignant	

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 7	**TRT#:** 6	**SEX:** Male	**DAY ON TEST:** 687
	DOSE: 2 PPM	**DISP:** Natural Death	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH	-

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 8	**TRT#:** 4	**SEX:** Male	**DAY ON TEST:** 646
	DOSE: CONTROL	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Nose

OBSERVATIONS

Adrenal Gland	Capsule	Accessory Adrenal Cortical Nodule	
	Cortex	Degeneration	Fatty, Focal, Moderate
Bone Marrow		Hyperplasia	Moderate
Brain		Compression	
Heart		Cardiomyopathy	Mild
		Leukemia Mononuclear	
Kidney		Nephropathy	Chronic, Marked
Note: NEPHROPATHY TGLs = 4-7			
Liver		Fatty Change	Diffuse, Marked
	Bile Duct	Hyperplasia	Multifocal, Marked
		Leukemia Mononuclear	
		Necrosis	Acute, Multifocal, Minimal
Note: LEUKEMIA MONUC TGLs = 3-3			
Lung		Leukemia Mononuclear	
Lymph Node	Pancreatic	Edema	Moderate
Note: EDEMA TGLs = 2-6			
Nose			
Note: SLIDE, BLOCKS, AND TISSUE MISSING.			
Pituitary Gland	Pars Distalis	Adenoma	Two
Note: ADENOMA TGLs = 5-1			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 8	**TRT#:** 4	**SEX:** Male	**DAY ON TEST:** 646
	DOSE: CONTROL	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

Preputial Gland		Inflammation	Granulomatous, Mild
Spleen		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 1-3			
Testes	Interstit Cell	Adenoma	
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 8	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 547
	DOSE: 5 PPM	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Epididymis	Esophagus	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Larynx	Pancreas
Parathyroid Gland	Prostate	Seminal Vesicle	Skin
Spleen	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

MISSING

Lymph Node - Mandibular

OBSERVATIONS

Adrenal Gland	Cortex	Degeneration	Fatty, Diffuse, Mild
Kidney		Nephropathy	Chronic, Mild
Liver		Congestion	Diffuse, Mild
Lung	Alveolar Epith	Hyperplasia	Multifocal, Marked
	Bronchiole	Hyperplasia	Multifocal, Marked
		Sarcoma	
		Squamous Cell Carcinoma	
Note: NEOPLASMS NOT SPECIFIED AS TO LOBE			
Note: SARCOMA TGLs = 5-14			
Note: SQUAM CEL CARC TGLs = 5-14			
Lymph Node	Mediastinal	Hemorrhage	Acute, Moderate
	Mesenteric	Hemorrhage	Acute, Mild
Note: HEMORRHAGE TGLs = 3-6			
Mammary Gland		Hyperplasia	Diffuse, Mild
Nose	Respirat Epith	Hyperplasia	Minimal
	Mucosa	Inflammation	Suppurative, Chronic Active, Mild
Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 4-1]			
Preputial Gland		Inflammation	Granulomatous, Moderate
Stomach	Epithelium, Forestomach	Hyperplasia	Focal, Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 8	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 547
	DOSE: 5 PPM	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

Testes	Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Minimal
Note: ADENOMA TGLs = 2-10			
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 8	**TRT#:** 6	**SEX:** Male	**DAY ON TEST:** 727
	DOSE: 2 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	Islets, Pancreatic	Larynx
Lymph Node - Mandibular	Mammary Gland	Pancreas	Prostate
Salivary Glands	Seminal Vesicle	Skin	Stomach - Forestomach
Thymus	Trachea	Urinary Bladder	

MISSING

Intestine Small - Jejunum

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Multifocal, Moderate
	Medulla	Pheochromocytoma Benign	
Blood Vessel	Artery	Arteriosclerosis	Multifocal, Moderate
Note: ARTERIES OF EPIDIDYMUS			
Bone		Fibrous Osteodystrophy	Minimal
Heart		Cardiomyopathy	Marked
Note: CARDIOMYOPATHY TGLs = 10-2			
Kidney	Cortex	Cyst	Multiple, Moderate
		Nephropathy	Chronic, Marked
Note: NEPHROPATHY TGLs = 3-7+14			
Liver	Bile Duct	Hyperplasia	Multifocal, Moderate
		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 2-3			
Lung		Alveolar/Bronchiolar Adenoma	
		Alveolar/Bronchiolar Carcinoma	Multiple
		Hemorrhage	Acute, Multifocal, Marked
	Alveolar Epith	Hyperplasia	Multifocal, Marked
		Leukemia Mononuclear	
	Interstitium	Mineralization	Multifocal, Moderate
Note: ALV BRON CARC TGLs = 7+8-4			
Note: HYPERPLASIA TGLs = 9-4+5			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 8	**TRT#:** 6	**SEX:** Male	**DAY ON TEST:** 727
	DOSE: 2 PPM	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

[Mineralization TGLS = 9-4+5]			
Lymph Node	Mediastinal	Hemorrhage	Acute, Mild
	Mesenteric	Hemorrhage	Acute, Marked
	Mediastinal	Leukemia Mononuclear	
Note: HEMORRHAGE TGLs = 11-6			
Nose		Foreign Body	Mild
	Respirat Epith	Hyperplasia	Minimal
	Mucosa	Inflammation	Chronic Active, Minimal
Note: FIBROUS OSTEODYSTROPHY ALSO IN BONES OF SKULL			
Parathyroid Gland		Hyperplasia	Diffuse, Marked
Note: HYPERPLASIA TGLs = 6-2			
Pituitary Gland	Pars Distalis	Adenoma	
Preputial Gland		Inflammation	Granulomatous, Mild
Spleen		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 1-3			
Stomach	Glandular, Mucosa	Mineralization	Moderate
Testes	Bilateral, Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Moderate
Note: ATROPHY TGLs = 12-10+11			
Thyroid Gland	C Cell	Carcinoma	
Note: CARCINOMA TGLs = 5-2			
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 9	**TRT#:** 4	**SEX:** Male	**DAY ON TEST:** 707
	DOSE: CONTROL	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Epididymis	Esophagus	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Larynx	Liver	Lung
Nose	Pancreas	Preputial Gland	Prostate
Salivary Glands	Seminal Vesicle	Stomach - Glandular	Testes
Thyroid Gland	Trachea	Urinary Bladder	
MISSING			
Lymph Node - Mesenteric	Parathyroid Gland	Thymus	
OBSERVATIONS			
Adrenal Gland	Cortex	Degeneration	Fatty, Multifocal, Mild
Heart		Cardiomyopathy	Moderate
Kidney		Nephropathy	Chronic, Moderate
Lymph Node	Mediastinal	Hemorrhage	Acute, Marked
	Mandibular	Hyperplasia	Plasma Cell, Mild
Note: HYPERPLASIA TGLs = 2-6			
Mammary Gland		Ectasia	Diffuse, Mild
Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 5-1]			
Skin	Subcut Tiss	Fibroma	
Note: FIBROMA TGLs = 1-14			
Spleen		Pigmentation	Hemosiderin, Mild
Stomach	Forestomach	Inflammation	Acute, Focal, Moderate
Tongue		Squamous Cell Carcinoma	
Note: SQUAM CEL CARC TGLs = 6-15			
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 9	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 590
	DOSE: 5 PPM	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Prostate	Thymus

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Multifocal, Minimal
Epididymis		Mesothelioma Malignant	
Heart		Cardiomyopathy	Minimal
		Inflammation	Chronic Active, Focal, Mild
Intestine Large	Colon	Parasite Metazoan	
Kidney		Nephropathy	Chronic, Moderate
Liver		Basophilic Focus	Two
Lung		Alveolar/Bronchiolar Carcinoma	
	Alveolar Epith	Hyperplasia	Multifocal, Marked
	Bronchiole	Hyperplasia	Multifocal, Marked
		Squamous Cell Carcinoma	Two
Note: ALV BRON CARC TGLs = 1-4			
Note: HYPERPLASIA TGLs = 1-4+5			
Note: SQUAM CEL CARC TGLs = 2-5			
Note: SQUAM CEL CARC TGLs = 1-4			
Nose	Respirat Epith	Hyperplasia	Minimal
	Mucosa	Inflammation	Suppurative, Chronic Active, Moderate
Pituitary Gland	Pars Distalis	Hyperplasia	Multifocal, Mild
Testes	Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Marked

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 9	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 590
	DOSE: 5 PPM	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

	Bilateral	Mesothelioma Malignant
Note: MESOTHELIO BGN TGLs = 3-10+11		
PRIMARY CAUSE OF DEATH	-	

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 9	**TRT#:** 6	**SEX:** Male	**DAY ON TEST:** 560
	DOSE: 2 PPM	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Bone Marrow		Hyperplasia	Mild
Epididymis	Bilateral	Mesothelioma Malignant	
Heart		Cardiomyopathy	Minimal
Intestine Large	Colon	Mesothelioma Malignant	
	Rectum	Mesothelioma Malignant	
Intestine Small	Duodenum	Mesothelioma Malignant	
Kidney	Capsule	Mesothelioma Malignant	
		Nephropathy	Chronic, Mild
Liver		Basophilic Focus	
		Fatty Change	Multifocal, Mild
	Serosa	Mesothelioma Malignant	
Note: FATTY CHANGE TGLs = 3-3			
Lung		Alveolar/Bronchiolar Carcinoma	
	Alveolar Epith	Hyperplasia	Multifocal, Mild
Lymph Node	Mediastinal	Mesothelioma Malignant	
Mesentery		Mesothelioma Malignant	
Note: MESOTHELIO MAL TGLs = 6-6+8+9+10			
Pancreas		Mesothelioma Malignant	
Note: MESOTHELIO MAL TGLs = 2-6			
Preputial Gland		Ectasia	Moderate
		Hyperplasia	Squamous, Moderate
Prostate		Hyperplasia	Multifocal, Minimal
Note: MALIGNANT MESOTHELIOMA ON SEROSA-NOT IN PCT			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 9	**TRT#:** 6	**SEX:** Male	**DAY ON TEST:** 560
	DOSE: 2 PPM	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

Seminal Vesicle	Bilateral	Mesothelioma Malignant	
Testes	Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Minimal
	Bilateral	Mesothelioma Malignant	
Note: ADENOMA TGLs = 5-10			
Urinary Bladder		Mesothelioma Malignant	
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 10	**TRT#:** 4	**SEX:** Male	**DAY ON TEST:** 727
	DOSE: CONTROL	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Thymus

OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Focal, Minimal
Heart		Cardiomyopathy	Mild
Kidney		Nephropathy	Chronic, Marked
Liver	Bile Duct	Hyperplasia	Multifocal, Mild
	Portal	Inflammation	Chronic, Multifocal, Minimal
		Leukemia Mononuclear	
Pituitary Gland	Pars Distalis	Adenoma	
Preputial Gland		Inflammation	Granulomatous, Mild
Prostate		Hyperplasia	Focal, Minimal
Spleen		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 1-3			
Testes	Bilateral, Interstit Cell	Adenoma	
Note: ADENOMA TGLs = 2-11			
Thyroid Gland	C Cell	Hyperplasia	Focal, Moderate

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 10	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 609
	DOSE: 5 PPM	**DISP:** Natural Death	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Parathyroid Gland

AUTO PRECLUDES DIAG.

Intestine Small - Jejunum

OBSERVATIONS

Adrenal Gland	Medulla	Alveolar/Bronchiolar Carcinoma	Metastatic (Lung)
Heart		Cardiomyopathy	Mild
Islets, Pancreatic		Hyperplasia	Focal, Marked
Kidney		Alveolar/Bronchiolar Carcinoma	Metastatic (Lung)
		Nephropathy	Chronic, Moderate
Liver		Basophilic Focus	Multiple
	Centrilobular	Congestion	Moderate
	Bile Duct	Hyperplasia	Multifocal, Minimal
		Necrosis	Acute, Multifocal, Mild
Lung		Alveolar/Bronchiolar Adenoma	
		Alveolar/Bronchiolar Carcinoma	Multiple
	Alveolar Epith	Hyperplasia	Multifocal, Marked
	Bronchiole	Hyperplasia	Multifocal, Marked
		Leukemia Mononuclear	

Note: LEFT - MORE THAN 5 SITES OF A-B CARCINOMA
Note: ALV BRON CARC TGLs = 1-14+11
Note: ALV BRON ADEN TGLs = 2-4
Note: HYPERPLASIA TGLs = 2-4+5+14

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 10	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 609
	DOSE: 5 PPM	**DISP:** Natural Death	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

Note: ALV BRON CARC TGLs = 2-5+14			
Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
Preputial Gland		Inflammation	Granulomatous, Moderate
Prostate		Hyperplasia	Focal, Minimal
Spleen		Leukemia Mononuclear	
Testes	Bilateral, Interstit Cell	Adenoma	
Note: ADENOMA TGLs = 3-11			
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 10	**TRT#:** 6	**SEX:** Male	**DAY ON TEST:** 727
	DOSE: 2 PPM	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Multifocal, Mild
	Medulla	Pheochromocytoma Benign	
Heart		Cardiomyopathy	Moderate
Kidney		Infiltration Cellular	Lymphocyte, Multifocal, Moderate
		Nephropathy	Chronic, Marked
Note: NEPHROPATHY TGLs = 4-7+7.1			
Note: INFILTRAT CELL TGLs = 4-7+7.1			
Liver	Bile Duct	Hyperplasia	Multifocal, Mild
Lung		Alveolar/Bronchiolar Adenoma	Multiple
		Alveolar/Bronchiolar Carcinoma	
	Alveolar Epith	Hyperplasia	Multifocal, Marked
	Bronchiole	Hyperplasia	Multifocal, Marked
Note: ALV BRON ADEN TGLs = 1-4			
Note: ALV BRON CARC TGLs = 3-4			
Note: HYPERPLASIA TGLs = 2-4			
Lymph Node	Mediastinal	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
Nose	Mucosa	Inflammation	Chronic Active, Mild
Pancreas	Acinus	Atrophy	Multifocal, Mild
Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Angiectasis	Moderate
Spleen		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 10	**TRT#:** 6	**SEX:** Male	**DAY ON TEST:** 727
	DOSE: 2 PPM	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

Testes	Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Mild
	Interstit Cell	Hyperplasia	Mild
Thyroid Gland	Follicle	Cyst	Multiple, Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 11	**TRT#:** 4	**SEX:** Male	**DAY ON TEST:** 649
	DOSE: CONTROL	**DISP:** Natural Death	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Bone Marrow	Brain	Epididymis
Esophagus	Intestine Large - Cecum	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Larynx	Lymph Node - Mandibular
Lymph Node - Mesenteric	Pituitary Gland	Preputial Gland	Salivary Glands
Seminal Vesicle	Skin	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder

MISSING

Adrenal Gland - Medulla	Mammary Gland	Parathyroid Gland

OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Focal, Mild
Heart		Cardiomyopathy	Minimal
Intestine Large	Colon	Parasite Metazoan	
Islets, Pancreatic		Carcinoma	
Kidney		Nephropathy	Chronic, Mild
Liver		Cytomegaly	Multifocal, Mild
	Bile Duct	Hyperplasia	Multifocal, Moderate
		Leukemia Mononuclear	
		Mitotic Alteration	Moderate
	Vein	Thrombosis	Mild
Lung		Inflammation	Acute, Multifocal, Marked
		Leukemia Mononuclear	
Lymph Node	Mediastinal	Hemorrhage	Acute, Mild
Nose	Respirat Epith	Hyperplasia	Mild
	Mucosa	Inflammation	Chronic Active, Mild
Pancreas	Acinus	Atrophy	Multifocal, Mild
Prostate		Hyperplasia	Multifocal, Mild
Spleen		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 1-3			
Testes	Bilateral, Interstit Cell	Adenoma	
Note: ADENOMA TGLs = 2-10			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 11	**TRT#:** 4	**SEX:** Male	**DAY ON TEST:** 649
	DOSE: CONTROL	**DISP:** Natural Death	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH	-

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 11	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 573
	DOSE: 5 PPM	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Brain	Esophagus
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Jejunum	Islets, Pancreatic	Larynx	Lymph Node - Mandibular
Parathyroid Gland	Salivary Glands	Seminal Vesicle	Skin
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea			

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Cortex	Degeneration	Fatty, Diffuse, Mild
	Cortex	Hyperplasia	Focal, Minimal
Bone Marrow		Leukemia Mononuclear	
Epididymis	Bilateral	Mesothelioma Malignant	
Note: MESOTHELIO MAL TGLs = 11+13+14-11			
Heart		Cardiomyopathy	Mild
	Atrium Lft	Thrombosis	Marked
[Thrombosis TGLS = 3-2]			
Intestine Small	Ileum, Mucosa	Atrophy	Diffuse, Moderate
Note: ATROPHY OF VILLI			
Kidney		Nephropathy	Chronic, Minimal
		Pigmentation	Multifocal, Mild
Liver	Centrilobular	Atrophy	Multifocal, Mild
	Bile Duct	Hyperplasia	Multifocal, Moderate
		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 15+16-3			
Lung		Alveolar/Bronchiolar Carcinoma	Multiple
	Alveolar Epith	Hyperplasia	Multifocal, Marked
	Bronchiole	Hyperplasia	Multifocal, Marked
		Leukemia Mononuclear	
Note: ALV BRON CARC TGLs = 4-5			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 11	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 573
	DOSE: 5 PPM	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

Note: 4 SITES OF A-B CARC. IN RIGHT			
Note: HYPERPLASIA TGLs = 4-4+5			
Note: ALV BRON CARC TGLs = 4+5-4			
Lymph Node	Mediastinal	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 8-6			
Note: LEUKEMIA MONUC TGLs = 2-9			
Nose	Respirat Epith	Hyperplasia	Mild
	Mucosa	Inflammation	Suppurative, Chronic Active, Mild
Pancreas	Acinus	Atrophy	Multifocal, Moderate
Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 18-1]			
Preputial Gland		Inflammation	Granulomatous, Mild
Prostate		Inflammation	Chronic Active, Moderate
Saliv Glands			
Note: GROSS "NODULES" ARE MILDLY PROMINENT LYMPH NODES			
Spleen		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 7-3			
Testes	Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Moderate
	Interstit Cell	Hyperplasia	Minimal
		Mesothelioma Malignant	
Note: MESOTHELIO MAL TGLs = 10-10			
Note: ATROPHY TGLs = 9+12-10+11			
Urinary Bladder		Mesothelioma Malignant	
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 11	**TRT#:** 6	**SEX:** Male	**DAY ON TEST:** 692
	DOSE: 2 PPM	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Adrenal Gland	Cortex	Degeneration	Fatty, Diffuse, Mild
	Medulla	Hyperplasia	Focal, Mild
Heart		Alveolar/Bronchiolar Carcinoma	Metastatic (Lung)
		Cardiomyopathy	Moderate
Kidney		Nephropathy	Chronic, Moderate
Liver		Alveolar/Bronchiolar Carcinoma	Metastatic (Lung), Multiple (Lung)
		Degeneration	Ballooning, Multifocal, Moderate
		Necrosis	Subacute, Multifocal, Mild
Note: ALV BRON CARC TGLs = 6+8-3+14			
Lung		Alveolar/Bronchiolar Carcinoma	Multiple
	Alveolar Epith	Hyperplasia	Multifocal, Moderate
	Bronchiole	Hyperplasia	Multifocal, Moderate
Note: LEFT - FIVE SITES OF A-B CARCINOMA			
Note: ALV BRON CARC TGLs = 1+2-4			
Note: ALV BRON CARC TGLs = 2-5			
Lymph Node	Mediastinal	Alveolar/Bronchiolar Carcinoma	Metastatic (Lung)
Note: ALV BRON CARC TGLs = 3-9			
Nose	Respirat Epith	Hyperplasia	Minimal
	Nasolacrim Dct	Inflammation	Chronic Active, Moderate
Preputial Gland		Inflammation	Granulomatous, Minimal
Skin		Cyst Dermoid	
		Keratoacanthoma	

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 11	**TRT#:** 6	**SEX:** Male	**DAY ON TEST:** 692
	DOSE: 2 PPM	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

Note: CYST DERMOID TGLs = 9-15			
Note: KERATOACANTHMA TGLs = 9-15			
Stomach	Forestomach	Erosion	Mild
	Epithelium, Forestomach	Hyperplasia	Focal, Moderate
	Forestomach	Inflammation	Chronic Active, Mild
Testes	Bilateral, Interstit Cell	Adenoma	
Note: ADENOMA TGLs = 5-10+10.1+11			
Thymus		Atrophy	Marked
Thyroid Gland	C Cell	Hyperplasia	Multifocal, Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 12	**TRT#:** 4	**SEX:** Male	**DAY ON TEST:** 727
	DOSE: CONTROL	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Thymus

OBSERVATIONS

Adrenal Gland	Cortex	Degeneration	Fatty, Focal, Marked
	Medulla	Hyperplasia	Multifocal, Moderate
Bone Marrow		Leukemia Mononuclear	
Heart		Cardiomyopathy	Moderate
Intestine Large	Colon	Parasite Metazoan	
Intestine Small	Ileum	Infiltration Cellular	Eosinophil, Histiocyte, Marked
Kidney		Nephropathy	Chronic, Marked
Note: NEPHROPATHY TGLs = 8-7			
Liver	Centrilobular	Atrophy	Multifocal, Mild
	Bile Duct	Hyperplasia	Multifocal, Marked
		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 6-3			
[Leukemia Mononuclear TGLS = 6-3]			
Lung	Interstitium	Inflammation	Chronic, Multifocal, Marked
		Leukemia Mononuclear	
Note: INFLAMMATION TGLs = 7-4+5			
Note: LEUKEMIA MONUC TGLs = 7-4+5			
Lymph Node	Mandibular	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
Nose	Mucosa	Inflammation	Chronic Active, Minimal
Pituitary Gland	Pars Distalis	Adenoma	

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 12	**TRT#:** 4	**SEX:** Male	**DAY ON TEST:** 727
	DOSE: CONTROL	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 9-1]			
Preputial Gland		Inflammation	Granulomatous, Minimal
Spleen		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 5-3			
Testes	Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Mild
	Interstit Cell	Hyperplasia	Minimal
		Mineralization	Multifocal, Mild
Note: ADENOMA TGLs = 3+4-11			
Note: ATROPHY TGLs = 2-10			
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 12	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 728
	DOSE: 5 PPM	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Parathyroid Gland

OBSERVATIONS

Adrenal Gland	Cortex	Degeneration	Fatty, Multifocal, Mild
	Medulla	Hyperplasia	Multifocal, Mild
	Medulla	Pheochromocytoma Benign	Multiple
Heart		Cardiomyopathy	Moderate
Islets, Pancreatic		Adenoma	
Kidney		Nephropathy	Chronic, Moderate
Liver		Basophilic Focus	Two
	Bile Duct	Hyperplasia	Multifocal, Minimal
Lung		Alveolar/Bronchiolar Carcinoma	Multiple
	Alveolar Epith	Hyperplasia	Multifocal, Marked
	Bronchiole	Hyperplasia	Multifocal, Marked
Note: HYPERPLASIA TGLs = 2-4+5			
Note: ALV BRON CARC TGLs = 2-5			
Note: LEFT - 3 SITES OF AB CARCINOMA			
Note: ALV BRON CARC TGLs = 2-4			
Note: 4 SITES OF CARCINOMA IN RIGHT			
Note: RIGHT - 1 CARC. HAS PROMINENT SQUAMOUS COMPONENT			
Lymph Node	Mediastinal	Hemorrhage	Subacute, Moderate
	Mesenteric	Hemorrhage	Acute, Mild
Nose	Olfactory Epi	Atrophy	Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 12	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 728
	DOSE: 5 PPM	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

	Respirat Epith	Hyperplasia	Minimal
	Mucosa	Inflammation	Chronic Active, Minimal
Pancreas	Acinus	Atrophy	Multifocal, Moderate
Spleen		Hematopoietic Cell Proliferation	Mild
Testes	Bilateral, Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Moderate
Note: ADENOMA TGLs = 3-10+11			
Note: ATROPHY TGLs = 4-10			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 12	**TRT#:** 6	**SEX:** Male	**DAY ON TEST:** 728
	DOSE: 2 PPM	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Lymph Node - Mandibular

OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Multifocal, Mild
Bone Marrow		Hyperplasia	Mild
Heart		Cardiomyopathy	Mild
Kidney		Nephropathy	Chronic, Marked
Liver		Basophilic Focus	Two
	Bile Duct	Hyperplasia	Multifocal, Minimal
		Leukemia Mononuclear	
Lung		Alveolar/Bronchiolar Adenoma	
		Alveolar/Bronchiolar Carcinoma	Two
	Alveolar Epith	Hyperplasia	Multifocal, Marked
	Bronchiole	Hyperplasia	Multifocal, Marked
Note: ALV BRON CARC TGLs = 1-5			
Note: HYPERPLASIA TGLs = 1-5			
Nose	Mucosa	Inflammation	Chronic Active, Mild
Pancreas	Acinus	Atrophy	Multifocal, Mild
Pituitary Gland	Pars Distalis	Angiectasis	Mild
Preputial Gland		Inflammation	Granulomatous, Moderate
Spleen		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 2-3			
Testes	Interstit Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 12	**TRT#:** 6	**SEX:** Male	**DAY ON TEST:** 728
	DOSE: 2 PPM	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

	Seminif Tub	Atrophy	Marked
Note: ADENOMA TGLs = 4-10			
Note: ATROPHY TGLs = 5-11			
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 13	**TRT#:** 4	**SEX:** Male	**DAY ON TEST:** 686
	DOSE: CONTROL	**DISP:** Natural Death	**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 - Jejunum	Islets, Pancreatic	Larynx
Liver	Lung	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

Adrenal Gland - Medulla	Lymph Node - Mesenteric	Thymus

AUTO PRECLUDES DIAG.

Intestine Small - Ileum

OBSERVATIONS

Bone		Necrosis	Acute, Marked
Note: ADJACENT TO TOOTH			
Heart		Cardiomyopathy	Mild
Kidney		Nephropathy	Chronic, Marked
Lymph Node	Mandibular	Hyperplasia	Plasma Cell, Marked
Note: HYPERPLASIA TGLs = 1-6			
Testes	Seminif Tub	Atrophy	Mild
	Interstit Cell	Hyperplasia	Moderate
Note: ATROPHY TGLs = 3-11			
Tooth		Abscess	Marked
		Developmental Malformation	Marked
	Gingiva	Inflammation	Marked
Note: ULCERATION OF GINGIVAL EPITHELIUM			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 13	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 659
	DOSE: 5 PPM	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Brain	Epididymis	Esophagus
Intestine Large - Cecum	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Larynx	Pancreas	Parathyroid Gland
Pituitary Gland	Preputial Gland	Salivary Glands	Seminal Vesicle
Skin	Stomach - Forestomach	Stomach - Glandular	Thymus
Trachea	Urinary Bladder		

MISSING

Lymph Node - Mandibular

OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Focal, Minimal
	Cortex	Leukemia Mononuclear	
	Medulla	Leukemia Mononuclear	
	Medulla	Pheochromocytoma Benign	
Bone Marrow		Leukemia Mononuclear	
Heart		Cardiomyopathy	Mild
		Leukemia Mononuclear	
Intestine Large	Colon	Parasite Metazoan	
Islets, Pancreatic		Carcinoma	
Kidney		Nephropathy	Chronic, Marked
Liver	Centrilobular	Atrophy	Multifocal, Mild
		Basophilic Focus	
		Degeneration	Ballooning, Focal, Mild
	Bile Duct	Hyperplasia	Multifocal, Moderate
		Leukemia Mononuclear	
		Necrosis	Acute, Multifocal, Minimal
Note: LEUKEMIA MONUC TGLs = 8-3			
Lung		Alveolar/Bronchiolar Carcinoma	Multiple
	Alveolar Epith	Hyperplasia	Multifocal, Marked
	Bronchiole	Hyperplasia	Multifocal, Marked
		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 13	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 659
	DOSE: 5 PPM	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

Note: ALV BRON CARC TGLs = 4-4			
Note: RIGHT - 5 SITES OF A-B CARCINOMA			
Note: ALV BRON CARC TGLs = 4-5			
Lymph Node	Mediastinal	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
Mammary Gland		Ectasia	Multifocal, Mild
Nose	Respirat Epith	Hyperplasia	Minimal
	Mucosa	Inflammation	Suppurative, Chronic Active, Moderate
	Respirat Epith	Metaplasia	Squamous, Mild
Prostate		Inflammation	Chronic, Mild
Spleen		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 7-3			
Testes	Bilateral, Interstit Cell	Adenoma	
Note: ADENOMA TGLs = 5+6-10+11			
Thyroid Gland	C Cell	Hyperplasia	Multifocal, Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 13	**TRT#:** 6	**SEX:** Male	**DAY ON TEST:** 688
	DOSE: 2 PPM	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone	Brain	Epididymis
Esophagus	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Parathyroid Gland
Salivary Glands	Seminal Vesicle	Skin	Stomach - Forestomach
Stomach - Glandular	Thyroid Gland	Trachea	

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Focal, Mild
Bone Marrow		Leukemia Mononuclear	
Coagulating Gland		Abscess	Chronic, Multiple, Moderate
		Hyperplasia	Moderate
Heart		Cardiomyopathy	Mild
Islets, Pancreatic		Carcinoma	
Note: CARCINOMA TGLs = 3-6.1			
Kidney		Nephropathy	Chronic, Marked
Larynx		Inflammation	Chronic Active, Minimal
Liver	Centrilobular	Atrophy	Multifocal, Moderate
		Hemorrhage	Acute, Multifocal, Mild
	Bile Duct	Hyperplasia	Multifocal, Marked
		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 4-3			
Lung	Alveolar Epith	Hyperplasia	Multifocal, Mild
		Leukemia Mononuclear	
Note: HYPERPLASIA TGLs = 1-4			
Lymph Node	Mandibular	Hyperplasia	Plasma Cell, Mild
	Mediastinal	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
Mammary Gland		Ectasia	Multifocal, Mild
Nose		Foreign Body	Mild
	Respirat Epith	Hyperplasia	Moderate
	Mucosa	Inflammation	Chronic Active, Moderate

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 13	**TRT#:** 6	**SEX:** Male	**DAY ON TEST:** 688
	DOSE: 2 PPM	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

Pancreas	Acinus	Atrophy	Multifocal, Moderate
Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 5-1]			
Preputial Gland		Inflammation	Granulomatous, Mild
Prostate		Abscess	Marked
Spleen		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 2-3			
Testes	Seminif Tub	Atrophy	Minimal
	Interstit Cell	Hyperplasia	Mild
		Mineralization	Multifocal, Minimal
Thymus		Hemorrhage	Acute, Minimal
Urinary Bladder		Inflammation	Chronic Active, Moderate

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 14	**TRT#:** 4	**SEX:** Male	**DAY ON TEST:** 708
	DOSE: CONTROL	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Bone Marrow	Epididymis	Esophagus
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Larynx
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose
Pancreas	Salivary Glands	Seminal Vesicle	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea		

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Cortex	Degeneration	Fatty, Multifocal, Moderate
	Medulla	Hyperplasia	Multifocal, Minimal
Brain		Compression	
Coagulating Gland		Inflammation	Chronic Active, Moderate
Heart		Cardiomyopathy	Moderate
Kidney	Pelvis, Transit Epithe	Hyperplasia	Moderate
	Pelvis	Inflammation	Acute, Diffuse, Moderate
		Nephropathy	Chronic, Marked
Note: NEPHROPATHY TGLs = 2-7			
Liver		Clear Cell Focus	Mild
		Fatty Change	Multifocal, Minimal
		Granuloma	Multifocal, Minimal
		Hepatocellular Carcinoma	
Note: HEPATOCLR CARC TGLs = 1-1			
Parathyroid Gland		Hyperplasia	Diffuse, Moderate
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA TGLs = 3-1			
Preputial Gland		Inflammation	Granulomatous, Mild
Testes	Interstit Cell	Adenoma	
	Artery	Inflammation	Chronic, Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 14	**TRT#:** 4	**SEX:** Male	**DAY ON TEST:** 708
	DOSE: CONTROL	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

Urinary Bladder	Transit Epithe	Hyperplasia	Multifocal, Marked
		Inflammation	Chronic, Diffuse, Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 14	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 506
	DOSE: 5 PPM	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Brain	Epididymis	Esophagus
Eye	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Larynx	Liver	Lymph Node - Mandibular	Lymph Node - Mesenteric
Mammary Gland	Parathyroid Gland	Pituitary Gland	Salivary Glands
Seminal Vesicle	Spleen	Stomach - Forestomach	Stomach - Glandular
Thyroid Gland	Trachea	Urinary Bladder	

MISSING

Prostate	Thymus

OBSERVATIONS

Adrenal Gland	Cortex, Medulla	Alveolar/Bronchiolar Carcinoma	Metastatic (Lung)
Note: ALV BRON CARC TGLs = 3-7			
Note: ALV BRON CARC TGLs = 3-7			
Bone Marrow		Hyperplasia	Mild
Heart		Cardiomyopathy	Minimal
	Epicardium	Hyperplasia	Marked
	Mitral Valve	Inflammation	Chronic, Mild
Kidney		Nephropathy	Chronic, Minimal
Lung		Alveolar/Bronchiolar Carcinoma	Multiple
	Alveolar Epith	Hyperplasia	Multifocal, Mild
Note: ALV BRON CARC TGLs = 5-9			
Note: ALV BRON CARC TGLs = 6-4			
Note: MORE THAN 5 SITES, VARIED MORPHOLOGY			
Note: ALV BRON CARC TGLs = 7+8-5			
Nose	Respirat Epith	Hyperplasia	Minimal
	Mucosa	Inflammation	Suppurative, Chronic Active, Mild
Pancreas	Acinus	Adenoma	
	Acinus	Atrophy	Multifocal, Moderate
Preputial Gland		Inflammation	Granulomatous, Mild
Skin	Subcut Tiss	Fibroma	

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 14	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 506
	DOSE: 5 PPM	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

Note: FIBROMA TGLs = 4-15

Testes	Interstit Cell	Hyperplasia	Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 14	**TRT#:** 6	**SEX:** Male	**DAY ON TEST:** 675
	DOSE: 2 PPM	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Thymus

OBSERVATIONS

Adrenal Gland	Cortex	Degeneration	Fatty, Diffuse, Minimal
Bone Marrow		Leukemia Mononuclear	
		Myelofibrosis	Focal, Mild
Heart		Cardiomyopathy	Minimal
	Atrium Lft	Thrombosis	Marked
[Thrombosis TGLS = 12-2]			
Kidney		Nephropathy	Chronic, Moderate
		Pigmentation	Diffuse, Marked
Note: PIGMENT TGLs = 10-7			
Liver	Centrilobular	Atrophy	Multifocal, Moderate
	Centrilobular	Fatty Change	Diffuse, Marked
	Bile Duct	Hyperplasia	Multifocal, Moderate
		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 9-3			
[Fatty Change TGLS = 9-3]			
Lung		Alveolar/Bronchiolar Adenoma	
	Alveolar Epith	Hyperplasia	Focal, Marked
		Leukemia Mononuclear	
Note: HYPERPLASIA TGLs = 6-5			
Lymph Node	Mediastinal	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 14	**TRT#:** 6	**SEX:** Male	**DAY ON TEST:** 675
	DOSE: 2 PPM	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

	Pancreatic	Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 7-6			
Note: LEUKEMIA MONUC TGLs = 5-9			
Mammary Gland		Ectasia	Multifocal, Mild
Mesentery		Leukemia Mononuclear	
Nose	Respirat Epith	Hyperplasia	Minimal
	Mucosa	Inflammation	Suppurative, Chronic Active, Minimal
	Mucosa	Thrombosis	Multifocal, Mild
Pancreas		Leukemia Mononuclear	
Pituitary Gland	Pars Distalis	Adenoma	
		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 13-1+1.1			
Note: GROSS RED FOCUS NOT FOUND, PROBABLY ANGIECTASIS.			
[Adenoma TGLS = 13-1.1]			
Preputial Gland		Inflammation	Granulomatous, Moderate
Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 8-3]			
Stomach	Forestomach	Inflammation	Chronic Active, Mild
	Forestomach	Ulcer	Mild
Testes	Bilateral, Interstit Cell	Adenoma	
Note: ADENOMA TGLs = 11-10+11			
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 15	**TRT#:** 4	**SEX:** Male	**DAY ON TEST:** 723
	DOSE: CONTROL	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Focal, Minimal
Bone Marrow		Leukemia Mononuclear	
Heart		Cardiomyopathy	Mild
Kidney		Nephropathy	Chronic, Moderate
		Pigmentation	Diffuse, Mild
Note: PIGMENT TGLs = 9-7			
Liver		Cytomegaly	Multifocal, Minimal
	Bile Duct	Hyperplasia	Multifocal, Mild
		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 8-3			
Lung		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 2-4+5			
Lymph Node	Pancreatic	Hemorrhage	Acute, Moderate
	Mandibular	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 1-6.1			
Note: LEUKEMIA MONUC TGLs = 4-6+6.1			
Note: LEUKEMIA MONUC TGLs = 5-6+6.1			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 15	**TRT#:** 4	**SEX:** Male	**DAY ON TEST:** 723
	DOSE: CONTROL	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

Pancreas	Acinus	Atrophy	Multifocal, Minimal
Preputial Gland		Inflammation	Chronic Active, Mild
Prostate		Inflammation	Chronic Active, Mild
Spleen		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 3-3			
Testes	Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Mild
	Interstit Cell	Hyperplasia	Minimal
Note: ADENOMA TGLs = 6-10			
Note: ATROPHY TGLs = 7-11			
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 15	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 541
	DOSE: 5 PPM	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone	Bone Marrow	Brain
Epididymis	Esophagus	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Jejunum	Islets, Pancreatic
Lymph Node - Mandibular	Mammary Gland	Preputial Gland	Prostate
Seminal Vesicle	Skin	Stomach - Glandular	Thyroid Gland
Urinary Bladder			

MISSING

Parathyroid Gland

OBSERVATIONS

Adrenal Gland	Medulla	Neuroblastoma Benign	
Heart		Cardiomyopathy	Mild
Intestine Small	Ileum, Peyers Patch	Hyperplasia	Lymphoid, Mild
Note: HYPERPLASIA TGLs = 5-9			
Kidney		Nephropathy	Chronic, Moderate
Larynx		Inflammation	Chronic, Mild
Liver	Bile Duct	Hyperplasia	Multifocal, Mild
		Leukemia Mononuclear	
Lung		Alveolar/Bronchiolar Carcinoma	Two
	Alveolar Epith	Hyperplasia	Multifocal, Moderate
		Leukemia Mononuclear	
Note: ALV BRON CARC TGLs = 4-5			
Note: HYPERPLASIA TGLs = 4-4+5			
Lymph Node	Mediastinal	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
Nose	Nasolacrim Dct	Inflammation	Chronic, Minimal
Pancreas	Acinus	Atrophy	Multifocal, Mild
Note: TGL-3 NOT SEEN IN RECUT OR WETS			
Note: ATROPHY TGLs = 2-6+6.1			
Pituitary Gland		Necrosis	Subacute, Marked
[Necrosis TGLS = 8-1]			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 15	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 541
	DOSE: 5 PPM	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

Salivary Glands	Duct	Inflammation	Chronic Active, Multifocal, Mild
	Duct	Metaplasia	Squamous, Multifocal, Mild
Spleen		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 1-3			
Stomach	Forestomach	Inflammation	Chronic Active, Mild
Testes	Bilateral, Interstit Cell	Adenoma	
Thymus	Epithel Cell	Hyperplasia	Mild
Trachea		Inflammation	Chronic Active, Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 15	**TRT#:** 6	**SEX:** Male	**DAY ON TEST:** 619
	DOSE: 2 PPM	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Adrenal Gland - Medulla

OBSERVATIONS

Adrenal Gland	Cortex	Degeneration	Fatty, Focal, Minimal
Brain		Compression	
Heart		Cardiomyopathy	Moderate
		Dilatation	Mild
Note: DILATATION TGLs = 2-2			
Kidney		Nephropathy	Chronic, Moderate
Liver		Vacuolization Cytoplasmic	Diffuse, Mild
Note: VACUOLIZ CYTO TGLs = 3-3			
Note: SOME VACUOLES CONTAIN PINK GLOBULES			
Lung	Bronchus	Hyperplasia	Focal, Marked
	Interstitium	Inflammation	Chronic Active, Diffuse, Moderate
		Pigmentation	Hemosiderin, Multifocal, Mild
Note: HYPERPLASIA SHARPLY DEMARCATED, POSSIBLE ADENOMA			
Note: PIGMENT IN MACROPHAGES IN ALVEOLI & INTERSTITIUM			
Note: COMPATIBLE WITH"HEART FAILURE LUNG"			
Lymph Node	Mandibular	Hemorrhage	Acute, Minimal
	Mediastinal	Hemorrhage	Acute, Moderate
Mammary Gland		Ectasia	Multifocal, Mild
Pituitary Gland	Pars Distalis	Adenoma	

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 15	**TRT#:** 6	**SEX:** Male	**DAY ON TEST:** 619
	DOSE: 2 PPM	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

Note: ADENOMA TGLs = 5-1

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 16	**TRT#:** 4	**SEX:** Male	**DAY ON TEST:** 727
	DOSE: CONTROL	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone	Bone Marrow	Brain
Esophagus	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small	Islets, Pancreatic	Larynx	Mammary Gland
Pancreas	Parathyroid Gland	Prostate	Salivary Glands
Seminal Vesicle	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Thyroid Gland	Trachea	Urinary Bladder

MISSING

Lymph Node - Mesenteric	Thymus

OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Benign	
Epididymis	Bilateral	Mesothelioma Malignant	
Heart		Cardiomyopathy	Mild
	Ventricl Lft	Dilatation	Moderate
	Atrium Lft	Thrombosis	Marked
[Cardiomyopathy TGLS = 1-2]			
[Thrombosis TGLS = 2-2]			
Kidney	Cortex, Renal Tubule	Hyperplasia	Atypical, Focal, Mild
		Nephropathy	Chronic, Marked
Liver	Bile Duct	Hyperplasia	Multifocal, Mild
	Centrilobular	Necrosis	Multifocal, Marked
Note: NECROSIS TGLs = 3-3			
Lung		Leukemia Mononuclear	
Lymph Node	Mandibular	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
Nose	Mucosa	Thrombosis	Multifocal, Mild
Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 4-1]			
Preputial Gland		Inflammation	Granulomatous, Mild
Testes	Bilateral, Interstit Cell	Adenoma	
	Bilateral	Mesothelioma Malignant	

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 16	**TRT#:** 4	**SEX:** Male	**DAY ON TEST:** 727
	DOSE: CONTROL	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH	-

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 16	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 562
	DOSE: 5 PPM	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Thymus

OBSERVATIONS

Adrenal Gland	Cortex	Degeneration	Fatty, Multifocal, Minimal
Heart		Cardiomyopathy	Minimal
Kidney		Nephropathy	Chronic, Moderate
Liver		Basophilic Focus	Two
Lung		Alveolar/Bronchiolar Carcinoma	Multiple
	Alveolar Epith	Hyperplasia	Multifocal, Moderate
	Bronchiole	Hyperplasia	Multifocal, Moderate
Note: ALV BRON CARC TGLs = 2-5			
Note: ALV BRON CARC TGLs = 3-4			
Lymph Node	Mediastinal	Cyst	Multiple, Moderate
	Mediastinal	Hemorrhage	Subacute, Minimal
	Mesenteric	Hemorrhage	Acute, Minimal
Note: CYST TGLs = 1-9			
Nose	Respirat Epith	Hyperplasia	Minimal
	Mucosa	Inflammation	Suppurative, Chronic Active, Mild
	Respirat Epith	Metaplasia	Squamous, Minimal
Preputial Gland		Inflammation	Granulomatous, Mild
Prostate		Hyperplasia	Focal, Minimal
Skin	Subcut Tiss	Lipoma	
Note: LIPOMA TGLs = 4-14			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 16	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 562
	DOSE: 5 PPM	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

Testes	Interstit Cell	Hyperplasia	Mild
Zymbal's Gland		Adenoma	
		Inflammation	Chronic Active, Marked
Note: ADENOMA TGLs = 5-15			
Note: INFLAMMATION TGLs = 5-15			
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 16	**TRT#:** 6	**SEX:** Male	**DAY ON TEST:** 605
	DOSE: 2 PPM	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Epididymis
Esophagus	Heart	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Jejunum	Islets, Pancreatic	Larynx	Lymph Node - Mandibular
Lymph Node - Mesenteric	Mammary Gland	Parathyroid Gland	Preputial Gland
Prostate	Salivary Glands	Seminal Vesicle	Skin
Spleen	Stomach - Glandular	Testes	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

MISSING

Intestine Small - Ileum

OBSERVATIONS

Adrenal Gland	Cortex	Degeneration	Fatty, Focal, Mild
Bone			
Note: BONE IS RIB RATHER THAN FEMUR			
Brain		Compression	
		Hydrocephalus	Mild
Intestine Large	Cecum	Parasite Metazoan	
Intestine Small	Duodenum, Mucosa	Inflammation	Necrotizing, Acute, Mild
Kidney	Cortex	Cyst	Multiple
		Nephropathy	Chronic, Marked
Note: GROSS NODULE NOT DISCERNIBLE AT TRIM			
Note: CYST TGLs = 4-7			
Note: NEPHROPATHY TGLs = 2-7			
Liver		Eosinophilic Focus	
		Fatty Change	Diffuse, Mild
		Neoplastic Nodule	
Note: FATTY CHANGE TGLs = 1-3			
Lung		Alveolar/Bronchiolar Carcinoma	
	Alveolar Epith	Hyperplasia	Multifocal, Mild
Nose	Respirat Epith	Hyperplasia	Minimal
	Mucosa	Inflammation	Chronic Active, Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 16	**TRT#:** 6	**SEX:** Male	**DAY ON TEST:** 605
	DOSE: 2 PPM	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

Pancreas	Acinus	Atrophy	Multifocal, Minimal
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA TGLs = 5-1			
Stomach	Epithelium, Forestomach	Hyperplasia	Multifocal, Mild
	Glandular	Inflammation	Chronic Active, Mild
Note: 1991 CONVERSION DISCREPANCY. ORIGINAL DIAGNOSIS SITE NOT SPECIFIED			
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 17	**TRT#:** 4	**SEX:** Male	**DAY ON TEST:** 545
	DOSE: CONTROL	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone	Bone Marrow	Epididymis
Esophagus	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Parathyroid Gland	Prostate	Salivary Glands	Seminal Vesicle
Skin	Stomach - Forestomach	Stomach - Glandular	Testes
Thymus	Thyroid Gland	Trachea	Urinary Bladder

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Focal, Minimal
Brain		Hemorrhage	Multifocal, Marked
		Leukemia Mononuclear	
Heart		Cardiomyopathy	Minimal
		Leukemia Mononuclear	
Kidney		Nephropathy	Chronic, Moderate
Larynx		Inflammation	Chronic Active, Moderate
Liver	Bile Duct	Hyperplasia	Multifocal, Mild
		Leukemia Mononuclear	
Lung		Inflammation	Acute, Multifocal, Minimal
		Leukemia Mononuclear	
Lymph Node	Mandibular	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
Nose		Foreign Body	Moderate
	Mucosa	Inflammation	Chronic Active, Mild
Pancreas	Acinus	Atrophy	Multifocal, Minimal
Pituitary Gland	Pars Distalis	Angiectasis	Mild
	Pars Distalis	Hyperplasia	Focal, Moderate
		Leukemia Mononuclear	

Note: LEUKEMIA MONUC TGLs = 2-1
Note: ANGIECTASIS TGLs = 3-1

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 17	**TRT#:** 4	**SEX:** Male	**DAY ON TEST:** 545
	DOSE: CONTROL	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

Preputial Gland	Inflammation	Granulomatous, Mild
Spleen	Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 1-3		

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 17	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 685
	DOSE: 5 PPM	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Epididymis	Esophagus	Heart
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Larynx	Lymph Node - Mesenteric	Pancreas	Parathyroid Gland
Prostate	Salivary Glands	Seminal Vesicle	Skin
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

MISSING

Intestine Small - Jejunum	Lymph Node - Mandibular

AUTO PRECLUDES DIAG.

Intestine Large - Cecum

OBSERVATIONS

Adrenal Gland	Cortex	Degeneration	Fatty, Diffuse, Moderate
	Medulla	Hyperplasia	Multifocal, Moderate
	Medulla	Pheochromocytoma Benign	
Note: PHEOCHROM BGN TGLs = 5-7+7.1			
Bone Marrow		Hyperplasia	Moderate
Brain		Compression	
Islets, Pancreatic		Alveolar/Bronchiolar Carcinoma	Metastatic (Lung)
Kidney		Nephropathy	Chronic, Marked
Liver	Centrilobular	Atrophy	Multifocal, Mild
		Fatty Change	Multifocal, Minimal
	Bile Duct	Hyperplasia	Multifocal, Minimal
Note: ATROPHY TGLs = 4-3			
Lung		Alveolar/Bronchiolar Carcinoma	Multiple
	Alveolar Epith	Hyperplasia	Multifocal, Marked
	Bronchiole	Hyperplasia	Multifocal, Marked
		Necrosis	Acute, Multifocal, Marked
		Squamous Cell Carcinoma	
Note: HYPERPLASIA TGLs = 1-4+5			
Note: SQUAM CEL CARC TGLs = 1-4			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 17	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 685
	DOSE: 5 PPM	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

Note: ALV BRON CARC TGLs = 1-5			
Mammary Gland		Ectasia	Multifocal, Moderate
Nose	Respirat Epith	Hyperplasia	Mild
	Mucosa	Inflammation	Suppurative, Chronic Active, Moderate
	Respirat Epith	Metaplasia	Squamous, Mild
	Mucosa	Thrombosis	Multifocal, Mild
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA TGLs = 6-1			
Preputial Gland		Inflammation	Granulomatous, Mild
Spleen		Hematopoietic Cell Proliferation	Mild
Testes	Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Minimal
		Mineralization	Focal, Mild
Note: MINERALIZATION TGLs = 2-11			
Note: ADENOMA TGLs = 3-10			
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 17	**TRT#:** 6	**SEX:** Male	**DAY ON TEST:** 598
	DOSE: 2 PPM	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Lymph Node - Mesenteric	Mammary Gland	Thymus

OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Benign	
Bone Marrow		Hyperplasia	Mild
Brain		Compression	
Eye	Lens	Cataract	Marked
	Retina	Degeneration	Marked
Note: CATARACT TGLs = 1-14			
Heart		Cardiomyopathy	Moderate
Kidney		Nephropathy	Chronic, Minimal
Liver	Bile Duct	Hyperplasia	Multifocal, Minimal
Lung		Alveolar/Bronchiolar Adenoma	
	Alveolar Epith	Hyperplasia	Multifocal, Moderate
Lymph Node	Mediastinal	Hemorrhage	Acute, Mild
Mesentery	Fat	Necrosis	Focal, Marked
Note: NECROSIS TGLs = 4-6			
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA TGLs = 5-1			
Skin		Cyst Dermoid	
Note: CYST DERMOID TGLs = 2-15			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 18	**TRT#:** 4	**SEX:** Male	**DAY ON TEST:** 727
	DOSE: CONTROL	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Thymus

OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Focal, Mild
Bone Marrow		Hyperplasia	Moderate
Heart		Cardiomyopathy	Moderate
Intestine Large	Rectum	Parasite Metazoan	
Kidney		Nephropathy	Chronic, Marked
Liver		Degeneration	Ballooning, Focal, Mild
	Bile Duct	Hyperplasia	Multifocal, Marked
		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 3-3			
Lung		Leukemia Mononuclear	
Nose	Respirat Epith	Hyperplasia	Mild
	Mucosa	Inflammation	Chronic Active, Mild
	Olfactory Epi	Metaplasia	Mild
Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
Preputial Gland		Inflammation	Granulomatous, Minimal
Spleen		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 2-3			
Testes	Bilateral, Interstit Cell	Adenoma	
Note: ADENOMA TGLs = 4-10+11			
Tongue	Epithelium	Hyperplasia	Focal, Marked

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 18	**TRT#:** 4	**SEX:** Male	**DAY ON TEST:** 727
	DOSE: CONTROL	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

Note: [HYPERPLASIA] TGLs = 1-14

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 18	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 513
	DOSE: 5 PPM	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Heart
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Larynx	Parathyroid Gland
Prostate	Salivary Glands	Seminal Vesicle	Skin
Stomach - Glandular	Thyroid Gland	Trachea	Urinary Bladder

MISSING

Pituitary Gland

OBSERVATIONS

Intestine Large	Cecum	Edema	Moderate
Intestine Small	Jejunum	Congestion	Marked
	Jejunum	Polyp Adenomatous	
Note: POLYP ADENOMAT TGLs = 6-14			
Note: CONGESTION TGLs = 7-14			
Kidney		Nephropathy	Chronic, Mild
Liver	Portal	Fibrosis	Multifocal, Minimal
	Bile Duct	Hyperplasia	Multifocal, Mild
Lung		Alveolar/Bronchiolar Carcinoma	Multiple
	Alveolar Epith	Hyperplasia	Multifocal, Marked
	Bronchiole	Hyperplasia	Multifocal, Marked
Note: ALV BRON CARC TGLs = 3-4			
Note: ALV BRON CARC TGLs = 2-5			
Lymph Node	Mandibular	Alveolar/Bronchiolar Carcinoma	Metastatic (Lung)
	Mesenteric	Inflammation	Subacute, Moderate
Note: INFLAMMATION TGLs = 4-6			
Mammary Gland		Hyperplasia	Diffuse, Mild
Nose	Olfactory Epi	Atrophy	Minimal
Pancreas		Alveolar/Bronchiolar Carcinoma	Metastatic (Lung)
	Acinus	Atrophy	Multifocal, Moderate
Preputial Gland		Ectasia	Marked

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 18	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 513
	DOSE: 5 PPM	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

Spleen		Depletion Lymphoid	Mild
Stomach	Epithelium, Forestomach	Hyperplasia	Multifocal, Moderate
Testes	Interstit Cell	Hyperplasia	Mild
Thymus		Alveolar/Bronchiolar Carcinoma	Metastatic (Lung)
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 18	**TRT#:** 6	**SEX:** Male	**DAY ON TEST:** 728
	DOSE: 2 PPM	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Heart		Cardiomyopathy	Mild
Kidney		Nephropathy	Chronic, Marked
Liver		Basophilic Focus	Two
	Bile Duct	Hyperplasia	Multifocal, Minimal
Lung		Alveolar/Bronchiolar Carcinoma	
	Alveolar Epith	Hyperplasia	Multifocal, Marked
	Bronchiole	Hyperplasia	Multifocal, Marked
Note: ALV BRON CARC TGLs = 3-5			
Note: HYPERPLASIA TGLs = 4+5+6-4+5			
Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Marked
Preputial Gland		Inflammation	Granulomatous, Mild
Testes	Bilateral, Interstit Cell	Adenoma	
Note: ADENOMA TGLs = 1+2-10+11			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 19	**TRT#:** 4	**SEX:** Male	**DAY ON TEST:** 727
	DOSE: CONTROL	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Adrenal Gland	Cortex	Degeneration	Fatty, Focal, Minimal
	Medulla	Pheochromocytoma Benign	
Bone Marrow		Hyperplasia	Moderate
Heart		Cardiomyopathy	Moderate
Islets, Pancreatic		Hyperplasia	Focal, Moderate
Kidney		Nephropathy	Chronic, Marked
Larynx		Foreign Body	Minimal
		Inflammation	Chronic Active, Minimal
Liver	Bile Duct	Hyperplasia	Multifocal, Mild
		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 2-3			
Nose	Mucosa	Inflammation	Chronic, Minimal
Preputial Gland		Inflammation	Granulomatous, Mild
Skin	Subcut Tiss	Fibroma	
Note: FIBROMA TGLs = 1-14			
Spleen		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 3-3			
Testes	Bilateral, Interstit Cell	Adenoma	
Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 19	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 632
	DOSE: 5 PPM	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Epididymis	Esophagus	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Larynx	Liver
Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland	Pancreas
Parathyroid 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	Degeneration	Fatty, Diffuse, Minimal
Kidney		Cyst	Two, Moderate
		Nephropathy	Chronic, Mild
Note: MARKED EOSINOPHILIA OF CORTICAL TUBULES			
Lung		Alveolar/Bronchiolar Adenoma	
		Alveolar/Bronchiolar Carcinoma	Multiple
	Alveolar Epith	Hyperplasia	Multifocal, Marked
	Bronchiole	Hyperplasia	Multifocal, Marked
		Squamous Cell Carcinoma	
Note: SQUAM CEL CARC TGLs = 4-4			
Note: ALV BRON CARC TGLs = 4-4			
Note: ALV BRON ADEN TGLs = 4-4			
Note: ALV BRON CARC TGLs = 2-5+14+15			
Note: MORE THAN 5 SITES OF A-B CARC. IN LEFT			
Lymph Node	Mediastinal	Hemorrhage	Acute, Mild
Nose	Respirat Epith	Hyperplasia	Mild
	Mucosa	Inflammation	Suppurative, Chronic Active, Mild
Pituitary Gland	Pars Distalis	Cyst	Mild
Testes	Bilateral, Interstit Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 19	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 632
	DOSE: 5 PPM	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

Note: ADENOMA TGLs = 6-10

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 19	**TRT#:** 6	**SEX:** Male	**DAY ON TEST:** 633
	DOSE: 2 PPM	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Adrenal Gland	Cortex	Necrosis	Acute, Focal, Minimal
	Medulla	Pheochromocytoma Benign	
Bone Marrow		Leukemia Mononuclear	
Heart		Cardiomyopathy	Minimal
Islets, Pancreatic		Adenoma	
Kidney		Nephropathy	Chronic, Mild
		Pigmentation	Diffuse, Moderate
Liver		Leukemia Mononuclear	
	Centrilobular	Necrosis	Multifocal, Mild
Note: LEUKEMIA MONUC TGLs = 9-6+15,			
Lung		Alveolar/Bronchiolar Carcinoma	Two
	Alveolar Epith	Hyperplasia	Multifocal, Marked
	Bronchiole	Hyperplasia	Multifocal, Marked
		Leukemia Mononuclear	
Note: ALV BRON CARC TGLs = 1-4,			
Note: HYPERPLASIA TGLs = 1-4+5,			
Note: ALV BRON CARC TGLs = 1-5,			
Pancreas	Acinus	Atrophy	Focal, Minimal
Prostate		Inflammation	Suppurative, Chronic Active, Marked
Spleen		Fibrosis	Focal, Marked
		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 3-3,			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 19	**TRT#:** 6	**SEX:** Male	**DAY ON TEST:** 633
	DOSE: 2 PPM	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

Note: FIBROSIS TGLs = 4-3,		
Testes	Bilateral, Interstit Cell	Adenoma
Note: ADENOMA TGLs = 6-10+11,		
PRIMARY CAUSE OF DEATH	-	

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 20	**TRT#:** 4	**SEX:** Male	**DAY ON TEST:** 728
	DOSE: CONTROL	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Brain	Epididymis	Esophagus
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Larynx
Lymph Node - Mandibular	Lymph Node - Mesenteric	Pancreas	Salivary Glands
Seminal Vesicle	Skin	Spleen	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	

OBSERVATIONS

Adrenal Gland	Cortex	Degeneration	Multifocal, Mild
	Medulla	Hyperplasia	Focal, Minimal
Bone Marrow		Hyperplasia	Mild
Heart		Cardiomyopathy	Moderate
Note: CARDIOMYOPATHY TGLs = 3-2			
Kidney	Bilateral	Hydronephrosis	Mild
		Nephropathy	Chronic, Marked
Note: NEPHROPATHY TGLs = 4-7			
Liver	Bile Duct	Hyperplasia	Multifocal, Minimal
Lung	Interstitium	Inflammation	Chronic Active, Multifocal, Mild
Mammary Gland		Hyperplasia	Diffuse, Mild
Nose	Mucosa	Inflammation	Chronic Active, Moderate
Parathyroid Gland		Hyperplasia	Diffuse, Mild
Pituitary Gland	Pars Distalis	Adenoma	
Preputial Gland		Carcinoma	
Note: CARCINOMA TGLs = 5-15			
Prostate		Adenocarcinoma	
		Inflammation	Chronic Active, Marked
Note: ADENOCARC TGLs = 2-16			
Stomach	Forestomach	Inflammation	Chronic Active, Marked
	Forestomach	Ulcer	Marked
Note: ULCER TGLs = 6-8			
Testes	Bilateral, Interstit Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 20	**TRT#:** 4	**SEX:** Male	**DAY ON TEST:** 728
	DOSE: CONTROL	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

	Seminif Tub	Atrophy	Moderate
Note: ATROPHY TGLs = 8-10			
Note: ADENOMA TGLs = 9-11			
Ureter		Inflammation	Chronic, Mild
Note: INFLAMMATION TGLs = 7-14			
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 20	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 694
	DOSE: 5 PPM	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Cortex	Degeneration	Fatty, Multifocal, Mild
	Medulla	Hyperplasia	Multifocal, Marked
Heart		Cardiomyopathy	Mild
Kidney		Nephropathy	Chronic, Marked
Liver	Bile Duct	Hyperplasia	Multifocal, Minimal
Lung		Alveolar/Bronchiolar Carcinoma	Multiple
	Alveolar Epith	Hyperplasia	Multifocal, Marked
	Bronchiole	Hyperplasia	Multifocal, Marked

Note: ALV BRON CARC TGLs = 1-5
Note: HYPERPLASIA TGLs = 1-4+5
Note: MORE THAN 5 SITES OF CARC. IN LEFT & IN RIGHT.
Note: ALV BRON CARC TGLs = 1+2-4
Note: VARIED MORPHOLOGY INCLUDING SQUAMOUS

Nose		Foreign Body	Mild
	Respirat Epith	Hyperplasia	Moderate
	Mucosa	Inflammation	Suppurative, Chronic Active, Moderate
	Respirat Epith	Metaplasia	Squamous, Mild
Pancreas	Acinus	Atrophy	Multifocal, Mild
Pituitary Gland	Pars Distalis	Adenoma	

[Adenoma TGLS = 3-1]

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 20	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 694
	DOSE: 5 PPM	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

Preputial Gland		Atrophy	Moderate
Stomach	Forestomach	Hyperkeratosis	Multifocal, Mild
	Forestomach	Inflammation	Chronic Active, Mild
	Forestomach	Ulcer	Mild
Testes	Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 20	**TRT#:** 6	**SEX:** Male	**DAY ON TEST:** 708
	DOSE: 2 PPM	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Benign	
Bone Marrow		Hyperplasia	Mild
Heart		Cardiomyopathy	Marked
Kidney		Hydronephrosis	Mild
		Nephropathy	Chronic, Marked
Liver	Bile Duct	Hyperplasia	Multifocal, Moderate
		Leukemia Mononuclear	
		Necrosis	Acute, Multifocal, Marked
Lung		Alveolar/Bronchiolar Carcinoma	
	Alveolar Epith	Hyperplasia	Multifocal, Marked
		Leukemia Mononuclear	
Note: HYPERPLASIA TGLs = 3-4+5			
Note: ALV BRON CARC TGLs = 3-5			
Lymph Node	Mediastinal	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
Pituitary Gland	Pars Distalis	Cyst	Marked
[Cyst TGLS = 9-1]			
Skin	Subcut Tiss	Fibroma	
Note: FIBROMA TGLs = 2-14			
Spleen		Fibrosis	Focal, Moderate
		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 4-3			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 20	**TRT#:** 6	**SEX:** Male	**DAY ON TEST:** 708
	DOSE: 2 PPM	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

Testes	Bilateral, Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Mild
Note: ADENOMA TGLs = 5-10			
Note: ATROPHY TGLs = 6-11			
Thyroid Gland	C Cell	Hyperplasia	Multifocal, Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 21	**TRT#:** 4	**SEX:** Male	**DAY ON TEST:** 728
	DOSE: CONTROL	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Focal, Mild
Blood Vessel		Inflammation	Necrotizing, Chronic, Focal, Mild
Note: BLOOD VESSEL IN THRYOID			
Bone Marrow		Hyperplasia	Moderate
Epididymis		Ectasia	Moderate
		Fibrosis	Mild
Heart		Cardiomyopathy	Marked
Kidney		Nephropathy	Chronic, Marked
Larynx		Inflammation	Chronic, Mild
Liver	Centrilobular	Atrophy	Multifocal, Mild
		Degeneration	Ballooning, Focal, Moderate
	Bile Duct	Hyperplasia	Multifocal, Mild
		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 6-3			
Note: ATROPHY TGLs = 6-3			
Lung		Leukemia Mononuclear	
Nose	Nasolacrim Dct	Inflammation	Chronic, Mild
Pancreas	Acinus	Atrophy	Multifocal, Mild
Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
Preputial Gland		Inflammation	Granulomatous, Mild
Seminal Vesicle		Ectasia	Mild
Spleen		Fibrosis	Focal, Moderate
		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 21	**TRT#:** 4	**SEX:** Male	**DAY ON TEST:** 728
	DOSE: CONTROL	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

Note: LEUKEMIA MONUC TGLs = 4-3+14			
Note: FIBROSIS TGLs = 5-3			
Testes	Bilateral, Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Moderate
Note: ADENOMA TGLs = 2+3-10+11			
Note: ATROPHY TGLs = 1-10			
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 21	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 723
	DOSE: 5 PPM	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Lymph Node - Mesenteric

OBSERVATIONS

Adrenal Gland	Cortex	Degeneration	Fatty, Multifocal, Mild
	Medulla	Hyperplasia	Multifocal, Mild
Heart		Alveolar/Bronchiolar Carcinoma	Metastatic (Lung)
		Cardiomyopathy	Moderate
Intestine Large	Colon	Parasite Metazoan	
Kidney		Alveolar/Bronchiolar Carcinoma	Metastatic (Lung)
		Nephropathy	Chronic, Moderate
Liver		Basophilic Focus	Two
	Bile Duct	Hyperplasia	Multifocal, Minimal
Lung		Alveolar/Bronchiolar Carcinoma	Multiple
	Alveolar Epith	Hyperplasia	Multifocal, Moderate
	Bronchiole	Hyperplasia	Multifocal, Moderate
		Squamous Cell Carcinoma	Two

Note: RT. A-B CARC. MORE THAN 5 SITES COALESCING
Note: RT. SQUAMOUS CELL CARC. VERY LARGE
Note: ALV BRON CARC TGLs = 1-5
Note: SQUAM CEL CARC TGLs = 1-5
Note: LEFT-3 SITES OF A-B CARC.
Note: ALV BRON CARC TGLs = 2-4
Note: SQUAM CEL CARC TGLs = 2-4

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 21	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 723
	DOSE: 5 PPM	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

Lymph Node	Mandibular, Mediastinal	Alveolar/Bronchiolar Carcinoma	Metastatic (Lung)
	Pancreatic	Hyperplasia	Moderate
Nose	Respirat Epith	Hyperplasia	Minimal
	Mucosa	Inflammation	Chronic Active, Mild
	Respirat Epith	Metaplasia	Squamous, Mild
Pancreas	Acinus	Atrophy	Multifocal, Moderate
Spleen		Fibrosis	Focal, Moderate
Testes	Bilateral, Interstit Cell	Adenoma	
Note: ADENOMA TGLs = 3-10+11			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 21	**TRT#:** 6	**SEX:** Male	**DAY ON TEST:** 547
	DOSE: 2 PPM	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Heart	Atrium Lft	Thrombosis	Marked
[Thrombosis TGLS = 4-2]			
Kidney		Nephropathy	Chronic, Moderate
		Pigmentation	Diffuse, Moderate
Note: PIGMENT TGLs = 7-7			
Liver	Centrilobular	Fatty Change	Diffuse, Marked
	Bile Duct	Hyperplasia	Multifocal, Moderate
		Leukemia Mononuclear	
[Hyperplasia TGLS = 6-3]			
Lung		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 2-9			
Mammary Gland		Ectasia	Diffuse, Mild
Preputial Gland		Inflammation	Granulomatous, Mild
Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-3]			
Stomach	Epithelium, Forestomach	Hyperplasia	Focal, Moderate
	Forestomach	Inflammation	Chronic Active, Moderate
Testes	Bilateral, Interstit Cell	Adenoma	
Note: ADENOMA TGLs = 3-10+11			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 22	**TRT#:** 4	**SEX:** Male	**DAY ON TEST:** 618
	DOSE: CONTROL	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Adrenal Gland	Cortex	Degeneration	Fatty, Diffuse, Mild
	Medulla	Hyperplasia	Multifocal, Mild
Heart		Cardiomyopathy	Mild
	Atrium Lft	Thrombosis	Moderate
Kidney		Nephropathy	Chronic, Moderate
Larynx		Inflammation	Chronic Active, Mild
Liver	Centrilobular	Fatty Change	Diffuse, Marked
	Bile Duct	Hyperplasia	Multifocal, Mild
		Leukemia Mononuclear	
Note: FATTY CHANGE TGLs = 4-3			
Lung	Mediastinum	Leukemia Mononuclear	
		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	
Pancreas	Acinus	Atrophy	Multifocal, Moderate
Pituitary Gland	Pars Distalis	Adenoma	
Preputial Gland		Inflammation	Granulomatous, Mild
Skin		Hyperkeratosis	Mild
		Keratoacanthoma	
Note: KERATOACANTHMA TGLs = 3-14+14.1+14.2+14.3			
Note: HYPERKERATOSIS TGLs = 2-15.1			
Spleen		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 5-3			
Stomach	Epithelium, Forestomach	Hyperplasia	Diffuse, Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 22	**TRT#:** 4	**SEX:** Male	**DAY ON TEST:** 618
	DOSE: CONTROL	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

	Forestomach	Inflammation	Chronic Active, Moderate
	Forestomach	Ulcer	Moderate
Testes	Bilateral, Interstit Cell	Adenoma	
Thyroid Gland	C Cell	Adenoma	
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 22	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 546
	DOSE: 5 PPM	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Larynx
Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland	Nose
Parathyroid Gland	Pituitary Gland	Salivary Glands	Seminal Vesicle
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder		
OBSERVATIONS			
Kidney		Nephropathy	Chronic, Minimal
Liver		Leukemia Mononuclear	
Lung		Alveolar/Bronchiolar Adenoma	
		Alveolar/Bronchiolar Carcinoma	Multiple
	Alveolar Epith	Hyperplasia	Multifocal, Marked
	Bronchiole	Hyperplasia	Multifocal, Marked
Note: ALV BRON ADEN TGLs = 1-5			
Note: HYPERPLASIA TGLs = 1-4+5			
Note: LEFT - 3 SITES OF CARCINOMA			
Note: ALV BRON CARC TGLs = 1-5			
Pancreas	Acinus	Atrophy	Multifocal, Mild
Preputial Gland		Inflammation	Granulomatous, Mild
Prostate		Hyperplasia	Multifocal, Minimal
Skin	Subcut Tiss	Fibroma	
Note: FIBROMA TGLs = 4-14			
Spleen		Leukemia Mononuclear	
Testes	Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 22	**TRT#:** 6	**SEX:** Male	**DAY ON TEST:** 659
	DOSE: 2 PPM	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Adrenal Gland	Cortex, Medulla	Alveolar/Bronchiolar Carcinoma	Metastatic (Lung)
	Cortex	Degeneration	Fatty, Diffuse, Moderate
Note: ALV BRON CARC TGLs = 10-7			
Note: ALV BRON CARC TGLs = 10-7			
Note: ALV BRON CARC TGLs = 10-7			
Heart		Alveolar/Bronchiolar Carcinoma	Metastatic (Lung)
		Cardiomyopathy	Minimal
Note: [ALV BRON CARC] TGLs = 13-2			
Kidney	Bilateral	Alveolar/Bronchiolar Carcinoma	Metastatic (Lung)
		Nephropathy	Chronic, Marked
Note: ALV BRON CARC TGLs = 11-7			
Larynx		Inflammation	Chronic Active, Mild
Liver		Fatty Change	Multifocal, Minimal
Lung		Alveolar/Bronchiolar Carcinoma	
	Alveolar Epith	Hyperplasia	Multifocal, Moderate
Note: ALV BRON CARC TGLs = 4-4			
Lymph Node	Mediastinal	Hemorrhage	Acute, Marked
	Mesenteric	Hemorrhage	Acute, Moderate
Note: HEMORRHAGE TGLs = 8-6			
[Hemorrhage TGLS = 14-9]			
Nose		Foreign Body	Moderate
	Respirat Epith	Hyperplasia	Mild
	Mucosa	Inflammation	Suppurative, Chronic Active, Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 22	**TRT#:** 6	**SEX:** Male	**DAY ON TEST:** 659
	DOSE: 2 PPM	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

	Nasolacrim Dct	Inflammation	Chronic, Mild
Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 12-1]			
Preputial Gland		Inflammation	Granulomatous, Marked
Skin	Subcut Tiss	Fibroma	
Note: FIBROMA TGLs = 5-14			
Spleen		Hematopoietic Cell Proliferation	Mild
Stomach	Forestomach	Inflammation	Chronic Active, Mild
	Forestomach	Squamous Cell Papilloma	
Testes	Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Minimal
		Mineralization	Multifocal, Mild
Note: ADENOMA TGLs = 7-10			
Tissue NOS		Alveolar/Bronchiolar Carcinoma	Metastatic (Lung)
Note: TISSUE NOS=PARIETAL PLEURA			
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 23	**TRT#:** 4	**SEX:** Male	**DAY ON TEST:** 644
	DOSE: CONTROL	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Brain		Compression	
		Hydrocephalus	Mild
Heart		Cardiomyopathy	Mild
Kidney		Nephropathy	Chronic, Marked
Larynx		Inflammation	Chronic Active, Minimal
Liver		Basophilic Focus	Multiple
		Vacuolization Cytoplasmic	Multifocal, Minimal
Mammary Gland		Ectasia	Multifocal, Moderate
Note: ECTASIA TGLs = 6-3			
Nose	Respirat Epith	Hyperplasia	Minimal
Pancreas	Acinus	Atrophy	Multifocal, Mild
Pituitary Gland	Pars Distalis	Adenoma	
Note: [ADENOMA] TGLs = 5-1			
Preputial Gland		Inflammation	Chronic Active, Mild
Testes	Interstit Cell	Hyperplasia	Minimal
Thyroid Gland	Follicular Cel	Carcinoma	
Zymbal's Gland		Carcinoma	
Note: CARCINOMA TGLs = 4-14			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 23	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 547
	DOSE: 5 PPM	**DISP:** Natural Death	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland

AUTO PRECLUDES DIAG.

Bone Marrow Prostate

OBSERVATIONS

Adrenal Gland	Cortex	Congestion	Mild
Heart		Squamous Cell Carcinoma	Metastatic (Lung)
Kidney		Nephropathy	Chronic, Mild
		Squamous Cell Carcinoma	Metastatic (Lung)
Note: SQUAM CEL CARC TGLs = 5-7			
Liver		Necrosis	Acute, Multifocal, Mild
Note: NECROSIS TGLs = 4-3			
Lung		Alveolar/Bronchiolar Carcinoma	Multiple
	Alveolar Epith	Hyperplasia	Multifocal, Marked
	Bronchiole	Hyperplasia	Multifocal, Marked
		Squamous Cell Carcinoma	
Note: ALV BRON CARC TGLs = 3-5			
Note: HYPERPLASIA TGLs = 2+3-4+5			
Note: LEFT - 4 SITES OF CARCINOMA			
Note: SQUAM CEL CARC TGLs = 1-4			
Lymph Node	Mediastinal	Hyperplasia	Moderate
	Mesenteric	Hyperplasia	Lymphoid, Mild
Mesentery		Infiltration Cellular	Lymphocyte, Multifocal, Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 23	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 547
	DOSE: 5 PPM	**DISP:** Natural Death	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

Preputial Gland		Abscess	Moderate
		Inflammation	Granulomatous, Mild
Spleen		Congestion	Acute, Marked
Testes	Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Moderate
		Mineralization	Multifocal, Mild
Note: ATROPHY TGLs = 7-10			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 23	**TRT#:** 6	**SEX:** Male	**DAY ON TEST:** 541
	DOSE: 2 PPM	**DISP:** Natural Death	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
Bone	Bone Marrow	Brain	Epididymis
Esophagus	Intestine Large - Cecum	Intestine Small - Duodenum	Islets, Pancreatic
Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland	Parathyroid Gland
Pituitary Gland	Preputial Gland	Prostate	Salivary Glands
Seminal Vesicle	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Thyroid Gland	Trachea	Urinary Bladder
AUTO PRECLUDES DIAG.			
Eye	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Ileum
Intestine Small - Jejunum			
OBSERVATIONS			
Adrenal Gland	Cortex	Degeneration	Fatty, Diffuse, Minimal
	Medulla	Pheochromocytoma Benign	
Harderian Gland		Inflammation	Chronic, Mild
Heart		Cardiomyopathy	Mild
Kidney		Nephropathy	Chronic, Mild
Larynx		Inflammation	Chronic, Mild
Liver	Bile Duct	Hyperplasia	Multifocal, Minimal
Lung	Alveolar Epith	Hyperplasia	Multifocal, Moderate
Nose	Mucosa	Inflammation	Chronic Active, Minimal
Pancreas	Acinus	Atrophy	Multifocal, Moderate
Testes	Interstit Cell	Adenoma	
Thymus		Hemorrhage	Acute, Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 24	**TRT#:** 4	**SEX:** Male	**DAY ON TEST:** 723
	DOSE: CONTROL	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Bone Marrow	Brain	Epididymis
Esophagus	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Lung	Lymph Node - Mandibular	Pancreas	Seminal Vesicle
Skin	Stomach - Glandular	Trachea	Urinary Bladder

MISSING

Mammary Gland	Thymus

OBSERVATIONS

Adrenal Gland	Cortex	Degeneration	Fatty, Diffuse, Marked
	Medulla	Hyperplasia	Multifocal, Moderate
	Medulla	Pheochromocytoma Benign	
Heart		Cardiomyopathy	Moderate
Kidney		Nephropathy	Chronic, Marked
Note: NEPHROPATHY TGLs = 2-7			
Larynx		Inflammation	Chronic Active, Mild
Liver		Fatty Change	Diffuse, Marked
Lymph Node	Mesenteric	Hemorrhage	Acute, Mild
Nose		Foreign Body	Mild
	Respirat Epith	Hyperplasia	Marked
	Mucosa	Inflammation	Suppurative, Chronic Active, Moderate
	Nasolacrim Dct	Inflammation	Suppurative, Acute, Mild
	Olfactory Epi	Metaplasia	Moderate
Parathyroid Gland		Hyperplasia	Diffuse, Moderate
Pituitary Gland	Pars Distalis	Adenoma	
	Pars Intermed	Adenoma	
Note: [ADENOMA] TGLs = 3-1			
[Adenoma TGLS = 3-1]			
Preputial Gland		Inflammation	Granulomatous, Mild
Prostate		Inflammation	Chronic Active, Mild
Salivary Glands	Parotid Gl	Inflammation	Chronic Active, Diffuse, Marked

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 24	**TRT#:** 4	**SEX:** Male	**DAY ON TEST:** 723
	DOSE: CONTROL	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

Spleen		Depletion Lymphoid	Moderate
Stomach	Epithelium, Forestomach	Hyperplasia	Diffuse, Moderate
	Forestomach	Ulcer	Marked
Testes	Bilateral, Interstit Cell	Adenoma	
Note: ADENOMA TGLs = 1-10+11			
Thyroid Gland	C Cell	Hyperplasia	Focal, Moderate
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 24	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 548
	DOSE: 5 PPM	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Brain
Esophagus	Heart	Islets, Pancreatic	Larynx
Lymph Node - Mandibular	Parathyroid Gland	Prostate	Salivary Glands
Skin	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea		

MISSING

Lymph Node - Mesenteric

OBSERVATIONS

Adrenal Gland	Cortex	Mesothelioma Malignant	
Note: 1991 CONVERSION DISCREPANCY. ORIGINAL DIAGNOSIS SITE NOT FOUND.			
Bone Marrow		Hyperplasia	Moderate
Epididymis		Mesothelioma Malignant	
Intestine Large	Cecum	Mesothelioma Malignant	
	Colon	Mesothelioma Malignant	
	Rectum	Mesothelioma Malignant	
Intestine Small	Duodenum	Mesothelioma Malignant	
	Ileum	Mesothelioma Malignant	
	Jejunum	Mesothelioma Malignant	
Kidney	Capsule	Mesothelioma Malignant	
		Nephropathy	Chronic, Mild
		Pigmentation	Diffuse, Marked
Note: PIGMENT TGLs = 10-7			
Liver		Basophilic Focus	Multiple
		Mitotic Alteration	Mild
Lung	Alveolar Epith	Hyperplasia	Multifocal, Marked
	Bronchiole	Hyperplasia	Multifocal, Marked
		Squamous Cell Carcinoma	
Note: HYPERPLASIA TGLs = 6-4			
Note: SQUAM CEL CARC TGLs = 6-4			
Mammary Gland		Fibroadenoma	

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 24	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 548
	DOSE: 5 PPM	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

Note: FIBROADENOMA TGLs = 5-14			
Mesentery		Mesothelioma Malignant	
Note: MESOTHELIO MAL TGLs = 3-6			
Nose	Mucosa	Inflammation	Suppurative, Chronic Active, Mild
Pancreas		Mesothelioma Malignant	
Pituitary Gland	Pars Distalis	Adenoma	
Preputial Gland		Inflammation	Granulomatous, Mild
Prostate			
Note: MESOTHELIOMA ON SEROSA OF PROSTATE			
Seminal Vesicle		Mesothelioma Malignant	
Note: MESOTHELIO MAL TGLs = 11-11			
Spleen		Hematopoietic Cell Proliferation	Mild
		Mesothelioma Malignant	
Testes	Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Marked
	Bilateral	Mesothelioma Malignant	
Note: MESOTHELIO MAL TGLs = 4-10+11			
Note: ATROPHY TGLs = 7-10+11			
Note: ADENOMA TGLs = 8-10			
Urinary Bladder		Mesothelioma Malignant	
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 24	**TRT#:** 6	**SEX:** Male	**DAY ON TEST:** 633
	DOSE: 2 PPM	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Brain	Epididymis	Esophagus	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Larynx	Lymph Node - Mandibular
Preputial Gland	Salivary Glands	Seminal Vesicle	Skin
Thymus	Thyroid Gland	Trachea	Urinary Bladder

OBSERVATIONS

Adrenal Gland	Capsule	Accessory Adrenal Cortical Nodule	
	Cortex	Degeneration	Fatty, Diffuse, Mild
	Medulla	Hyperplasia	Focal, Mild
Bone		Fibrous Osteodystrophy	Mild
Bone Marrow		Hyperplasia	Moderate
Heart		Cardiomyopathy	Moderate
Kidney		Nephropathy	Chronic, Marked
Note: NEPHROPATHY TGLs = 8-7+14			
Liver		Angiectasis	Focal, Moderate
	Bile Duct	Hyperplasia	Multifocal, Mild
		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 14-6			
Lung		Alveolar/Bronchiolar Carcinoma	
	Alveolar Epith	Hyperplasia	Multifocal, Moderate
	Bronchiole	Hyperplasia	Multifocal, Moderate
Note: ALV BRON CARC TGLs = 3-5			
Note: HYPERPLASIA TGLs = 3-4+5			
Lymph Node	Mesenteric	Hemorrhage	Acute, Mild
Note: HEMORRHAGE TGLs = 4-6			
Mammary Gland		Ectasia	Multifocal, Marked
Nose	Respirat Epith	Hyperplasia	Minimal
Note: FIBROUS OSTEODYSTROPHY OF SKULL BONES			
Pancreas	Acinus	Atrophy	Multifocal, Mild
Parathyroid Gland		Hyperplasia	Diffuse, Moderate

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 24	**TRT#:** 6	**SEX:** Male	**DAY ON TEST:** 633
	DOSE: 2 PPM	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA TGLs = 13-1			
Prostate		Abscess	Marked
Note: ABSCESS TGLs = 9+10+12-8+15			
Spleen		Fibrosis	Focal, Marked
		Leukemia Mononuclear	
Note: FIBROSIS TGLs = 7-1			
Note: LEUKEMIA MONUC TGLs = 6-1			
Stomach	Epithelium, Forestomach	Hyperplasia	Focal, Moderate
	Forestomach	Inflammation	Chronic Active, Moderate
	Glandular, Mucosa	Mineralization	Moderate
Note: INFLAMMATION TGLs = 12-8			
Testes	Interstit Cell	Hyperplasia	Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 25	**TRT#:** 4	**SEX:** Male	**DAY ON TEST:** 618
	DOSE: CONTROL	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Brain	Esophagus
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Larynx	Mammary Gland
Parathyroid Gland	Prostate	Seminal Vesicle	Skin
Stomach - Glandular	Thymus	Thyroid Gland	Trachea

OBSERVATIONS

Adrenal Gland	Cortex	Adenoma	
	Cortex	Hypertrophy	Focal, Mild
Note: [ADENOMA] TGLs = 8-7			
Bone Marrow		Hyperplasia	Moderate
Epididymis		Mesothelioma Malignant	
Heart		Cardiomyopathy	Mild
Intestine Large	Cecum	Mesothelioma Malignant	
Kidney		Nephropathy	Chronic, Minimal
		Pigmentation	Multifocal, Moderate
Note: PIGMENT TGLs = 9-7			
Liver		Basophilic Focus	Multiple
		Leukemia Mononuclear	
Lung	Bronchiole	Hyperplasia	Mild
Lymph Node	Mandibular	Hemorrhage	Acute, Moderate
	Mesenteric	Hemorrhage	Acute, Mild
	Mandibular	Leukemia Mononuclear	
Note: HEMORRHAGE TGLs = 5-6			
Mesentery		Mesothelioma Malignant	
		Pigmentation	Marked
Note: MESOTHELIO MAL TGLs = 3+6-6+14			
Nose	Respirat Epith	Hyperplasia	Minimal
	Mucosa	Inflammation	Chronic, Mild
	Olfactory Epi	Metaplasia	Mild
Pancreas		Mesothelioma Malignant	

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 25	**TRT#:** 4	**SEX:** Male	**DAY ON TEST:** 618
	DOSE: CONTROL	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

		Pigmentation	Marked
Note: MESOTHELIO MAL TGLs = 3-6.1			
Pituitary Gland	Pars Distalis	Adenoma	
Preputial Gland		Inflammation	Granulomatous, Mild
Salivary Glands		Inflammation	Chronic, Focal, Mild
Spleen		Fibrosis	Focal, Mild
		Leukemia Mononuclear	
		Mesothelioma Malignant	
Stomach	Forestomach	Mesothelioma Malignant	
Testes	Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Marked
		Mesothelioma Malignant	
Note: ADENOMA TGLs = 11-10			
Note: MESOTHELIO MAL TGLs = 4-10+11			
Urinary Bladder		Mesothelioma Malignant	
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 25	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 601
	DOSE: 5 PPM	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Intestine Large	Colon	Parasite Metazoan	
Kidney		Nephropathy	Chronic, Moderate
Liver	Bile Duct	Hyperplasia	Multifocal, Moderate
		Leukemia Mononuclear	
	Vein	Thrombosis	
Note: LEUKEMIA MONUC TGLs = 7-3			
Lung		Alveolar/Bronchiolar Carcinoma	
	Alveolar Epith	Hyperplasia	Multifocal, Marked
		Leukemia Mononuclear	
Note: HYPERPLASIA TGLs = 1-4+5			
Note: ALV BRON CARC TGLs = 1-4+5			
Nose	Olfactory Epi	Atrophy	Mild
	Respirat Epith	Hyperplasia	Mild
	Mucosa	Inflammation	Chronic Active, Mild
	Respirat Epith	Metaplasia	Squamous, Mild
Preputial Gland		Inflammation	Granulomatous, Mild
Spleen		Fibrosis	Diffuse, Marked
		Leukemia Mononuclear	
[Fibrosis TGLS = 3-3]			
Testes	Bilateral, Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Moderate

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 25	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 601
	DOSE: 5 PPM	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

Note: ATROPHY TGLs = 4-11
Note: ADENOMA TGLs = 5+6-10

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 25	**TRT#:** 6	**SEX:** Male	**DAY ON TEST:** 663
	DOSE: 2 PPM	**DISP:** Natural Death	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Adrenal Gland	Cortex	Angiectasis	Multifocal, Moderate
	Cortex	Hyperplasia	Focal, Moderate
	Medulla	Hyperplasia	Multifocal, Mild
Heart		Cardiomyopathy	Marked
Intestine Large	Cecum	Parasite Metazoan	
Intestine Small	Duodenum	Adenocarcinoma	
Note: ADENOCARC TGLs = 2-14			
Kidney		Nephropathy	Chronic, Marked
Liver		Fatty Change	Multifocal, Minimal
		Necrosis	Acute, Multifocal, Mild
Lung	Alveolar Epith	Hyperplasia	Multifocal, Marked
Nose		Foreign Body	Minimal
	Respirat Epith	Hyperplasia	Mild
	Mucosa	Inflammation	Chronic Active, Mild
Pancreas	Acinus	Atrophy	Multifocal, Moderate
		Inflammation	Focal, Moderate
Parathyroid Gland		Adenoma	
Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-1]			
Preputial Gland		Inflammation	Granulomatous, Mild
Testes	Bilateral, Interstit Cell	Adenoma	

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 26	**TRT#:** 4	**SEX:** Male	**DAY ON TEST:** 728
	DOSE: CONTROL	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone	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	Pancreas	Parathyroid Gland	Salivary Glands
Seminal Vesicle	Skin	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Multifocal, Moderate
Bone Marrow		Hyperplasia	Moderate
Epididymis	Serosa	Granuloma	Multifocal, Moderate
Heart		Cardiomyopathy	Marked
Kidney		Nephropathy	Chronic, Marked
Larynx		Inflammation	Chronic, Mild
Liver		Basophilic Focus	
	Median Lobe	Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Multifocal, Mild
	Portal	Inflammation	Granulomatous, Multifocal, Mild
		Leukemia Mononuclear	
Note: ANOM HEPAT LOB TGLs = 1-14			
Lung	Peribronchiolr, Perivascular	Granuloma	Multifocal, Mild
		Leukemia Mononuclear	
		Metaplasia	Osseous, Focal, Mild
Lymph Node	Mandibular	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
Nose	Nasolacrim Dct	Hyperplasia	Moderate
	Nasolacrim Dct	Inflammation	Chronic Active, Marked
Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
Preputial Gland		Inflammation	Granulomatous, Mild
Prostate		Hyperplasia	Focal, Mild
Spleen		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 26	**TRT#:** 4	**SEX:** Male	**DAY ON TEST:** 728
	DOSE: CONTROL	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

Testes	Bilateral, Interstit Cell	Adenoma
Note: ADENOMA TGLs = 2-10+11		
PRIMARY CAUSE OF DEATH	-	

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 26	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 562
	DOSE: 5 PPM	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Adrenal Gland	Cortex	Degeneration	Fatty, Multifocal, Mild
Heart		Cardiomyopathy	Mild
Kidney		Alveolar/Bronchiolar Carcinoma	Metastatic (Lung)
		Nephropathy	Chronic, Minimal
Note: ALV BRON CARC TGLs = 1-7+7.1			
Lung		Alveolar/Bronchiolar Adenoma	
		Alveolar/Bronchiolar Carcinoma	
	Alveolar Epith	Hyperplasia	Multifocal, Marked
	Bronchiole	Hyperplasia	Multifocal, Marked
Note: ALV BRON ADEN TGLs = 4-4			
Note: HYPERPLASIA TGLs = 4-4+5+14			
Note: ALV BRON CARC TGLs = 3-14			
Nose	Lumen	Exudate	Mild
	Respirat Epith	Hyperplasia	Mild
Preputial Gland		Inflammation	Granulomatous, Mild
Spleen		Pigmentation	Hemosiderin, Minimal
Testes	Bilateral, Interstit Cell	Adenoma	
Note: ADENOMA TGLs = 2-10+11			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 26	**TRT#:** 6	**SEX:** Male	**DAY ON TEST:** 728
	DOSE: 2 PPM	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Epididymis	Esophagus
Intestine Large - Cecum	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Lymph Node - Mandibular	Lymph Node - Mesenteric	Parathyroid Gland
Salivary Glands	Seminal Vesicle	Skin	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Urinary Bladder

OBSERVATIONS

Adrenal Gland	Cortex	Degeneration	Fatty, Focal, Minimal
	Cortex	Hyperplasia	Multifocal, Mild
Bone Marrow		Leukemia Mononuclear	
Brain		Compression	
Heart		Cardiomyopathy	Minimal
Intestine Large	Colon	Parasite Metazoan	
Islets, Pancreatic		Hyperplasia	Focal, Moderate
Kidney		Nephropathy	Chronic, Marked
Larynx		Inflammation	Chronic Active, Minimal
Liver	Bile Duct	Hyperplasia	Multifocal, Minimal
		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 5-3			
Lung	Alveolar Epith	Hyperplasia	Multifocal, Marked
		Leukemia Mononuclear	
Note: HYPERPLASIA TGLs = 4-4			
Mammary Gland		Hyperplasia	Diffuse, Mild
Nose		Foreign Body	Mild
	Mucosa	Inflammation	Chronic Active, Minimal
Pancreas	Acinus	Atrophy	Focal, Mild
Pituitary Gland	Pars Distalis	Carcinoma	
Note: CARCINOMA TGLs = 9-1			
Preputial Gland		Ectasia	Marked
		Squamous Cell Carcinoma	
Note: SQUAM CEL CARC TGLs = 1-9			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 26	**TRT#:** 6	**SEX:** Male	**DAY ON TEST:** 728
	DOSE: 2 PPM	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

Prostate		Hyperplasia	Focal, Minimal
Spleen		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 3-3+15			
Testes	Bilateral, Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Mild
	Artery	Inflammation	Chronic, Mild
Note: ATROPHY TGLs = 8-10			
Note: ADENOMA TGLs = 7-11			
Trachea		Inflammation	Chronic, Mild
Zymbal's Gland		Squamous Cell Papilloma	
Note: PAPILLOMA SQUA TGLs = 2-14			
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 27	**TRT#:** 4	**SEX:** Male	**DAY ON TEST:** 668
	DOSE: CONTROL	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone	Bone Marrow	Epididymis
Esophagus	Intestine Large - Cecum	Intestine Large - Colon	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Larynx
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose
Parathyroid Gland	Salivary Glands	Skin	Stomach - Forestomach
Stomach - Glandular	Thymus	Trachea	Urinary Bladder

OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Benign	
Brain		Compression	
		Hydrocephalus	Moderate
Heart		Cardiomyopathy	Moderate
Intestine Large	Rectum, Serosa	Inflammation	Chronic, Mild
Kidney		Nephropathy	Chronic, Marked
Liver	Periportal	Fatty Change	Multifocal, Mild
Mammary Gland		Ectasia	Multifocal, Moderate
Pancreas	Acinus	Atrophy	Multifocal, Mild
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA TGLs = 3-1			
Preputial Gland		Inflammation	Granulomatous, Mild
Prostate		Hyperplasia	Focal, Minimal
Seminal Vesicle		Ectasia	Moderate
Spleen		Pigmentation	Hemosiderin, Mild
Testes	Interstit Cell	Hyperplasia	Minimal
Thyroid Gland	C Cell	Hyperplasia	Focal, Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 27	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 706
	DOSE: 5 PPM	**DISP:** Natural Death	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone Marrow	Brain	Epididymis
Esophagus	Intestine Large - Cecum	Larynx	Lymph Node - Mesenteric
Mammary Gland	Parathyroid Gland	Pituitary Gland	Prostate
Salivary Glands	Seminal Vesicle	Skin	Stomach - Forestomach
Stomach - Glandular	Thyroid Gland	Trachea	Urinary Bladder

OBSERVATIONS

Adrenal Gland	Capsule	Accessory Adrenal Cortical Nodule	
	Medulla	Pheochromocytoma Benign	
Heart		Cardiomyopathy	Marked
	Atrium Rgt	Dilatation	Marked
Note: DILATATION TGLs = 4-2			
Intestine Large	Colon	Parasite Metazoan	
	Rectum	Parasite Metazoan	
Islets, Pancreatic		Adenoma	
Kidney		Nephropathy	Chronic, Minimal
Liver		Basophilic Focus	
		Congestion	Diffuse, Mild
Lung		Alveolar/Bronchiolar Carcinoma	Multiple
	Alveolar Epith	Hyperplasia	Multifocal, Marked
	Bronchiole	Hyperplasia	Multifocal, Marked
Note: ALV BRON CARC TGLs = 2+1-4			
Note: THREE SITES OF A-B CARC. IN RIGHT			
Note: ALV BRON CARC TGLs = 3-5			
Note: HYPERPLASIA TGLs = 1-4+5			
Lymph Node	Mediastinal	Cyst	Multiple
	Mediastinal	Hemorrhage	Subacute, Mild
	Mandibular	Hyperplasia	Plasma Cell, Mild
	Mediastinal	Leukemia Mononuclear	
Note: CYST TGLs = 7-9			
Nose	Respirat Epith	Metaplasia	Squamous, Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 27	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 706
	DOSE: 5 PPM	**DISP:** Natural Death	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

Pancreas		Alveolar/Bronchiolar Carcinoma	Metastatic (Lung)
Preputial Gland		Ectasia	Moderate
		Inflammation	Granulomatous, Mild
Spleen		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 5-3			
Testes	Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Minimal
Note: ADENOMA TGLs = 6-10			
Thymus		Ectopic Parathyroid Gland	

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 27	**TRT#:** 6	**SEX:** Male	**DAY ON TEST:** 535
	DOSE: 2 PPM	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Brain
Epididymis	Esophagus	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Larynx	Liver	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			

MISSING

Preputial Gland

OBSERVATIONS

Bone Marrow			Hyperplasia	Marked
Heart			Cardiomyopathy	Minimal
Kidney			Nephropathy	Chronic, Minimal
Lung			Alveolar/Bronchiolar Adenoma	
Nose		Nasolacrim Dct	Inflammation	Chronic, Moderate
Skin		Subcut Tiss	Sarcoma	
Note: SARCOMA	TGLs = 3-14			
Spleen			Hematopoietic Cell Proliferation	Mild
Testes		Bilateral, Interstit Cell	Adenoma	
Note: ADENOMA	TGLs = 2-10+11			
Thymus		Epithel Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 28	**TRT#:** 4	**SEX:** Male	**DAY ON TEST:** 728
	DOSE: CONTROL	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Thymus

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Focal, Minimal
Bone Marrow		Leukemia Mononuclear	
Heart		Cardiomyopathy	Moderate
Kidney		Nephropathy	Chronic, Moderate
Liver		Fibrosis	Focal, Mild
	Bile Duct	Hyperplasia	Multifocal, Mild
		Leukemia Mononuclear	
Note: FIBROSIS TGLs = 4-3			
Note: FIBROSIS ASSOCIATED WITH CONSTRICTION AND DEFORMITY			
Note: LEUKEMIA MONUC TGLs = 2-3			
Lung		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 1-4+5			
Lymph Node	Mandibular	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 5-6			
Nose	Mucosa	Inflammation	Chronic Active, Minimal
Pancreas	Acinus	Atrophy	Multifocal, Minimal
Pituitary Gland	Pars Distalis	Adenoma	
Preputial Gland		Hyperplasia	Minimal
		Inflammation	Chronic, Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 28	**TRT#:** 4	**SEX:** Male	**DAY ON TEST:** 728
	DOSE: CONTROL	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

Prostate		Hyperplasia	Multifocal, Mild
Spleen		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 3-14+15			
Testes	Bilateral, Interstit Cell	Adenoma	
Note: ADENOMA TGLs = 6+7-10+11			
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 28	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 673
	DOSE: 5 PPM	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Lymph Node - Mandibular

OBSERVATIONS

Adrenal Gland	Capsule	Accessory Adrenal Cortical Nodule	
	Cortex	Degeneration	Fatty, Diffuse, Moderate
	Medulla	Hyperplasia	Multifocal, Minimal
Heart		Cardiomyopathy	Minimal
Kidney	Cortex, Renal Tubule	Hyperplasia	Atypical, Focal, Moderate
		Nephropathy	Chronic, Moderate
Liver	Median Lobe	Hepatodiaphragmatic Nodule	
Note: ANOM HEPAT LOB TGLs = 8-3			
Lung		Alveolar/Bronchiolar Carcinoma	Multiple
	Alveolar Epith	Hyperplasia	Multifocal, Marked
	Bronchiole	Hyperplasia	Multifocal, Marked
Note: ALV BRON CARC TGLs = 3-4			
Note: HYPERPLASIA TGLs = 3-4+5			
Note: ALV BRON CARC TGLs = 3+4-5			
Note: MORE THAN 5 SITES OF A-B CARC. IN RIGHT			
Note: MORE THAN 5 SITES OF A-B CARC. IN LEFT			
Nose	Respirat Epith	Hyperplasia	Moderate
	Mucosa	Inflammation	Suppurative, Chronic Active, Moderate
	Respirat Epith	Metaplasia	Squamous, Mild
Pituitary Gland	Pars Distalis	Adenoma	Two

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 28	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 673
	DOSE: 5 PPM	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

	Pars Distalis	Cyst	Multiple, Mild
[Adenoma TGLS = 9-1]			
[Cyst TGLS = 9-1]			
Preputial Gland		Inflammation	Granulomatous, Minimal
Spleen		Hematopoietic Cell Proliferation	Mild
Testes	Interstit Cell	Adenoma	
	Seminif Tub	Degeneration	Mild
	Interstit Cell	Hyperplasia	Mild
Note: ADENOMA TGLs = 6-10			
Note: DEGEN TGLs = 5-11			
Thymus		Ectopic Parathyroid Gland	
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 28	**TRT#:** 6	**SEX:** Male	**DAY ON TEST:** 728
	DOSE: 2 PPM	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Stomach - Glandular

OBSERVATIONS

Adrenal Gland	Capsule	Accessory Adrenal Cortical Nodule	
	Cortex	Degeneration	Fatty, Multifocal, Mild
	Medulla	Hyperplasia	Multifocal, Mild
	Medulla	Pheochromocytoma Benign	
Heart		Cardiomyopathy	Moderate
Intestine Large	Rectum	Parasite Metazoan	
Intestine Small	Peyers Patch	Hyperplasia	Moderate
Note: HYPERPLASIA TGLs = 4-9			
Kidney		Nephropathy	Chronic, Marked
Liver		Basophilic Focus	Multiple
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Multifocal, Minimal
Lung	Alveolar Epith	Hyperplasia	Multifocal, Moderate
	Bronchiole	Hyperplasia	Multifocal, Moderate
		Infiltration Cellular	Histiocyte, Multifocal, Mild
Note: HYPERPLASIA TGLs = 3-4			
Lymph Node	Mesenteric	Hemorrhage	Acute, Moderate
Pituitary Gland	Pars Distalis	Adenoma	Two
Preputial Gland		Inflammation	Granulomatous, Mild
Skin		Squamous Cell Papilloma	
Note: PAPILLOMA SQUA TGLs = 1-1			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 28	**TRT#:** 6	**SEX:** Male	**DAY ON TEST:** 728
	DOSE: 2 PPM	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

Spleen		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 2-3			
Testes	Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Mild
Trachea		Inflammation	Chronic, Moderate

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 29	**TRT#:** 4	**SEX:** Male	**DAY ON TEST:** 728
	DOSE: CONTROL	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Preputial Gland

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Focal, Mild
	Medulla	Pheochromocytoma Benign	
Brain		Compression	
		Hydrocephalus	Minimal
Heart		Cardiomyopathy	Mild
Kidney		Nephropathy	Chronic, Marked
Liver		Fatty Change	Multifocal, Minimal
Lymph Node	Mesenteric	Hemorrhage	Acute, Mild
Mammary Gland		Ectasia	Multifocal, Minimal
Note: ECTASIA TGLs = 1-8			
Pituitary Gland	Pars Distalis	Adenoma	
Note: [ADENOMA] TGLs = 2-1			
Testes	Interstit Cell	Adenoma	

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 29	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 632
	DOSE: 5 PPM	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Adrenal Gland	Cortex	Degeneration	Fatty, Diffuse, Mild
	Medulla	Hyperplasia	Focal, Mild
Heart		Cardiomyopathy	Mild
Kidney		Nephropathy	Chronic, Marked
Liver		Fatty Change	Diffuse, Marked
Note: FATTY CHANGE TGLs = 3-3			
Note: GROSS "NODULE" IS MORE NEARLY NORMAL AREA.			
Lung		Alveolar/Bronchiolar Carcinoma	Multiple
	Alveolar Epith	Hyperplasia	Multifocal, Marked
	Bronchiole	Hyperplasia	Multifocal, Marked
Note: ALV BRON CARC TGLs = 1-4			
Note: LEFT - 1 LARGE CARCINOMA HAS SQUAMOUS COMPONENT			
Note: HYPERPLASIA TGLs = 1-4+5			
Note: ALV BRON CARC TGLs = 1-5			
Note: LEFT - 4 SITES OF CARCINOMA			
Lymph Node	Mediastinal	Hemorrhage	Acute, Mild
Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 5-1]			
Preputial Gland		Inflammation	Granulomatous, Moderate
Stomach	Epithelium, Forestomach	Hyperplasia	Focal, Moderate
	Forestomach	Inflammation	Chronic Active, Marked

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 29	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 632
	DOSE: 5 PPM	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

	Forestomach	Ulcer	Moderate
Testes	Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Minimal
	Interstit Cell	Hyperplasia	Mild
Note: ATROPHY TGLs = 2-11			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 29	**TRT#:** 6	**SEX:** Male	**DAY ON TEST:** 728
	DOSE: 2 PPM	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Multifocal, Moderate
	Medulla	Hyperplasia	Focal, Marked
	Medulla	Pheochromocytoma Benign	
Heart		Cardiomyopathy	Moderate
Islets, Pancreatic		Hyperplasia	Focal, Marked
Kidney		Nephropathy	Chronic, Marked
Note: NEPHROPATHY TGLs = 6-7			
Larynx		Inflammation	Chronic Active, Mild
Liver		Angiectasis	Multifocal, Moderate
		Basophilic Focus	Multiple
		Leukemia Mononuclear	
Lung		Alveolar/Bronchiolar Carcinoma	
	Alveolar Epith	Hyperplasia	Multifocal, Marked
	Bronchiole	Hyperplasia	Multifocal, Marked
		Infiltration Cellular	Histiocyte, Focal, Mild
Note: ALV BRON CARC TGLs = 3-14			
Note: HYPERPLASIA TGLs = 1+2-45			
Pancreas	Acinus	Hyperplasia	Focal, Moderate
Parathyroid Gland		Hyperplasia	Focal, Moderate
Prostate		Adenoma	
Spleen		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 4-3			
Testes	Bilateral, Interstit Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 29	**TRT#:** 6	**SEX:** Male	**DAY ON TEST:** 728
	DOSE: 2 PPM	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

Note: ADENOMA TGLs = 7-10+11			
Thymus	Epithel Cell	Hyperplasia	Marked
Thyroid Gland	C Cell	Adenoma	
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 30	**TRT#:** 4	**SEX:** Male	**DAY ON TEST:** 729
	DOSE: CONTROL	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Adrenal Gland	Cortex	Degeneration	Fatty, Focal, Mild
	Medulla	Pheochromocytoma Benign	
Note: PHEOCHROM BGN TGLs = 2-1			
Bone Marrow		Hyperplasia	Marked
Heart		Cardiomyopathy	Moderate
Kidney		Nephropathy	Chronic, Moderate
Liver		Degeneration	Ballooning, Multifocal, Moderate
		Eosinophilic Focus	Mild
	Bile Duct	Hyperplasia	Multifocal, Minimal
Pituitary Gland	Pars Distalis	Cyst	Minimal
Preputial Gland		Carcinoma	
		Ectasia	Moderate
		Inflammation	Chronic Active, Mild
Note: CARCINOMA TGLs = 1-14			
Seminal Vesicle		Hyperplasia	Mild
Testes	Bilateral, Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Marked
Note: ADENOMA TGLs = 4-11			
Note: ATROPHY TGLs = 3-10			
Thyroid Gland	C Cell	Hyperplasia	Multifocal, Minimal

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 30	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 518
	DOSE: 5 PPM	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Urinary Bladder

OBSERVATIONS

Bone Marrow	Myeloid Cell	Hyperplasia	Marked
Kidney		Nephropathy	Chronic, Mild
Liver		Basophilic Focus	Two
		Granuloma	Multifocal, Mild
	Median Lobe	Hepatodiaphragmatic Nodule	
Note: ANOM HEPAT LOB TGLs = 4-15			
Lung		Alveolar/Bronchiolar Carcinoma	Multiple
	Alveolar Epith	Hyperplasia	Multifocal, Marked
	Bronchiole	Hyperplasia	Multifocal, Marked
		Squamous Cell Carcinoma	
Note: RIGHT - 3 SITES OF CARCINOMA			
Note: SQUAM CEL CARC TGLs = 2-14			
Note: HYPERPLASIA TGLs = 3-5			
Note: ALV BRON CARC TGLs = 1-4			
Lymph Node	Mediastinal	Cyst	Mild
	Renal	Hemorrhage	Acute, Mild
Nose	Respirat Epith	Hyperplasia	Minimal
	Mucosa	Inflammation	Suppurative, Chronic Active, Mild
Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 30	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 518
	DOSE: 5 PPM	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

Testes	Interstit Cell	Hyperplasia	Mild
Thymus	Epithel Cell	Hyperplasia	Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 30	**TRT#:** 6	**SEX:** Male	**DAY ON TEST:** 675
	DOSE: 2 PPM	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Adrenal Gland	Cortex	Alveolar/Bronchiolar Carcinoma	Metastatic (Lung)
	Medulla	Hyperplasia	Multifocal, Moderate
	Medulla	Pheochromocytoma Benign	
Blood Vessel	Artery	Aneurysm	
Note: ARTERY IN MEDIASTINUM			
Bone Marrow		Hyperplasia	Moderate
Heart		Cardiomyopathy	Moderate
Kidney		Nephropathy	Chronic, Marked
Larynx	Epithelium	Hyperplasia	Mild
		Inflammation	Chronic Active, Mild
Liver		Basophilic Focus	Multiple
Lung		Alveolar/Bronchiolar Carcinoma	Two
		Giant Cell	Multifocal, Moderate
	Alveolar Epith	Hyperplasia	Focal, Mild
	Bronchiole	Hyperplasia	Focal, Mild
	Adventitia, Artery, Mediastinum	Inflammation	Chronic Active, Multifocal, Marked
Note: INFLAMMATION TGLs = 1-9			
Note: ALV BRON CARC TGLs = 2-4			
Lymph Node	Mandibular	Hyperplasia	Moderate
Mammary Gland	Adventitia, Artery	Inflammation	Chronic Active, Focal, Mild
Mesentery	Adventitia, Artery	Inflammation	Chronic Active, Multifocal, Marked
Note: INFLAMMATION TGLs = 4-6			
Nose	Mucosa	Inflammation	Chronic Active, Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 30	**TRT#:** 6	**SEX:** Male	**DAY ON TEST:** 675
	DOSE: 2 PPM	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

Pancreas	Adventitia, Artery	Inflammation	Chronic Active, Multifocal, Marked
Note: INFLAMMATION TGLs = 3-6			
Pituitary Gland	Pars Distalis	Adenoma	
Preputial Gland		Inflammation	Granulomatous, Moderate
Skin	Forelimb, Right	Hemorrhage	Chronic, Subacute, Focal, Marked
Note: HEMORRHAGE TGLs = 5-14			
Spleen		Leukemia Mononuclear	
Testes	Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Mild
	Artery	Inflammation	Chronic Active, Multifocal, Mild
Thymus		Ectopic Parathyroid Gland	
Zymbal's Gland		Squamous Cell Papilloma	
Note: PAPILLOMA SQUA TGLs = 6-14			
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 31	**TRT#:** 4	**SEX:** Male	**DAY ON TEST:** 401
	DOSE: CONTROL	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Brain
Epididymis	Esophagus	Intestine Large - Colon	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Kidney
Liver	Lung	Lymph Node - Mandibular	Mammary Gland
Nose	Pancreas	Parathyroid Gland	Pituitary Gland
Preputial Gland	Salivary Glands	Stomach - Forestomach	Stomach - Glandular
Thyroid Gland	Trachea	Urinary Bladder	
MISSING			
Intestine Large - Cecum	Intestine Large - Rectum	Larynx	Seminal Vesicle
Thymus			
OBSERVATIONS			
Bone Marrow		Hyperplasia	Moderate
Heart		Cardiomyopathy	Minimal
Lymph Node	Mesenteric	Hyperplasia	Reticulum Cell, Mild
Prostate		Abscess	Mild
Skin	Subcut Tiss	Fibroma	
Note: FIBROMA TGLs = 2-16			
Spleen		Hematopoietic Cell Proliferation	Moderate
Testes		Mineralization	Multifocal, Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 31	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 610
	DOSE: 5 PPM	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Epididymis	Esophagus	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Larynx	Parathyroid Gland
Salivary Glands	Skin	Stomach - Glandular	Testes
Thyroid Gland	Trachea		

OBSERVATIONS

Adrenal Gland	Cortex	Degeneration	Fatty, Diffuse, Mild
	Medulla	Hyperplasia	Focal, Moderate
	Medulla	Leukemia Mononuclear	
Bone Marrow		Leukemia Mononuclear	
Brain		Compression	
		Hydrocephalus	Mild
Heart		Cardiomyopathy	Mild
Kidney		Leukemia Mononuclear	
		Nephropathy	Chronic, Moderate
Liver	Centrilobular	Atrophy	Multifocal, Moderate
	Bile Duct	Hyperplasia	Multifocal, Moderate
		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 6-6			
Lung		Alveolar/Bronchiolar Adenoma	
		Alveolar/Bronchiolar Carcinoma	Two
	Alveolar Epith	Hyperplasia	Multifocal, Moderate
		Leukemia Mononuclear	
Note: HYPERPLASIA TGLs = 2-4+5+14			
Note: ALV BRON CARC TGLs = 3+2-14			
Note: ALV BRON ADEN TGLs = 2-4			
Lymph Node	Lumbar	Leukemia Mononuclear	
	Mandibular	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 31	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 610
	DOSE: 5 PPM	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

Note: LEUKEMIA MONUC TGLs = 5-6			
Note: LEUKEMIA MONUC TGLs = 1-2			
Note: LEUKEMIA MONUC TGLs = 7-15			
Mammary Gland		Ectasia	Multifocal, Mild
Nose	Mucosa	Inflammation	Chronic Active, Minimal
Pancreas		Leukemia Mononuclear	
Pituitary Gland	Pars Distalis	Adenoma	
		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 8-1+1.1			
Note: ADENOMA TGLs = 8-1+1.1			
Preputial Gland		Ectasia	Moderate
		Inflammation	Granulomatous, Mild
Prostate		Abscess	Marked
Seminal Vesicle		Leukemia Mononuclear	
Spleen		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 4-3			
Stomach	Forestomach	Inflammation	Chronic Active, Marked
	Forestomach	Ulcer	Marked
Note: ULCER TGLs = 9-8			
Thymus		Leukemia Mononuclear	
Urinary Bladder		Leukemia Mononuclear	
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 31	**TRT#:** 6	**SEX:** Male	**DAY ON TEST:** 674
	DOSE: 2 PPM	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Multifocal, Mild
	Cortex	Leukemia Mononuclear	
	Medulla	Leukemia Mononuclear	
	Medulla	Pheochromocytoma Benign	Multiple
Bone Marrow		Leukemia Mononuclear	
Brain		Hemorrhage	Multifocal, Moderate
		Leukemia Mononuclear	
Heart		Leukemia Mononuclear	
Intestine Large	Colon	Parasite Metazoan	
Intestine Small	Ileum	Leukemia Mononuclear	
Kidney		Leukemia Mononuclear	
		Nephropathy	Chronic, Moderate
Larynx		Inflammation	Chronic Active, Moderate
Liver		Cytoplasmic Alteration	Focal, Moderate
	Bile Duct	Hyperplasia	Multifocal, Moderate
		Leukemia Mononuclear	
		Necrosis	Acute, Multifocal, Mild
Note: LEUKEMIA MONUC TGLs = 4-3			
Lung		Alveolar/Bronchiolar Carcinoma	
	Interstitium	Fibrosis	Multifocal, Marked
	Alveolar Epith	Hyperplasia	Multifocal, Marked
		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 31	**TRT#:** 6	**SEX:** Male	**DAY ON TEST:** 674
	DOSE: 2 PPM	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

Note: ALV BRON CARC TGLs = 1-5			
Note: FIBROSIS TGLs = 1-4+4.1+5			
Note: LEUKEMIA MONUC TGLs = 1-4+4.1+5			
Note: HYPERPLASIA TGLs = 1-4+4.1+5			
Lymph Node	Mandibular	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
Nose	Nasolacrim Dct	Inflammation	Chronic Active, Mild
Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
Spleen		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 2+3-3			
Testes	Interstit Cell	Hyperplasia	Mild
Thymus		Leukemia Mononuclear	
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 32	**TRT#:** 4	**SEX:** Male	**DAY ON TEST:** 644
	DOSE: CONTROL	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Epididymis	Esophagus	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Larynx	Lung	Lymph Node - Mandibular
Lymph Node - Mesenteric	Parathyroid Gland	Preputial Gland	Salivary Glands
Seminal Vesicle	Thymus	Trachea	Urinary Bladder

OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Focal, Mild
Heart		Cardiomyopathy	Mild
Kidney		Nephropathy	Chronic, Marked
Note: NEPHROPATHY TGLs = 3-7+15,			
Liver		Fatty Change	Multifocal, Mild
	Serosa	Inflammation	Proliferative, Chronic Active, Focal, Moderate
Note: "PROLIFERATIVE" INFLAMMATION INCLUDES ADHESION OF MESENTERY			
Note: INFLAMMATION TGLs = 5-6,			
Mammary Gland		Ectasia	Multifocal, Moderate
Nose	Nasolacrim Dct	Inflammation	Suppurative, Acute, Mild
Pancreas	Acinus	Atrophy	Multifocal, Moderate
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA TGLs = 4-1,			
Prostate		Inflammation	Suppurative, Chronic Active, Moderate
Skin		Keratoacanthoma	
Note: KERATOACANTHMA TGLs = 1-14			
Spleen		Pigmentation	Hemosiderin, Mild
Stomach	Epithelium, Forestomach	Hyperplasia	Diffuse, Marked
	Glandular, Mucosa	Necrosis	Acute, Multifocal, Mild
	Forestomach	Ulcer	Marked
Note: ULCER TGLs = 6-8,			
Testes	Seminif Tub	Degeneration	Mild
Thyroid Gland	C Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 32	**TRT#:** 4	**SEX:** Male	**DAY ON TEST:** 644
	DOSE: CONTROL	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH	-

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 32	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 618
	DOSE: 5 PPM	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Bone Marrow	Brain	Epididymis
Esophagus	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Larynx
Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose	Pancreas
Parathyroid Gland	Prostate	Salivary Glands	Seminal Vesicle
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder

OBSERVATIONS

Adrenal Gland	Medulla	Alveolar/Bronchiolar Carcinoma	Metastatic (Lung)
	Cortex	Degeneration	Fatty, Diffuse, Moderate
Heart		Cardiomyopathy	Minimal
Islets, Pancreatic		Adenoma	
		Hyperplasia	Multifocal, Moderate
Kidney		Nephropathy	Chronic, Mild
Liver		Fatty Change	Multifocal, Mild
	Bile Duct	Hyperplasia	Multifocal, Minimal
Lung		Alveolar/Bronchiolar Adenoma	
		Alveolar/Bronchiolar Carcinoma	Multiple
	Alveolar Epith	Hyperplasia	Multifocal, Marked
	Bronchiole	Hyperplasia	Multifocal, Marked
Note: ALV BRON CARC TGLs = 1-14+15+5			
Note: LEFT-MORE THAN 5 SITES OF A-B CARC.			
Lymph Node	Mediastinal	Cyst	Multiple, Moderate
Mammary Gland		Ectasia	Multifocal, Moderate
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA TGLs = 2-1			
Preputial Gland		Inflammation	Granulomatous, Mild
Testes	Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 32	**TRT#:** 6	**SEX:** Male	**DAY ON TEST:** 707
	DOSE: 2 PPM	**DISP:** Moribund Sacrifice	**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 - Jejunum	Islets, Pancreatic	Larynx	Pancreas
Parathyroid Gland	Salivary Glands	Seminal Vesicle	Skin
Stomach - Glandular	Trachea	Urinary Bladder	

MISSING

Thymus

OBSERVATIONS

Adrenal Gland	Cortex	Degeneration	Fatty, Diffuse, Moderate
	Cortex	Hemorrhage	Acute, Multifocal, Moderate
	Cortex	Necrosis	Acute, Multifocal, Mild
Note: HEMORRHAGE TGLs = 11-7			
Note: DEGEN TGLs = 11-7			
Bone	Femur, Periosteum	Fibrous Histiocytoma	
Bone Marrow		Hyperplasia	Moderate
Heart		Cardiomyopathy	Moderate
		Fibrous Histiocytoma	
	Mitral Valve	Thrombosis	Moderate
Intestine Small	Ileum, Peyers Patch	Fibrous Histiocytoma	
Kidney		Infarct	Moderate
		Nephropathy	Chronic, Moderate
		Pigmentation	Multifocal, Mild
Liver		Fibrous Histiocytoma	
		Hemorrhage	Acute, Multifocal, Marked
	Median Lobe	Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Multifocal, Moderate
		Hyperplasia	Nodular, Multifocal, Moderate
		Necrosis	Subacute, Multifocal, Moderate
Note: FIB HISTIOCYT TGLs = 7+8-3+14			
Note: ANOM HEPAT LOB TGLs = 9-3			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 32	**TRT#:** 6	**SEX:** Male	**DAY ON TEST:** 707
	DOSE: 2 PPM	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

Lung		Alveolar/Bronchiolar Carcinoma	
		Fibrous Histiocytoma	
		Hemorrhage	Subacute, Multifocal, Moderate
	Alveolar Epith	Hyperplasia	Focal, Marked
	Bronchiole	Hyperplasia	Focal, Marked
		Pigmentation	Hemosiderin, Multifocal, Moderate
Note: ALV BRON CARC TGLs = 2-4			
Note: PIGMENT TGLs = 1-4+5			
Lymph Node	Mandibular	Fibrous Histiocytoma	
	Mediastinal	Hemorrhage	Subacute, Marked
	Mesenteric	Hemorrhage	Acute, Mild
Note: HEMORRHAGE TGLs = 4-6			
Mammary Gland		Ectasia	Multifocal, Mild
Nose	Nasolacrim Dct	Exudate	Marked
	Mucosa	Thrombosis	Multifocal, Moderate
Pituitary Gland	Pars Distalis	Angiectasis	Marked
	Pars Distalis	Cyst	Marked
Note: ANGIECTASIS TGLs = 10-1			
[Cyst TGLS = 10-1]			
Preputial Gland		Inflammation	Granulomatous, Minimal
Prostate		Hyperplasia	Focal, Minimal
Skeletal Muscle	Hindlimb	Fibrous Histiocytoma	
Spleen		Hematopoietic Cell Proliferation	Marked
Note: HEMA CELL PROL TGLs = 3-3			
Stomach	Forestomach	Hemorrhage	Multifocal, Moderate
	Epithelium, Forestomach	Hyperplasia	Diffuse, Moderate
	Forestomach	Inflammation	Chronic, Mild
Testes	Bilateral, Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Moderate
		Mineralization	Multifocal, Mild
Note: ATROPHY TGLs = 5-10			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 32	**TRT#:** 6	**SEX:** Male	**DAY ON TEST:** 707
	DOSE: 2 PPM	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

Note: ADENOMA TGLs = 6-11			
Thyroid Gland	C Cell	Hyperplasia	Multifocal, Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 33	**TRT#:** 4	**SEX:** Male	**DAY ON TEST:** 646
	DOSE: CONTROL	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Brain
Epididymis	Esophagus	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Larynx
Mammary Gland	Nose	Parathyroid Gland	Prostate
Salivary Glands	Seminal Vesicle	Skin	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

OBSERVATIONS

Bone Marrow		Lymphoma Malignant	
Heart		Cardiomyopathy	Mild
Intestine Large	Cecum	Lymphoma Malignant	
	Colon	Lymphoma Malignant	
Note: LYMPH MAL TGLs = 7-8			
Kidney		Lymphoma Malignant	
		Nephropathy	Chronic, Mild
Liver		Lymphoma Malignant	
Note: LYMPH MAL TGLs = 8-3			
Lung	Alveolus, Bronchus	Inflammation	Chronic Active, Multifocal, Moderate
		Lymphoma Malignant	
Note: LYMPH MAL TGLs = 1-4+5			
Lymph Node	Mandibular	Lymphoma Malignant	
	Mediastinal	Lymphoma Malignant	
	Mesenteric	Lymphoma Malignant	
	Pancreatic	Lymphoma Malignant	
Note: LYMPH MAL TGLs = 3-6			
Note: LYMPH MAL TGLs = 5-6			
[Lymphoma Malignant TGLS = 11-9]			
Pancreas	Acinus	Atrophy	Multifocal, Moderate
		Lymphoma Malignant	
Pituitary Gland	Pars Distalis	Cyst	Multiple, Mild
[Cyst TGLS = 10-1.1]			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 33	**TRT#:** 4	**SEX:** Male	**DAY ON TEST:** 646
	DOSE: CONTROL	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

Preputial Gland		Inflammation	Granulomatous, Mild
Spleen		Lymphoma Malignant	
Note: LYMPH MAL TGLs = 2-3			
Stomach	Epithelium, Forestomach	Hyperplasia	Focal, Mild
	Forestomach	Inflammation	Chronic, Mild
	Glandular	Inflammation	Chronic, Mild
Testes	Bilateral, Interstit Cell	Adenoma	
Note: ADENOMA TGLs = 4-10+11			
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 33	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 497
	DOSE: 5 PPM	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Intestine Small - Jejunum

OBSERVATIONS

Bone Marrow		Leukemia Mononuclear	
Heart		Cardiomyopathy	Minimal
Kidney		Nephropathy	Chronic, Mild
Liver		Leukemia Mononuclear	
	Vein	Thrombosis	Mild
Note: LEUKEMIA MONUC TGLs = 6-3			
Lung		Alveolar/Bronchiolar Adenoma	
		Alveolar/Bronchiolar Carcinoma	Two
	Alveolar Epith	Hyperplasia	Multifocal, Marked
	Bronchiole	Hyperplasia	Multifocal, Marked
		Leukemia Mononuclear	
Note: ALV BRON CARC TGLs = 1-4			
Note: ALV BRON CARC TGLs = 3-5			
Note: HYPERPLASIA TGLs = 2+3-4-5			
Note: ALV BRON ADEN TGLs = 2-4			
Lymph Node	Mandibular	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 4-6			
Nose	Respirat Epith	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 33	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 497
	DOSE: 5 PPM	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

	Mucosa	Inflammation	Suppurative, Chronic Active, Mild
Preputial Gland		Inflammation	Granulomatous, Minimal
Spleen		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 5-3			
Testes	Interstit Cell	Hyperplasia	Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 33	**TRT#:** 6	**SEX:** Male	**DAY ON TEST:** 728
	DOSE: 2 PPM	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Bone Marrow	Epididymis	Esophagus
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Jejunum	Islets, Pancreatic	Larynx	Lymph Node - Mesenteric
Nose	Parathyroid Gland	Salivary Glands	Seminal Vesicle
Stomach - Forestomach	Stomach - Glandular	Thymus	Trachea
Urinary Bladder			

MISSING

Intestine Small - Ileum

OBSERVATIONS

Adrenal Gland	Cortex	Degeneration	Fatty, Focal, Mild
	Medulla	Hyperplasia	Focal, Minimal
Brain		Compression	
		Hydrocephalus	Minimal
Heart	Epicardium	Carcinoma	Metastatic (Uncertain Primary Site)
		Cardiomyopathy	Mild
		Leukemia Mononuclear	
Kidney		Nephropathy	Chronic, Marked
Note: NEPHROPATHY TGLs = 9-7			
Liver	Bile Duct	Hyperplasia	Multifocal, Moderate
		Leukemia Mononuclear	
Note: HYPERPLASIA TGLs = 8-3			
Lung		Alveolar/Bronchiolar Adenoma	
		Alveolar/Bronchiolar Carcinoma	
	Alveolar Epith	Hyperplasia	Multifocal, Mild
	Bronchiole	Hyperplasia	Multifocal, Mild
	Mediastinum	Leukemia Mononuclear	
Note: HYPERPLASIA TGLs = 6+7-4			
Note: ALV BRON CARC TGLs = 5-5			
Note: ALV BRON ADEN TGLs = 4-5			
Lymph Node	Mandibular	Hyperplasia	Plasma Cell, Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 33	**TRT#:** 6	**SEX:** Male	**DAY ON TEST:** 728
	DOSE: 2 PPM	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

Mammary Gland		Ectasia	Multifocal, Moderate
Note: ECTASIA TGLs = 3-8+9			
Pancreas		Leukemia Mononuclear	
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA TGLs = 10-1			
Preputial Gland		Carcinoma	
		Hyperplasia	Marked
		Inflammation	Granulomatous, Moderate
Note: CARCINOMA TGLs = 2-14			
Prostate		Hyperplasia	Multifocal, Mild
Skin		Trichoepithelioma	
Note: TRICHOEPITHEL TGLs = 1-14			
Spleen		Leukemia Mononuclear	
Testes	Interstit Cell	Hyperplasia	Minimal
Thyroid Gland	C Cell	Hyperplasia	Multifocal, Moderate

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 34	**TRT#:** 4	**SEX:** Male	**DAY ON TEST:** 661
	DOSE: CONTROL	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone	Brain	Esophagus
Intestine Large - Cecum	Intestine Large - Colon	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Larynx	Lymph Node - Mandibular
Lymph Node - Mesenteric	Nose	Parathyroid Gland	Prostate
Salivary Glands	Skin	Stomach - Glandular	Thymus
Thyroid Gland	Trachea		

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Focal, Moderate
	Medulla	Pheochromocytoma Benign	
Bone Marrow		Hyperplasia	Mild
Heart		Cardiomyopathy	Mild
Intestine Large	Serosa	Hemorrhage	Chronic, Focal, Moderate
Kidney		Nephropathy	Chronic, Marked
Liver	Centrilobular	Atrophy	Multifocal, Mild
	Centrilobular	Fatty Change	Multifocal, Moderate
	Bile Duct	Hyperplasia	Multifocal, Mild
		Leukemia Mononuclear	
Note: FATTY CHANGE TGLs = 3-3			
[Fatty Change TGLS = 3-3]			
Lung		Leukemia Mononuclear	
Lymph Node	Mediastinal	Hyperplasia	Reticulum Cell, Marked
	Mediastinal	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
Mammary Gland		Ectasia	Multifocal, Minimal
Mesentery		Hemangioma	
Pancreas	Acinus	Atrophy	Multifocal, Moderate
Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 5-1]			
Preputial Gland		Inflammation	Granulomatous, Mild
Spleen		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 34	**TRT#:** 4	**SEX:** Male	**DAY ON TEST:** 661
	DOSE: CONTROL	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

Note: LEUKEMIA MONUC TGLs = 2-3			
Stomach	Epithelium, Forestomach	Hyperplasia	Diffuse, Mild
	Forestomach	Inflammation	Chronic Active, Mild
Testes	Seminif Tub	Atrophy	Mild
	Interstit Cell	Hyperplasia	Minimal
		Mineralization	Multifocal, Mild
Note: ATROPHY TGLs = 4-10+11			
Urinary Bladder		Inflammation	Chronic Active, Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 34	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 576
	DOSE: 5 PPM	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Adrenal Gland	Cortex	Hypertrophy	Focal, Moderate
Kidney		Nephropathy	Chronic, Mild
Liver	Bile Duct	Hyperplasia	Multifocal, Moderate
		Leukemia Mononuclear	
Lung		Alveolar/Bronchiolar Adenoma	
		Alveolar/Bronchiolar Carcinoma	Multiple
	Mediastinum	Angiectasis	Moderate
	Alveolar Epith	Hyperplasia	Multifocal, Marked
	Bronchiole	Hyperplasia	Multifocal, Marked
		Leukemia Mononuclear	
		Squamous Cell Carcinoma	

Note: RIGHT - 3 SITES OF A-B CARC., 1 IS LARGE
Note: LEFT - CARC. IS LARGE, HAS SQUAMOUS AREAS
Note: ALV BRON CARC TGLs = 2-5+15
Note: SQUAM CEL CARC TGLs = 3-14
Note: ALV BRON CARC TGLs = 4-14+4
[Alveolar/Bronchiolar Adenoma TGLS = 1-9]

Lymph Node	Mediastinal	Cyst	Multiple, Mild
	Mandibular	Hemorrhage	Subacute, Mild

Note: CYST TGLs = 1-9

Nose	Respirat Epith	Hyperplasia	Mild
	Mucosa	Inflammation	Chronic Active, Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 34	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 576
	DOSE: 5 PPM	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

Pituitary Gland		Fibrosis	Focal, Moderate
Note: FIBROSIS TGLs = 6-1			
Preputial Gland		Inflammation	Granulomatous, Minimal
Spleen		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 5-3			
Testes	Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Mild
	Interstit Cell	Hyperplasia	Minimal
Note: ATROPHY TGLs = 7-10+11			
Thymus		Alveolar/Bronchiolar Carcinoma	Metastatic (Lung)
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 34	**TRT#:** 6	**SEX:** Male	**DAY ON TEST:** 699
	DOSE: 2 PPM	**DISP:** Natural Death	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Bone Marrow	Brain	Epididymis
Esophagus	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Larynx	Mammary Gland
Nose	Pancreas	Parathyroid Gland	Pituitary Gland
Prostate	Salivary Glands	Seminal Vesicle	Skin
Stomach - Forestomach	Stomach - Glandular	Thyroid Gland	Trachea
Urinary Bladder			

MISSING

Lymph Node - Mandibular	Thymus

AUTO PRECLUDES DIAG.

Intestine Small - Jejunum

OBSERVATIONS

Adrenal Gland	Cortex	Congestion	Marked
	Medulla	Hyperplasia	Multifocal, Moderate
	Medulla	Pheochromocytoma Malignant	
Note: PHEOCHROM MAL TGLs = 13-7			
Heart		Cardiomyopathy	Moderate
Islets, Pancreatic		Hyperplasia	Focal, Mild
Note: HYPERPLASIA TGLs = 6-6.3			
Kidney		Nephropathy	Chronic, Marked
Liver		Hepatocellular Adenoma	
	Centrilobular	Necrosis	Multifocal, Marked
Note: [HEPATOCLR ADEN] TGLs = 11-3+3.1+3.2			
Note: NO LESION FOR TGL 10 IN SECTIONS OR WETS			
Note: NECROSIS TGLs = 12-3+3.1			
Lung	Alveolar Epith	Hyperplasia	Multifocal, Moderate
	Bronchiole	Hyperplasia	Multifocal, Moderate
	Interstitium	Inflammation	Chronic, Diffuse, Mild
	Bronchiole	Metaplasia	Squamous, Focal, Moderate
		Pigmentation	Hemosiderin, Diffuse, Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 34	**TRT#:** 6	**SEX:** Male	**DAY ON TEST:** 699
	DOSE: 2 PPM	**DISP:** Natural Death	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

Note: HYPERPLASIA TGLs = 4-4			
Note: PIGMENT IS IN MACROPHAGES (HEART FAILURE CELLS)			
Lymph Node	Mediastinal	Hemorrhage	Acute, Moderate
	Mesenteric	Hemorrhage	Subacute, Mild
Note: HEMORRHAGE TGLs = 9-6			
Preputial Gland		Ectasia	Moderate
		Inflammation	Granulomatous, Moderate
Spleen		Fibrosis	Marked
		Hemorrhage	Marked
Note: [HEMORRHAGE] TGLs = 5-3+3.1			
Testes	Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Minimal
		Mineralization	Focal, Minimal
Note: ADENOMA TGLs = 7-10			
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 35	**TRT#:** 4	**SEX:** Male	**DAY ON TEST:** 729
	DOSE: CONTROL	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Epididymis
Esophagus	Intestine Large - Cecum	Intestine Large - Colon	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Larynx	Lung
Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose	Pancreas
Parathyroid Gland	Prostate	Salivary Glands	Seminal Vesicle
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Thyroid Gland	Trachea	Urinary Bladder	

MISSING

Thymus

OBSERVATIONS

Adrenal Gland	Cortex	Degeneration	Fatty, Focal, Minimal
Brain		Compression	
Heart		Cardiomyopathy	Minimal
Intestine Large	Rectum	Parasite Metazoan	
Islets, Pancreatic		Carcinoma	
Kidney		Nephropathy	Chronic, Marked
Liver	Median Lobe	Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Multifocal, Minimal
Note: ANOM HEPAT LOB TGLs = 1-14			
Mammary Gland		Ectasia	Multifocal, Mild
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA TGLs = 3-1			
Preputial Gland		Inflammation	Granulomatous, Mild
Testes	Interstit Cell	Adenoma	
	Artery	Inflammation	Chronic Active, Multifocal, Mild
	Serosa	Necrosis	Focal, Mild
Note: NECROSIS TGLs = 2-14			
Note: NECROSIS OF SCROTAL FAT			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 35	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 653
	DOSE: 5 PPM	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Bone Marrow		Leukemia Mononuclear	
Epididymis	Bilateral	Mesothelioma Malignant	
Note: MESOTHELIO MAL TGLs = 7-11			
Kidney		Nephropathy	Chronic, Mild
Liver	Centrilobular	Atrophy	Diffuse, Moderate
	Bile Duct	Hyperplasia	Multifocal, Moderate
		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 8-3			
Lung		Abscess	Moderate
		Alveolar/Bronchiolar Carcinoma	Multiple
	Alveolar Epith	Hyperplasia	Multifocal, Marked
	Bronchiole	Hyperplasia	Multifocal, Marked
		Leukemia Mononuclear	
Note: 3 SITES OF A-B CARC. IN RIGHT			
Note: HYPERPLASIA TGLs = 2-4+5			
Note: ALV BRON CARC TGLs = 2-5			
Note: ALV BRON CARC TGLs = 2+3-4			
Lymph Node	Mediastinal	Hemorrhage	Subacute, Moderate
Nose	Respirat Epith	Hyperplasia	Minimal
	Mucosa	Inflammation	Suppurative, Chronic Active, Marked
	Respirat Epith	Metaplasia	Squamous, Minimal
	Mucosa	Thrombosis	Multifocal, Moderate

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 35	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 653
	DOSE: 5 PPM	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

Pancreas	Acinus	Atrophy	Focal, Mild
Note: GROSS NODULE PROBABLY PANCREATIC LYMPH NODE WITH HEMORRHAGE			
Pituitary Gland	Pars Distalis	Angiectasis	Mild
Preputial Gland		Inflammation	Granulomatous, Mild
Spleen		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 4-3			
Testes	Bilateral, Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Mild
	Bilateral	Mesothelioma Malignant	
Note: ATROPHY TGLs = 6-10			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 35	**TRT#:** 6	**SEX:** Male	**DAY ON TEST:** 726
	DOSE: 2 PPM	**DISP:** Natural Death	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood	Bone	Bone Marrow	Epididymis
Esophagus	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Mammary Gland	Prostate
Salivary Glands	Seminal Vesicle	Skin	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder

MISSING

Islets, Pancreatic	Lymph Node - Mandibular	Pancreas

AUTO PRECLUDES DIAG.

Intestine Small - Jejunum

OBSERVATIONS

Adrenal Gland	Cortex	Degeneration	Fatty, Multifocal, Mild
	Cortex	Hyperplasia	Multifocal, Mild
	Medulla	Hyperplasia	Multifocal, Mild
	Medulla	Pheochromocytoma Benign	
Brain		Compression	
Heart		Cardiomyopathy	Mild
	Atrium Rgt	Dilatation	Marked
Kidney		Nephropathy	Chronic, Marked
Note: NEPHROPATHY TGLs = 2-7			
Larynx		Inflammation	Chronic Active, Mild
Liver		Degeneration	Ballooning, Focal, Mild
		Necrosis	Subacute, Multifocal, Moderate
Lung		Alveolar/Bronchiolar Adenoma	
	Alveolar Epith	Hyperplasia	Multifocal, Mild
	Bronchiole	Hyperplasia	Multifocal, Mild
Lymph Node	Mediastinal	Hemorrhage	Acute, Moderate
	Mesenteric	Hyperplasia	Reticulum Cell, Moderate
Nose	Mucosa	Inflammation	Acute, Minimal
Parathyroid Gland		Hyperplasia	Diffuse, Moderate
Pituitary Gland	Pars Distalis	Adenoma	

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 35	**TRT#:** 6	**SEX:** Male	**DAY ON TEST:** 726
	DOSE: 2 PPM	**DISP:** Natural Death	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

	Pars Distalis	Developmental Malformation	
Note: ADENOMA TGLs = 5-1			
Note: DEV. MAL. IS CYST WITH CILIATED EPITHELIUM			
Spleen		Depletion Lymphoid	Marked
		Fibrosis	Diffuse, Moderate
Note: FIBROSIS TGLs = 6-3			
Note: ATROPHY TGLs = 6-3			
Stomach	Epithelium, Forestomach	Hyperplasia	Diffuse, Moderate
	Forestomach	Inflammation	Chronic Active, Marked
	Forestomach	Ulcer	Marked
Testes	Interstit Cell	Adenoma	
	Seminif Tub	Degeneration	Mild
	Artery	Inflammation	Chronic Active, Multifocal, Mild
Note: DEGEN TGLs = 3+4-10+11			
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 36	**TRT#:** 4	**SEX:** Male	**DAY ON TEST:** 546
	DOSE: CONTROL	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone	Bone Marrow	Epididymis
Esophagus	Heart	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Larynx
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Pancreas
Parathyroid Gland	Salivary Glands	Skeletal Muscle	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Testes
Thymus	Trachea	Urinary Bladder	

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Multifocal, Minimal
Brain		Compression	
Intestine Large	Cecum	Parasite Metazoan	
Islets, Pancreatic		Carcinoma	
Note: CARCINOMA TGLs = 3-6			
Kidney		Nephropathy	Chronic, Marked
Liver		Fatty Change	Multifocal, Minimal
	Bile Duct	Hyperplasia	Multifocal, Minimal
Mammary Gland		Ectasia	Diffuse, Marked
Mesentery	Fat	Necrosis	Focal, Moderate
Note: NECROSIS TGLs = 4-14			
Nose		Foreign Body	Mild
	Mucosa	Inflammation	Chronic Active, Mild
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA TGLs = 6-1			
Preputial Gland		Ectasia	Marked
Prostate		Inflammation	Suppurative, Marked
Note: INFLAMMATION TGLs = 5-15.1			
Seminal Vesicle		Concretion	Mild
Note: CONCRETION=SPERM PLUG			
Note: CONCRETION TGLs = 5-15			
Thyroid Gland	C Cell	Hyperplasia	Multifocal, Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 36	**TRT#:** 4	**SEX:** Male	**DAY ON TEST:** 546
	DOSE: CONTROL	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH	-

Animal Note: SCROTAL MASS NOT IN WET TISSUE
Animal Note: SCROTAL MASS PROBABLY NECROTIC FAT

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 36	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 698
	DOSE: 5 PPM	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Preputial Gland

OBSERVATIONS

Adrenal Gland	Capsule	Accessory Adrenal Cortical Nodule	
	Medulla	Hyperplasia	Multifocal, Minimal
Heart		Cardiomyopathy	Mild
Kidney		Nephropathy	Chronic, Moderate
Larynx		Inflammation	Chronic Active, Moderate
Liver	Centrilobular	Degeneration	Multifocal, Moderate
	Bile Duct	Hyperplasia	Multifocal, Marked
		Leukemia Mononuclear	
		Necrosis	Acute, Multifocal, Mild
Note: LEUKEMIA MONUC TGLs = 8-3			
Lung		Alveolar/Bronchiolar Carcinoma	Multiple
	Alveolar Epith	Hyperplasia	Multifocal, Moderate
	Bronchiole	Hyperplasia	Multifocal, Moderate
		Leukemia Mononuclear	
		Squamous Cell Carcinoma	
Note: ALV BRON CARC TGLs = 3-5			
Note: MORE THAN 5 SITES OF AB CARC			
Note: CARC. IN LEFT IS LARGE, HAS LARGE SQUAMOUS COMPONENT			
Note: ALV BRON CARC TGLs = 2-4			
Lymph Node	Mandibular	Inflammation	Chronic Active, Mild
Mammary Gland		Ectasia	Multifocal, Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 36	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 698
	DOSE: 5 PPM	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

		Hyperplasia	Diffuse, Mild
Nose	Respirat Epith	Hyperplasia	Mild
	Mucosa	Inflammation	Suppurative, Chronic Active, Moderate
	Nasolacrim Dct	Inflammation	Chronic Active, Minimal
	Respirat Epith	Metaplasia	Squamous, Mild
Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 10-1]			
Seminal Vesicle		Atrophy	Mild
Note: ATROPHY TGLs = 7-11			
Skin		Cyst Dermoid	
Note: CYST DERMOID TGLs = 1-14			
Spleen		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 4-3			
Testes	Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Marked
	Interstit Cell	Hyperplasia	Mild
Note: ADENOMA TGLs = 6-10			
Note: ATROPHY TGLs = 5-11			
Urinary Bladder		Inflammation	Chronic Active, Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 36	**TRT#:** 6	**SEX:** Male	**DAY ON TEST:** 661
	DOSE: 2 PPM	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Adrenal Gland	Capsule	Accessory Adrenal Cortical Nodule	
	Cortex	Degeneration	Fatty, Diffuse, Mild
	Medulla	Hyperplasia	Focal, Minimal
Heart		Cardiomyopathy	Mild
Islets, Pancreatic		Adenoma	
Note: MIXED FOCAL PROLIFERATION OF ACINAR & ISLET CELLS			
Note: [ADENOMA] TGLs = 3-6			
Kidney		Alveolar/Bronchiolar Carcinoma	Metastatic (Lung)
		Nephropathy	Chronic, Moderate
Note: ALV BRON CARC TGLs = 5-7			
Liver	Bile Duct	Hyperplasia	Multifocal, Minimal
Lung		Alveolar/Bronchiolar Carcinoma	Multiple
	Alveolar Epith	Hyperplasia	Multifocal, Marked
	Bronchiole	Hyperplasia	Multifocal, Marked
	Artery	Thrombosis	Marked
Note: PLEURA IS PARIETAL OVERLYING RIB CAGE.			
Note: ALV BRON CARC TGLs = 2-14			
Note: LEFT A-B CARC. IS HUGE			
Note: ALV BRON CARC TGLs = 1-5			
Lymph Node	Mediastinal	Alveolar/Bronchiolar Carcinoma	Metastatic (Lung)
Nose	Respirat Epith	Hyperplasia	Minimal
	Mucosa	Inflammation	Suppurative, Chronic Active, Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 36	**TRT#:** 6	**SEX:** Male	**DAY ON TEST:** 661
	DOSE: 2 PPM	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

	Nasolacrim Dct	Inflammation	Suppurative, Acute, Minimal
Pancreas	Acinus	Atrophy	Multifocal, Moderate
	Acinus	Hyperplasia	Focal, Mild
Note: MIXED FOCAL PROLIFERATION OF ACINAR AND ISLET CELLS			
Note: [HYPERPLASIA] TGLs = 3-6			
Pituitary Gland	Pars Distalis	Cyst	Mild
Preputial Gland		Ectasia	Marked
Testes	Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Mild
Note: ADENOMA TGLs = 4-10			
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 37	**TRT#:** 4	**SEX:** Male	**DAY ON TEST:** 660
	DOSE: CONTROL	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone	Brain	Epididymis
Esophagus	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Islets, Pancreatic	Kidney	Larynx
Lymph Node - Mandibular	Mammary Gland	Nose	Pancreas
Parathyroid Gland	Pituitary Gland	Preputial Gland	Prostate
Salivary Glands	Seminal Vesicle	Skin	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Multifocal, Mild
	Medulla	Pheochromocytoma Benign	
Blood Vessel	Intima	Fibrosis	Multifocal, Moderate
		Mineralization	Focal, Moderate
Note: HEPATIC VESSELS			
Bone Marrow		Hyperplasia	Mild
Heart		Cardiomyopathy	Minimal
Intestine Large	Colon	Edema	Moderate
Note: 1991 CONVERSION DISCREPANCY. ORIGINAL DIAGNOSIS SITE NOT SPECIFIED.			
Note: EDEMA TGLs = 6-8			
Intestine Small	Jejunum	Adenocarcinoma	
Note: ADENOCARC TGLs = 5-10			
Liver		Adenocarcinoma	Metastatic (Intestine Small), Multiple (Intestine Small)
		Basophilic Focus	
	Bile Duct	Hyperplasia	Multifocal, Moderate
		Leukemia Mononuclear	
Note: ADENOCARC TGLs = 7+8-3			
[Leukemia Mononuclear TGLS = 8-3]			
Lung		Leukemia Mononuclear	
Lymph Node	Mesenteric	Cyst	Moderate
	Mediastinal	Hemorrhage	Acute, Moderate

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 37	**TRT#:** 4	**SEX:** Male	**DAY ON TEST:** 660
	DOSE: CONTROL	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

Note: CYST TGLs = 3-6			
Spleen		Hematopoietic Cell Proliferation	Mild
		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 1-3			
[Leukemia Mononuclear TGLS = 1-3]			
Stomach	Forestomach, Muscularis	Hyperplasia	Focal, Mild
Note: GROSS DEFORMITY OF GLANDULAR STOMACH NOT IN WETS			
Testes	Bilateral, Interstit Cell	Adenoma	
Note: ADENOMA TGLs = 2-10+11			
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 37	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 674
	DOSE: 5 PPM	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Parathyroid Gland

OBSERVATIONS

Adrenal Gland	Capsule	Accessory Adrenal Cortical Nodule	
	Cortex	Degeneration	Fatty, Diffuse, Mild
	Cortex	Hyperplasia	Focal, Minimal
	Medulla	Hyperplasia	Multifocal, Minimal
	Medulla	Pheochromocytoma Benign	
Heart		Alveolar/Bronchiolar Carcinoma	Metastatic (Lung)
		Cardiomyopathy	Mild
	Epicardium	Hyperplasia	Mild
Kidney		Nephropathy	Chronic, Marked
Note: CYST NOT IN SLIDE, BLOCK OR TISSUE			
Note: CYST PROBABLY COLLAPSED			
Liver		Basophilic Focus	
Lung		Alveolar/Bronchiolar Carcinoma	Multiple
	Alveolar Epith	Hyperplasia	Multifocal, Marked
	Bronchiole	Hyperplasia	Multifocal, Marked
		Squamous Cell Carcinoma	
Note: LEFT CARCINOMA=VARIED MORPHOLOGY			
Note: ALV BRON CARC TGLs = 1-5			
Note: SQUAM CEL CARC TGLs = 1-5			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 37	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 674
	DOSE: 5 PPM	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

Note: LEFT CARCINOMA=MORE THAN 5 SITES			
Note: ALV BRON CARC TGLs = 2-4			
Note: HYPERPLASIA TGLs = 2-4			
Note: RIGHT CARCINOMA=4 SITES			
Lymph Node	Mediastinal	Alveolar/Bronchiolar Carcinoma	Metastatic (Lung)
Nose	Respirat Epith	Hyperplasia	Mild
	Mucosa	Inflammation	Chronic Active, Mild
	Respirat Epith	Metaplasia	Squamous, Mild
Pituitary Gland	Pars Distalis	Adenoma	
Testes	Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Mild
Note: ADENOMA TGLs = 4-1			
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 37	**TRT#:** 6	**SEX:** Male	**DAY ON TEST:** 681
	DOSE: 2 PPM	**DISP:** Natural Death	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Bone Marrow	Brain	Epididymis
Esophagus	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Islets, Pancreatic	Larynx
Mammary Gland	Salivary Glands	Seminal Vesicle	Skin
Spleen	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

MISSING

Parathyroid Gland

AUTO PRECLUDES DIAG.

Intestine Small - Jejunum

OBSERVATIONS

Adrenal Gland	Cortex	Degeneration	Fatty, Diffuse, Marked
	Medulla	Hyperplasia	Multifocal, Mild
	Medulla	Pheochromocytoma Benign	
Heart		Cardiomyopathy	Marked
	Epicardium	Histiocytic Sarcoma	
Kidney	Capsule	Histiocytic Sarcoma	
		Nephropathy	Chronic, Marked
Liver		Histiocytic Sarcoma	
	Centrilobular	Necrosis	Diffuse, Moderate
Note: [HISTIO SARC] TGLs = 6-3			
Lung		Alveolar/Bronchiolar Carcinoma	
		Histiocytic Sarcoma	
	Alveolar Epith	Hyperplasia	Multifocal, Marked
	Bronchiole	Hyperplasia	Multifocal, Marked
Note: ALV BRON CARC TGLs = 2-5			
Lymph Node	Mediastinal	Histiocytic Sarcoma	
	Mesenteric	Histiocytic Sarcoma	
	Mandibular	Hyperplasia	Moderate
Note: HYPERPLASIA TGLs = 1-6			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 37	**TRT#:** 6	**SEX:** Male	**DAY ON TEST:** 681
	DOSE: 2 PPM	**DISP:** Natural Death	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

Note: [HISTIO SARC] TGLs = 3-9			
Mesentery		Histiocytic Sarcoma	
Nose	Respirat Epith	Hyperplasia	Minimal
	Respirat Epith	Metaplasia	Squamous, Minimal
Pancreas		Histiocytic Sarcoma	
Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
Preputial Gland		Inflammation	Granulomatous, Mild
Prostate		Mineralization	Multifocal, Mild
Stomach	Forestomach	Histiocytic Sarcoma	
Note: [HISTIO SARC] TGLs = 4-14+14.1			
Testes	Bilateral, Interstit Cell	Adenoma	
Note: ADENOMA TGLs = 5-10+11			
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 38	**TRT#:** 4	**SEX:** Male	**DAY ON TEST:** 727
	DOSE: CONTROL	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Epididymis	Esophagus	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Larynx	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	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

OBSERVATIONS

Adrenal Gland	Cortex	Degeneration	Fatty, Focal, Minimal
Heart		Cardiomyopathy	Mild
Intest Small			
Note: GROSSLY ENLARGED DUODENUM = SLIGHT DILATATION			
Kidney		Nephropathy	Chronic, Marked
Liver		Angiectasis	Focal, Minimal
		Basophilic Focus	
Lung		Leukemia Mononuclear	
Prostate		Hyperplasia	Multifocal, Moderate
Spleen		Leukemia Mononuclear	
Testes	Bilateral, Interstit Cell	Adenoma	
Note: ADENOMA TGLs = 1+2+3-10+11			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 38	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 653
	DOSE: 5 PPM	**DISP:** Natural Death	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Esophagus	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Mammary Gland	Parathyroid Gland	Pituitary Gland	Prostate
Salivary Glands	Skin	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder

OBSERVATIONS

Adrenal Gland	Capsule	Accessory Adrenal Cortical Nodule	
	Cortex	Degeneration	Fatty, Multifocal, Mild
	Medulla	Hyperplasia	Focal, Minimal
	Cortex	Leukemia Mononuclear	
Bone Marrow		Leukemia Mononuclear	
Brain		Hemorrhage	Multifocal, Marked
		Leukemia Mononuclear	
Epididymis	Bilateral	Mesothelioma Malignant	
Note: [MESOTHELIO MAL] TGLs = 8-11			
Heart		Cardiomyopathy	Mild
		Leukemia Mononuclear	
Islets, Pancreatic		Carcinoma	
Kidney		Nephropathy	Chronic, Moderate
		Pigmentation	Diffuse, Moderate
Larynx		Inflammation	Chronic Active, Minimal
Liver	Bile Duct	Hyperplasia	Multifocal, Mild
		Leukemia Mononuclear	
		Necrosis	Acute, Multifocal, Mild
Note: [LEUKEMIA MONUC] TGLs = 9-3			
Lung		Alveolar/Bronchiolar Carcinoma	Two
	Alveolar Epith	Hyperplasia	Multifocal, Marked
		Leukemia Mononuclear	
		Squamous Cell Carcinoma	Two
Note: [ALV BRON CARC] TGLs = 2-4			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 38	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 653
	DOSE: 5 PPM	**DISP:** Natural Death	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

Note: [HYPERPLASIA] TGLs = 2-4+5			
Note: [SQUAM CEL CARC] TGLs = 3-4			
Note: [SQUAM CEL CARC] TGLs = 4-5			
Lymph Node	Mandibular	Hyperplasia	Plasma Cell, Moderate
	Mediastinal	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
	Mediastinal	Pigmentation	Mild
Note: [LEUKEMIA MONUC] TGLs = 1-9			
Nose		Leukemia Mononuclear	
Pancreas	Acinus	Atrophy	Multifocal, Moderate
Preputial Gland		Ectasia	Marked
Seminal Vesicle		Mesothelioma Malignant	
Spleen		Leukemia Mononuclear	
Note: [LEUKEMIA MONUC] TGLs = 5-3			
Testes	Bilateral, Interstit Cell	Adenoma	
	Bilateral	Mesothelioma Malignant	
Note: [ADENOMA] TGLs = 6+7-10+11			
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 38	**TRT#:** 6	**SEX:** Male	**DAY ON TEST:** 729
	DOSE: 2 PPM	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Adrenal Gland	Cortex	Adenoma	
	Cortex	Degeneration	Fatty, Focal, Marked
	Medulla	Hyperplasia	Focal, Mild
	Cortex	Hypertrophy	Focal, Minimal
Bone Marrow		Hyperplasia	Mild
Heart		Cardiomyopathy	Moderate
Kidney		Nephropathy	Chronic, Moderate
Liver		Angiectasis	Focal, Moderate
		Basophilic Focus	Two
		Cytoplasmic Alteration	Focal, Moderate
	Bile Duct	Hyperplasia	Multifocal, Moderate
Lung		Alveolar/Bronchiolar Adenoma	
	Alveolar Epith	Hyperplasia	Multifocal, Moderate
	Bronchiole	Hyperplasia	Multifocal, Moderate
Pancreas	Acinus	Atrophy	Multifocal, Minimal
Preputial Gland		Inflammation	Granulomatous, Mild
Skin		Basal Cell Adenoma	
Note: BASAL CEL ADEN TGLs = 1-8			
Spleen		Fibrosis	Focal, Marked
		Leukemia Mononuclear	
Note: FIBROSIS TGLs = 4-3			
[Fibrosis TGLS = 3-3]			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 38	**TRT#:** 6	**SEX:** Male	**DAY ON TEST:** 729
	DOSE: 2 PPM	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

Testes	Bilateral, Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Moderate
Note: ADENOMA TGLs = 6-10+11			
Note: ATROPHY TGLs = 5-10			
Thymus	Epithel Cell	Hyperplasia	Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 39	**TRT#:** 4	**SEX:** Male	**DAY ON TEST:** 569
	DOSE: CONTROL	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Brain	Esophagus	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Jejunum	Larynx
Nose	Parathyroid Gland	Salivary Glands	Seminal Vesicle
Skin	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

MISSING

Prostate

OBSERVATIONS

Adrenal Gland	Cortex	Degeneration	Fatty, Multifocal, Mild
	Cortex	Leukemia Mononuclear	
	Cortex	Necrosis	Acute, Focal, Minimal
	Medulla	Necrosis	Acute, Focal, Minimal
Note: 1991 CONVERSION DISCREPANCY. ORIGINAL DIAGNOSIS SITE NOT SPECIFIED.			
Bone Marrow		Leukemia Mononuclear	
Epididymis		Atrophy	Mild
Heart		Leukemia Mononuclear	
Intestine Large	Cecum	Leukemia Mononuclear	
Intestine Small	Ileum	Leukemia Mononuclear	
Islets, Pancreatic		Adenoma	
Kidney		Nephropathy	Chronic, Moderate
		Pigmentation	Diffuse, Mild
Note: PIGMENT TGLs = 3-7			
Liver	Centrilobular	Atrophy	Diffuse, Mild
		Cytomegaly	Diffuse, Moderate
		Fatty Change	Multifocal, Mild
	Portal	Fibrosis	Multifocal, Moderate
	Bile Duct	Hyperplasia	Multifocal, Moderate
		Leukemia Mononuclear	
Note: FIBROSIS TGLs = 2-3			
Lung		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 39	**TRT#:** 4	**SEX:** Male	**DAY ON TEST:** 569
	DOSE: CONTROL	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

Lymph Node	Mandibular	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
Mammary Gland		Ectasia	Multifocal, Moderate
Pancreas	Acinus	Atrophy	Multifocal, Marked
		Leukemia Mononuclear	
Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 5-1]			
Preputial Gland		Inflammation	Granulomatous, Minimal
Spleen		Fibrosis	Focal, Mild
		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 1-3			
Testes	Seminif Tub	Degeneration	Moderate
Note: DEGEN TGLs = 4-10+11			
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 39	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 728
	DOSE: 5 PPM	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Thymus

OBSERVATIONS

Adrenal Gland	Capsule	Alveolar/Bronchiolar Carcinoma	Metastatic (Lung)
	Cortex	Degeneration	Fatty, Multifocal, Moderate
	Medulla	Pheochromocytoma Benign	Multiple
Heart		Cardiomyopathy	Minimal
Kidney		Alveolar/Bronchiolar Carcinoma	Metastatic (Lung)
		Nephropathy	Chronic, Moderate
Note: [ALV BRON CARC] TGLs = 7-15			
Liver		Angiectasis	Focal, Mild
Lung		Alveolar/Bronchiolar Carcinoma	Multiple
	Alveolar Epith	Hyperplasia	Multifocal, Marked
	Bronchiole	Hyperplasia	Multifocal, Marked
Note: [ALV BRON CARC] TGLs = 2-5			
Note: LEFT - 5 SITES OF A-B CARCINOMA			
Note: [ALV BRON CARC] TGLs = 2-4			
Note: RIGHT - MORE THAN 5 SITES OF A-B CARC.			
Lymph Node	Mediastinal	Cyst	Marked
	Mesenteric	Cyst	Minimal
	Mesenteric	Hemorrhage	Acute, Mild
	Mandibular	Hyperplasia	Plasma Cell, Mild
[Hemorrhage TGLS = 3-9]			
Nose	Mucosa	Inflammation	Chronic Active, Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 39	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 728
	DOSE: 5 PPM	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

Pancreas		Alveolar/Bronchiolar Carcinoma	Metastatic (Lung)
	Acinus	Atrophy	Multifocal, Mild
Note: [ALV BRON CARC] TGLs = 4-6			
Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
[Hyperplasia TGLS = 10-1]			
Preputial Gland		Inflammation	Granulomatous, Mild
Skin		Cyst Dermoid	
		Inflammation	Suppurative, Chronic Active, Focal, Moderate
Note: [CYST DERMOID] TGLs = 11-8			
Spleen		Hematopoietic Cell Proliferation	Mild
Stomach	Epithelium, Forestomach	Hyperplasia	Diffuse, Mild
	Forestomach	Inflammation	Chronic Active, Mild
	Glandular	Inflammation	Chronic, Mild
	Forestomach	Ulcer	Mild
Testes	Bilateral, Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Moderate
Note: [ATROPHY] TGLs = 8-10+11			
Note: [ADENOMA] TGLs = 9-11			
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 39	**TRT#:** 6	**SEX:** Male	**DAY ON TEST:** 729
	DOSE: 2 PPM	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone	Bone Marrow	Epididymis
Esophagus	Intestine Large - Cecum	Intestine Large - Colon	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Lymph Node - Mandibular	Mammary Gland
Parathyroid Gland	Preputial Gland	Salivary Glands	Seminal Vesicle
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder

OBSERVATIONS

Adrenal Gland	Capsule	Accessory Adrenal Cortical Nodule	
	Medulla	Pheochromocytoma Benign	
Brain		Granular Cell Tumor Benign	
Heart		Cardiomyopathy	Mild
Intestine Large	Rectum	Parasite Metazoan	
Islets, Pancreatic		Hyperplasia	Focal, Mild
Kidney		Nephropathy	Chronic, Mild
Larynx		Inflammation	Chronic, Minimal
Liver	Bile Duct	Hyperplasia	Multifocal, Minimal
Lung	Alveolar Epith	Hyperplasia	Multifocal, Moderate
Note: HYPERPLASIA TGLs = 4-4			
Lymph Node	Mesenteric	Hemorrhage	Acute, Mild
Mesentery	Fat	Necrosis	Focal, Moderate
Note: NECROSIS TGLs = 1-14			
Nose		Foreign Body	Minimal
	Mucosa	Inflammation	Chronic Active, Minimal
	Nasolacrim Dct	Inflammation	Suppurative, Acute, Mild
Pancreas	Acinus	Atrophy	Focal, Mild
Pituitary Gland	Pars Distalis	Adenoma	
Prostate		Hyperplasia	Focal, Mild
Testes	Bilateral, Interstit Cell	Adenoma	
Note: ADENOMA TGLs = 2-10			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 40	**TRT#:** 4	**SEX:** Male	**DAY ON TEST:** 727
	DOSE: CONTROL	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone	Bone Marrow	Esophagus
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Larynx
Nose	Pancreas	Parathyroid Gland	Prostate
Salivary Glands	Seminal Vesicle	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder

OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Malignant	
Note: PHEOCHROM MAL TGLs = 8-7			
Brain		Compression	
Epididymis		Atrophy	Moderate
Heart		Cardiomyopathy	Moderate
Kidney	Cortex, Renal Tubule	Hyperplasia	Atypical, Focal, Minimal
		Nephropathy	Chronic, Marked
Note: NEPHROPATHY TGLs = 7-7			
Liver		Angiectasis	Focal, Mild
		Basophilic Focus	
	Bile Duct	Hyperplasia	Multifocal, Mild
		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 9-3			
Lung		Leukemia Mononuclear	
		Pheochromocytoma Malignant	Metastatic (Adrenal Gland)
Lymph Node	Mandibular	Hyperplasia	Plasma Cell, Moderate
	Mesenteric	Leukemia Mononuclear	
Mammary Gland		Ectasia	Diffuse, Moderate
Note: ECTASIA TGLs = 2-8			
Mesentery		Leukemia Mononuclear	
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA TGLs = 10-1			
Preputial Gland		Inflammation	Granulomatous, Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 40	**TRT#:** 4	**SEX:** Male	**DAY ON TEST:** 727
	DOSE: CONTROL	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

Skin	Subcut Tiss	Fibroma	
Note: FIBROMA TGLs = 3-14			
Spleen		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 6-3			
Testes	Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Marked
	Interstit Cell	Hyperplasia	Mild
Note: ATROPHY TGLs = 4+5-10+11			
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 40	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 532
	DOSE: 5 PPM	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Adrenal Gland	Cortex	Degeneration	Fatty, Focal, Minimal
	Medulla	Hyperplasia	Multifocal, Minimal
Brain		Hemorrhage	Multifocal, Moderate
		Leukemia Mononuclear	
Heart		Leukemia Mononuclear	
Kidney		Nephropathy	Chronic, Mild
Larynx		Inflammation	Chronic Active, Mild
Liver	Centrilobular	Degeneration	Multifocal, Mild
	Bile Duct	Hyperplasia	Multifocal, Minimal
		Leukemia Mononuclear	
Note: [LEUKEMIA MONUC] TGLs = 6-3			
Lung		Alveolar/Bronchiolar Carcinoma	Two
	Alveolar Epith	Hyperplasia	Multifocal, Marked
	Bronchiole	Hyperplasia	Multifocal, Marked
	Mediastinum	Leukemia Mononuclear	
		Leukemia Mononuclear	
Note: [HYPERPLASIA] TGLs = 2-4+5			
Note: [ALV BRON CARC] TGLs = 2-5			
Lymph Node	Mandibular	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
Note: [LEUKEMIA MONUC] TGLs = 3-6			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 40	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 532
	DOSE: 5 PPM	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

Mammary Gland		Hyperplasia	Diffuse, Mild
Mesentery		Leukemia Mononuclear	
Nose	Respirat Epith	Hyperplasia	Mild
	Mucosa	Inflammation	Chronic Active, Mild
Pancreas		Leukemia Mononuclear	
Pituitary Gland	Pars Distalis	Adenoma	
Spleen		Leukemia Mononuclear	
Note: [LEUKEMIA MONUC] TGLs = 5-3			
Testes	Bilateral, Interstit Cell	Adenoma	
Note: [ADENOMA] TGLs = 4-10			
Thymus		Leukemia Mononuclear	
Note: [LEUKEMIA MONUC] TGLs = 1-9			
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 40	**TRT#:** 6	**SEX:** Male	**DAY ON TEST:** 729
	DOSE: 2 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	Larynx	Lymph Node - Mandibular
Lymph Node - Mesenteric	Mammary Gland	Parathyroid Gland	Prostate
Salivary Glands	Seminal Vesicle	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Thymus	Trachea
Urinary Bladder			

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Multifocal, Minimal
	Cortex	Hypertrophy	Focal, Minimal
Bone	Femur, Right	Osteosarcoma	
Note: OSTEOSARC TGLs = 9-14			
Heart		Cardiomyopathy	Minimal
Islets, Pancreatic		Adenoma	
Kidney		Nephropathy	Chronic, Moderate
Liver		Basophilic Focus	Two
		Granuloma	Multifocal, Minimal
	Bile Duct	Hyperplasia	Multifocal, Minimal
Lung	Alveolar Epith	Hyperplasia	Multifocal, Moderate
	Bronchiole	Hyperplasia	Multifocal, Moderate
Note: HYPERPLASIA TGLs = 7-4.1+4.2+4.3			
Note: HYPERPLASIA TGLs = 5-5			
Lymph Node	Mediastinal	Hemorrhage	Subacute, Mild
Nose	Mucosa	Inflammation	Chronic Active, Mild
Pancreas	Acinus	Atrophy	Diffuse, Marked
Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 8-1]			
Preputial Gland		Inflammation	Granulomatous, Mild
Testes	Bilateral, Interstit Cell	Adenoma	
Note: ADENOMA TGLs = 1+2+3-10+11			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 40	**TRT#:** 6	**SEX:** Male	**DAY ON TEST:** 729
	DOSE: 2 PPM	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

Thyroid Gland	C Cell	Hyperplasia	Multifocal, Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 41	**TRT#:** 4	**SEX:** Male	**DAY ON TEST:** 492
	DOSE: CONTROL	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Lymph Node - Mandibular	Pituitary Gland

OBSERVATIONS

Adrenal Gland	Cortex	Degeneration	Fatty, Focal, Minimal
Bone Marrow		Leukemia Mononuclear	
Kidney		Leukemia Mononuclear	
		Nephropathy	Chronic, Mild
Liver	Bile Duct	Hyperplasia	Multifocal, Mild
		Leukemia Mononuclear	
[Hyperplasia TGLS = 4+5-3]			
Lung		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 6-6			
Pancreas		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 6-6			
Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2+3-3]			
Testes	Interstit Cell	Adenoma	

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 41	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 521
	DOSE: 5 PPM	**DISP:** Natural Death	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Epididymis	Esophagus
Eye	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Larynx	Lymph Node - Mandibular	Mammary Gland
Nose	Parathyroid Gland	Prostate	Salivary Glands
Seminal Vesicle	Skin	Stomach - Forestomach	Stomach - Glandular
Testes	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

AUTO PRECLUDES DIAG.

Intestine Small - Ileum	Intestine Small - Jejunum

OBSERVATIONS

Adrenal Gland	Cortex	Degeneration	Fatty, Diffuse, Mild
	Cortex	Leukemia Mononuclear	
Bone Marrow		Leukemia Mononuclear	
Brain		Hemorrhage	Multifocal, Marked
		Leukemia Mononuclear	
Note: HEMORRHAGE TGLs = 5-1			
Heart		Cardiomyopathy	Mild
		Leukemia Mononuclear	
Islets, Pancreatic		Adenoma	
		Hyperplasia	Multifocal, Moderate
Kidney		Leukemia Mononuclear	
		Nephropathy	Chronic, Minimal
Liver		Fatty Change	Multifocal, Moderate
	Bile Duct	Hyperplasia	Multifocal, Mild
		Leukemia Mononuclear	
Lung		Alveolar/Bronchiolar Adenoma	
		Alveolar/Bronchiolar Carcinoma	Two
	Alveolar Epith	Hyperplasia	Multifocal, Marked
	Bronchiole	Hyperplasia	Multifocal, Marked
		Infiltration Cellular	Histiocyte, Multifocal, Moderate

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 41	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 521
	DOSE: 5 PPM	**DISP:** Natural Death	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

		Leukemia Mononuclear	
Note: ALV BRON CARC TGLs = 3-4+4.1			
Note: ALV BRON CARC TGLs = 4-5			
Lymph Node	Mediastinal	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
Pancreas	Acinus	Atrophy	Multifocal, Mild
Pituitary Gland	Pars Distalis	Adenoma	
Preputial Gland		Inflammation	Granulomatous, Moderate
Spleen		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 2-3			
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 41	**TRT#:** 6	**SEX:** Male	**DAY ON TEST:** 591
	DOSE: 2 PPM	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Adrenal Gland	Cortex	Degeneration	Fatty, Diffuse, Mild
Heart		Leukemia Mononuclear	
Islets, Pancreatic		Hyperplasia	Focal, Mild
Kidney		Infarct	Moderate
		Leukemia Mononuclear	
		Nephropathy	Chronic, Minimal
Note: INFARCT TGLs = 12-17			
Liver	Centrilobular	Atrophy	Diffuse, Moderate
		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 10-6+15			
Lung		Alveolar/Bronchiolar Carcinoma	
		Hemorrhage	Subacute, Multifocal, Mild
	Alveolar Epith	Hyperplasia	Focal, Mild
		Leukemia Mononuclear	
Note: HEMORRHAGE TGLs = 2-4+5			
Note: ALV BRON CARC TGLs = 3-5			
Lymph Node	Axillary	Leukemia Mononuclear	
	Mandibular	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 14-9			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 41	**TRT#:** 6	**SEX:** Male	**DAY ON TEST:** 591
	DOSE: 2 PPM	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

Note: LEUKEMIA MONUC TGLs = 5-6			
Note: LEUKEMIA MONUC TGLs = 8-16			
Note: LEUKEMIA MONUC TGLs = 7-6+9			
Note: LEUKEMIA MONUC TGLs = 1-2			
Nose		Foreign Body	Minimal
	Mucosa	Inflammation	Suppurative, Chronic Active, Minimal
Pituitary Gland	Pars Distalis	Adenoma	
Spleen		Infarct	Mild
		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 4-14			
Note: INFARCT TGLs = 6-14			
Testes	Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Minimal
Thymus		Leukemia Mononuclear	
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 42	**TRT#:** 4	**SEX:** Male	**DAY ON TEST:** 671
	DOSE: CONTROL	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Epididymis
Esophagus	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Larynx
Parathyroid Gland	Prostate	Salivary Glands	Seminal Vesicle
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder

OBSERVATIONS

Adrenal Gland	Capsule	Accessory Adrenal Cortical Nodule	
	Cortex	Degeneration	Fatty, Focal, Mild
	Cortex	Hyperplasia	Focal, Mild
Brain		Compression	
		Hydrocephalus	Moderate
Heart		Cardiomyopathy	Mild
Islets, Pancreatic		Carcinoma	Two
Kidney		Nephropathy	Chronic, Marked
Liver		Basophilic Focus	
		Granuloma	Multifocal, Minimal
Lung	Alveolar Epith	Hyperplasia	Focal, Minimal
Lymph Node	Mesenteric	Hemorrhage	Acute, Mild
	Mandibular	Hyperplasia	Plasma Cell, Moderate
Note: HEMORRHAGE TGLs = 2-6			
Mammary Gland		Ectasia	Multifocal, Mild
Nose	Nasolacrim Dct	Inflammation	Suppurative, Acute, Minimal
Pancreas	Acinus	Atrophy	Multifocal, Moderate
Pituitary Gland	Pars Distalis	Adenoma	
Note: [ADENOMA] TGLs = 4-1			
Preputial Gland		Inflammation	Granulomatous, Mild
Testes	Seminif Tub	Atrophy	Minimal

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 42	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 728
	DOSE: 5 PPM	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Adrenal Gland	Capsule	Accessory Adrenal Cortical Nodule	
Bone Marrow		Leukemia Mononuclear	
Heart		Cardiomyopathy	Marked
	Epicardium	Hyperplasia	Mild
Intestine Large	Colon	Parasite Metazoan	
	Rectum	Parasite Metazoan	
Kidney		Nephropathy	Chronic, Marked
Larynx		Inflammation	Acute, Mild
Liver		Basophilic Focus	Two
	Median Lobe	Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Multifocal, Marked
		Leukemia Mononuclear	

Note: LEUKEMIA MONUC TGLs = 2-3
Note: ANOM HEPAT LOB TGLs = 4-3

Lung		Alveolar/Bronchiolar Carcinoma	Multiple
	Alveolar Epith	Hyperplasia	Multifocal, Marked
	Bronchiole	Hyperplasia	Multifocal, Marked
		Squamous Cell Carcinoma	

Note: SQUAM CEL CARC TGLs = 3-4+14
Note: RIGHT - FIVE SITES OF A-B CARCINOMA
Note: RIGHT - 1 A-B CARC. HAS EXTENSIVE SQUAMOUS COMPONENT
Note: SLIDE 14 FROM RIGHT LUNG
Note: ALV BRON CARC TGLs = 3-5

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 42	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 728
	DOSE: 5 PPM	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

Note: LEFT - MORE THAN 5 SITES OF A-B CARCINOMA			
Note: ALV BRON CARC TGLs = 3-4+14			
Lymph Node	Mesenteric	Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 8-6			
Mammary Gland		Ectasia	Multifocal, Moderate
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA TGLs = 9-1			
Preputial Gland		Cyst	Mild
		Ectasia	Mild
		Inflammation	Granulomatous, Mild
Skin	Subcut Tiss	Fibroma	
Note: FIBROMA TGLs = 1-16			
Spleen		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 6-3+15			
Testes	Bilateral, Interstit Cell	Adenoma	
Note: ADENOMA TGLs = 7-10+11			
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 42	**TRT#:** 6	**SEX:** Male	**DAY ON TEST:** 729
	DOSE: 2 PPM	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Brain	Epididymis	Esophagus
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Larynx	Lymph Node - Mandibular
Parathyroid Gland	Preputial Gland	Salivary Glands	Seminal Vesicle
Skin	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Focal, Moderate
	Medulla	Hyperplasia	Focal, Mild
Bone Marrow		Leukemia Mononuclear	
Heart		Cardiomyopathy	Moderate
Islets, Pancreatic		Adenoma	
Kidney		Nephropathy	Chronic, Marked
Note: NEPHROPATHY TGLs = 7-7			
Liver		Degeneration	Ballooning, Multifocal, Moderate
	Bile Duct	Hyperplasia	Multifocal, Minimal
		Leukemia Mononuclear	
		Mitotic Alteration	Moderate
		Necrosis	Acute, Focal, Mild
Note: DEGEN TGLs = 4-3			
Note: LEUKEMIA MONUC TGLs = 6-3			
Lung		Alveolar/Bronchiolar Carcinoma	
	Alveolar Epith	Hyperplasia	Multifocal, Marked
	Bronchiole	Hyperplasia	Multifocal, Marked
		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 2-5			
Note: HYPERPLASIA TGLs = 2+3-4+5			
Note: ALV BRON CARC TGLs = 2-5			
Lymph Node	Mesenteric	Leukemia Mononuclear	
Mammary Gland		Ectasia	Multifocal, Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 42	**TRT#:** 6	**SEX:** Male	**DAY ON TEST:** 729
	DOSE: 2 PPM	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

Nose	Respirat Epith	Hyperplasia	Minimal
	Mucosa	Thrombosis	Multifocal, Moderate
Pancreas	Acinus	Atrophy	Diffuse, Marked
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA TGLs = 5-1			
Prostate		Hyperplasia	Multifocal, Moderate
Spleen		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 1-3			
Testes	Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 43	**TRT#:** 4	**SEX:** Male	**DAY ON TEST:** 694
	DOSE: CONTROL	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Focal, Minimal
Brain		Compression	
		Hydrocephalus	Moderate
Heart		Cardiomyopathy	Moderate
Kidney		Nephropathy	Chronic, Marked
Larynx		Inflammation	Chronic Active, Minimal
Liver		Fatty Change	Multifocal, Mild
		Granuloma	Multifocal, Minimal
	Bile Duct	Hyperplasia	Multifocal, Minimal
Mammary Gland		Fibroadenoma	
Note: FIBROADENOMA TGLs = 1-8			
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA TGLs = 2-1			
Prostate		Inflammation	Chronic, Moderate
Spleen		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 43	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 696
	DOSE: 5 PPM	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Brain	Epididymis	Esophagus
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Larynx	Lymph Node - Mesenteric
Mammary Gland	Parathyroid Gland	Preputial Gland	Prostate
Salivary Glands	Seminal Vesicle	Skin	Spleen
Stomach - Glandular	Trachea	Urinary Bladder	

MISSING

Thymus

OBSERVATIONS

Adrenal Gland	Cortex	Degeneration	Fatty, Focal, Mild
	Medulla	Hyperplasia	Multifocal, Mild
Bone Marrow		Hyperplasia	Moderate
Ear	Bilateral, External Ear	Hyperkeratosis	Moderate
Note: MOST OF KERATIN HAS BEEN DISPLACED			
Note: HYPERKERATOSIS TGLs = 6-15.2			
Heart		Cardiomyopathy	Mild
		Squamous Cell Carcinoma	Metastatic (Lung)
Islets, Pancreatic		Carcinoma	
Note: CARCINOMA TGLs = 5-6			
Kidney		Nephropathy	Chronic, Mild
		Squamous Cell Carcinoma	Metastatic (Lung)
Liver	Bile Duct	Hyperplasia	Multifocal, Minimal
Lung		Alveolar/Bronchiolar Carcinoma	Multiple
	Alveolar Epith	Hyperplasia	Multifocal, Marked
	Bronchiole	Hyperplasia	Multifocal, Marked
		Squamous Cell Carcinoma	
Note: ALV BRON CARC TGLs = 3-5			
Note: MORE THAN 5 SITES OF AB CARCINOMA IN RIGHT			
Note: ALV BRON CARC TGLs = 3-4			
Note: HYPERPLASIA TGLs = 3-4+5			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 43	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 696
	DOSE: 5 PPM	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

Note: INDETERMINATE # OF AB CARC IN LEFT-"COLLISION" TUMORS			
Note: SQUAM CEL CARC TGLs = 4-5			
Lymph Node	Mediastinal	Hemorrhage	Acute, Moderate
	Mandibular	Hyperplasia	Plasma Cell, Mild
Note: HYPERPLASIA TGLs = 2-6			
Nose	Respirat Epith	Hyperplasia	Minimal
	Mucosa	Inflammation	Suppurative, Chronic Active, Mild
Pancreas		Alveolar/Bronchiolar Carcinoma	Metastatic (Lung)
	Acinus	Atrophy	Multifocal, Mild
Note: ALV BRON CARC TGLs = 5-6			
Pituitary Gland	Pars Distalis	Adenoma	
Stomach	Forestomach	Inflammation	Chronic Active, Mild
Testes	Interstit Cell	Hyperplasia	Mild
Thyroid Gland	C Cell	Hyperplasia	Focal, Mild
Tissue NOS		Squamous Cell Carcinoma	Metastatic (Lung)
Note: SQUAM CEL CARC TGLs = 1-14			
Note: PARIETAL PLEURA OVERLYING RIBS			
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 43	**TRT#:** 6	**SEX:** Male	**DAY ON TEST:** 729
	DOSE: 2 PPM	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Adrenal Gland	Cortex	Degeneration	Fatty, Multifocal, Mild
	Cortex	Degeneration	Fatty, Diffuse, Mild
	Medulla	Pheochromocytoma Benign	
Heart		Cardiomyopathy	Mild
Islets, Pancreatic		Hyperplasia	Multifocal, Mild
Kidney		Nephropathy	Chronic, Marked
Lung	Alveolar Epith	Hyperplasia	Multifocal, Moderate
	Bronchiole	Hyperplasia	Multifocal, Moderate
Note: HYPERPLASIA TGLs = 4-4.1			
Lymph Node	Mesenteric	Hyperplasia	Mild
Pancreas	Acinus	Atrophy	Multifocal, Moderate
Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 5-1]			
Prostate		Hyperplasia	Multifocal, Mild
Spleen		Fibrosis	Focal, Marked
Note: FIBROSIS TGLs = 2-3			
Testes	Bilateral, Interstit Cell	Adenoma	
Note: ADENOMA TGLs = 1-11			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 44	**TRT#:** 4	**SEX:** Male	**DAY ON TEST:** 604
	DOSE: CONTROL	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Adrenal Gland	Cortex	Degeneration	Fatty, Focal, Minimal
Brain		Compression	
		Hydrocephalus	Mild
Heart		Cardiomyopathy	Mild
Kidney		Nephropathy	Chronic, Moderate
Liver		Degeneration	Ballooning, Focal, Minimal
Mammary Gland		Ectasia	Multifocal, Minimal
Nose	Respirat Epith	Hyperplasia	Minimal
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA TGLs = 1-1			
Prostate		Hyperplasia	Focal, Marked
Testes	Bilateral, Interstit Cell	Adenoma	

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 44	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 638
	DOSE: 5 PPM	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Brain	Epididymis	Esophagus
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Larynx
Lymph Node - Mesenteric	Mammary Gland	Parathyroid Gland	Salivary Glands
Seminal Vesicle	Skin	Stomach - Glandular	Trachea
Urinary Bladder			

OBSERVATIONS

Adrenal Gland	Cortex	Alveolar/Bronchiolar Carcinoma	Metastatic (Lung)
	Cortex	Degeneration	Fatty, Diffuse, Mild
	Medulla	Hyperplasia	Multifocal, Mild
Blood Vessel	Adventitia, Aorta	Alveolar/Bronchiolar Carcinoma	Metastatic (Lung)
Bone Marrow		Hyperplasia	Moderate
Heart		Alveolar/Bronchiolar Carcinoma	Metastatic (Lung)
		Cardiomyopathy	Mild
Note: ALV BRON CARC TGLs = 11-14			
Kidney		Nephropathy	Chronic, Moderate
Note: NEPHROPATHY TGLs = 7-7			
Liver		Angiectasis	Focal, Moderate
		Degeneration	Ballooning, Focal, Marked
	Portal	Fibrosis	Multifocal, Minimal
	Bile Duct	Hyperplasia	Multifocal, Moderate
		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 6-6			
Lung	Mediastinum	Alveolar/Bronchiolar Carcinoma	Metastatic (Lung)
		Alveolar/Bronchiolar Carcinoma	Multiple
	Alveolar Epith	Hyperplasia	Multifocal, Marked
	Bronchiole	Hyperplasia	Multifocal, Marked
Note: INTERMEDIATE-MORE THAN 5 SITES OF A-B CARC.			
Note: HYPERPLASIA TGLs = 2-15			
Note: ALV BRON CARC TGLs = 1-5+16+17			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 44	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 638
	DOSE: 5 PPM	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

Note: HYPERPLASIA TGLs = 2+10-4+5+16			
Note: LEFT-MORE THAN 5 SITES OF A-B CARCINOMA			
Note: ALV BRON CARC TGLs = 2+10-15			
Note: RIGHT-MORE THAN 5 SITES OF A-B CARCINOMA			
Note: ALV BRON CARC TGLs = 2+10-4			
Lymph Node	Mandibular	Hemorrhage	Acute, Mild
Nose	Respirat Epith	Hyperplasia	Mild
	Mucosa	Inflammation	Chronic Active, Mild
Pancreas		Alveolar/Bronchiolar Carcinoma	Metastatic (Lung)
	Acinus	Atrophy	Multifocal, Mild
Pituitary Gland	Pars Distalis	Cyst	Multiple, Marked
Note: CYST TGLs = 8-1			
Preputial Gland		Inflammation	Granulomatous, Mild
Prostate		Ectasia	Focal, Mild
Spleen		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 3-3			
Stomach	Forestomach	Inflammation	Chronic, Minimal
Testes	Bilateral, Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Moderate
Note: ADENOMA TGLs = 5-10+11			
Note: ATROPHY TGLs = 4-10			
Thymus		Alveolar/Bronchiolar Carcinoma	Metastatic (Lung)
Note: ALV BRON CARC TGLs = 9-9			
Thyroid Gland	C Cell	Adenoma	
Ureter		Alveolar/Bronchiolar Carcinoma	Metastatic (Lung)
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 44	**TRT#:** 6	**SEX:** Male	**DAY ON TEST:** 353
	DOSE: 2 PPM	**DISP:** Natural Death	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
Bone	Bone Marrow	Brain	Epididymis
Esophagus	Heart	Kidney	Liver
Mammary Gland	Parathyroid Gland	Preputial Gland	Prostate
Salivary Glands	Skin	Testes	Trachea
MISSING			
Larynx	Lymph Node - Mandibular	Lymph Node - Mesenteric	Seminal Vesicle
Thyroid Gland			
AUTO PRECLUDES DIAG.			
Adrenal Gland - Cortex	Adrenal Gland - Medulla	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Nose	Pancreas	Pituitary Gland
Spleen	Stomach - Forestomach	Stomach - Glandular	Urinary Bladder
OBSERVATIONS			
Brain			
Note: MANY TISSUES SEVERELY AUTOLYSED			
Lung	Alveolar Epith	Hyperplasia	Focal, Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 45	**TRT#:** 4	**SEX:** Male	**DAY ON TEST:** 727
	DOSE: CONTROL	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone	Bone Marrow	Brain
Epididymis	Esophagus	Intestine Large - Cecum	Intestine Large - Colon
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Lung	Mammary Gland	Nose	Parathyroid Gland
Preputial Gland	Salivary Glands	Seminal Vesicle	Stomach - Forestomach
Stomach - Glandular	Testes	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Benign	
Heart		Cardiomyopathy	Marked
Intestine Large	Rectum	Parasite Metazoan	
Kidney		Nephropathy	Chronic, Marked
Larynx		Inflammation	Chronic Active, Mild
Liver		Basophilic Focus	Two
		Granuloma	Multifocal, Minimal
Lymph Node	Mandibular	Hyperplasia	Plasma Cell, Mild
	Mesenteric	Hyperplasia	Lymphoid, Mild
Pancreas	Acinus	Atrophy	Focal, Mild
Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
Prostate		Hemorrhage	Acute, Moderate
Note: HEMORRHAGE TGLs = 3-8			
Skin	Subcut Tiss, Tail	Inflammation	Proliferative, Chronic, Marked
Note: INFLAMMATION TGLs = 1-14			
Note: GROSS "MASS" IS INFL. CELLS AND DEBRIS			
Spleen		Fibrosis	Multifocal, Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 45	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 710
	DOSE: 5 PPM	**DISP:** Moribund Sacrifice	**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	Larynx	Lymph Node - Mandibular
Parathyroid Gland	Pituitary Gland	Prostate	Salivary Glands
Seminal Vesicle	Skin	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

OBSERVATIONS

Adrenal Gland	Cortex	Alveolar/Bronchiolar Carcinoma	Metastatic (Lung)
	Medulla	Pheochromocytoma Benign	
Note: ALV BRON CARC TGLs = 8-7			
Bone		Alveolar/Bronchiolar Carcinoma	Metastatic (Lung)
Note: ALV BRON CARC TGLs = 10-15			
Note: SITE IS MANDIBLE			
Brain		Compression	
Note: COMPRESSION FROM LESION IN SKULL NOT PITUITARY			
Eye	Lens	Cataract	Marked
	Retina	Degeneration	Marked
Note: CATARACT TGLs = 9-14			
Heart		Cardiomyopathy	Mild
Kidney		Nephropathy	Chronic, Moderate
Liver		Basophilic Focus	Multiple
		Degeneration	Ballooning, Focal, Mild
	Centrilobular	Fatty Change	Multifocal, Mild
	Bile Duct	Hyperplasia	Multifocal, Minimal
Note: FATTY CHANGE TGLs = 7-3			
Lung		Alveolar/Bronchiolar Carcinoma	Multiple
	Alveolar Epith	Hyperplasia	Multifocal, Marked
	Bronchiole	Hyperplasia	Multifocal, Marked
	Mediastinum	Pigmentation	Moderate
Note: HYPERPLASIA TGLs = 2-4+15+16			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 45	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 710
	DOSE: 5 PPM	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

Note: ALV BRON CARC TGLs = 2+3-5			
Note: CARC=3 SITES IN LEFT,MORE THAN 5 IN RIGHT			
Note: CARCINOMAS HAVE VARIED MORPHOLOGY INCLUDING SQUAMOUS			
Note: ALV BRON CARC TGLs = 2+4-4+16			
Lymph Node	Mediastinal	Hemorrhage	Acute, Moderate
	Mesenteric	Hemorrhage	Acute, Minimal
	Mediastinal	Pigmentation	Moderate
Mammary Gland		Adenoma	
Nose	Respirat Epith	Hyperplasia	Minimal
	Mucosa	Inflammation	Chronic Active, Marked
Pancreas	Acinus	Adenoma	
		Alveolar/Bronchiolar Carcinoma	Metastatic (Lung)
	Acinus	Atrophy	Multifocal, Moderate
		Fibrosis	Focal, Moderate
Preputial Gland		Inflammation	Granulomatous, Mild
Spleen		Hemangiosarcoma	
Note: HEMANGIOSARC TGLs = 5-3			
Stomach	Epithelium, Forestomach	Hyperplasia	Focal, Mild
	Forestomach	Inflammation	Chronic Active, Moderate
Testes	Bilateral, Interstit Cell	Adenoma	
Note: ADENOMA TGLs = 6-10			
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 45	**TRT#:** 6	**SEX:** Male	**DAY ON TEST:** 729
	DOSE: 2 PPM	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Bone Marrow	Epididymis	Esophagus
Intestine Large - Cecum	Intestine Large - Colon	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Lymph Node - Mandibular	Salivary Glands
Seminal Vesicle	Skin	Stomach - Glandular	Thyroid Gland
Trachea	Urinary Bladder		

OBSERVATIONS

Adrenal Gland	Capsule	Accessory Adrenal Cortical Nodule	
	Cortex	Hyperplasia	Focal, Mild
	Medulla	Pheochromocytoma Benign	
	Medulla	Pheochromocytoma Malignant	
Note: PHEOCHROM MAL TGLs = 5-14			
Blood Vessel	Aorta	Mineralization	Multifocal, Mild
Brain		Compression	
Heart		Cardiomyopathy	Mild
Intestine Large	Rectum	Parasite Metazoan	
Kidney		Nephropathy	Chronic, Marked
Note: NEPHROPATHY TGLs = 6-7			
Larynx		Foreign Body	Mild
		Inflammation	Chronic Active, Mild
Liver		Angiectasis	Focal, Mild
		Basophilic Focus	Two
		Leukemia Mononuclear	
Lung	Alveolar Epith	Hyperplasia	Multifocal, Marked
	Bronchiole	Hyperplasia	Multifocal, Marked
		Squamous Cell Carcinoma	
Note: SQUAM CEL CARC TGLs = 3-5			
Lymph Node	Mesenteric	Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 7-6			
Mammary Gland		Ectasia	Multifocal, Marked
Note: ECTASIA TGLs = 1-8			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 45	**TRT#:** 6	**SEX:** Male	**DAY ON TEST:** 729
	DOSE: 2 PPM	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

Nose	Respirat Epith	Hyperplasia	Mild
	Mucosa	Inflammation	Chronic Active, Moderate
Pancreas	Acinus	Atrophy	Multifocal, Mild
Parathyroid Gland		Hyperplasia	Diffuse, Marked
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA TGLs = 8-1			
Preputial Gland		Inflammation	Granulomatous, Moderate
Prostate		Hyperplasia	Multifocal, Mild
Spleen		Leukemia Mononuclear	
Stomach	Forestomach, Mucosa	Mineralization	Multifocal, Mild
Testes	Interstit Cell	Adenoma	
	Artery	Inflammation	Chronic Active, Multifocal, Marked
Thymus		Ectopic Parathyroid Gland	
	Epithel Cell	Hyperplasia	Moderate
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 46	**TRT#:** 4	**SEX:** Male	**DAY ON TEST:** 653
	DOSE: CONTROL	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Multifocal, Minimal
	Cortex	Leukemia Mononuclear	
Bone Marrow		Leukemia Mononuclear	
Brain		Necrosis	Focal, Minimal
Heart		Leukemia Mononuclear	
Intestine Large	Cecum	Inflammation	Chronic Active, Marked
Kidney		Nephropathy	Chronic, Moderate
Liver		Cytomegaly	Multifocal, Mild
	Bile Duct	Hyperplasia	Multifocal, Mild
		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 6-3			
Lung		Leukemia Mononuclear	
Lymph Node	Mandibular	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
Pancreas	Acinus	Atrophy	Multifocal, Mild
	Adventitia, Artery	Inflammation	Chronic Active, Multifocal, Moderate
Pituitary Gland	Pars Distalis	Adenoma	
		Leukemia Mononuclear	
Preputial Gland		Inflammation	Granulomatous, Mild
Prostate		Inflammation	Chronic Active, Marked
Skin		Basal Cell Carcinoma	
Note: BASAL CEL CARC TGLs = 8-14			
Spleen		Infarct	Marked

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 46	**TRT#:** 4	**SEX:** Male	**DAY ON TEST:** 653
	DOSE: CONTROL	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 1-3			
Note: INFARCT TGLs = 3-3			
Testes	Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Minimal
Note: ADENOMA TGLs = 4-10			
Thymus		Leukemia Mononuclear	
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 46	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 604
	DOSE: 5 PPM	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone	Epididymis	Esophagus
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Mammary Gland	Parathyroid Gland
Preputial Gland	Prostate	Salivary Glands	Seminal Vesicle
Skin	Stomach - Glandular	Thymus	Trachea
Urinary Bladder			

MISSING

Pituitary Gland

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Multifocal, Marked
Bone Marrow		Leukemia Mononuclear	
Brain		Hemorrhage	Multifocal, Mild
		Leukemia Mononuclear	
Heart		Leukemia Mononuclear	
Islets, Pancreatic		Adenoma	
		Hyperplasia	Mild
Kidney		Nephropathy	Chronic, Mild
Larynx		Inflammation	Chronic Active, Minimal
Liver	Centrilobular	Atrophy	Multifocal, Moderate
	Bile Duct	Hyperplasia	Multifocal, Mild
		Leukemia Mononuclear	
		Necrosis	Acute, Multifocal, Mild
Note: LEUKEMIA MONUC TGLs = 7-6			
Lung		Alveolar/Bronchiolar Carcinoma	Multiple
	Alveolar Epith	Hyperplasia	Multifocal, Marked
	Bronchiole	Hyperplasia	Multifocal, Marked
		Leukemia Mononuclear	
		Squamous Cell Carcinoma	Two
Note: ALV BRON CARC TGLs = 2-5			
Note: SQUAM CEL CARC TGLs = 2-5			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 46	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 604
	DOSE: 5 PPM	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

Note: ALV BRON CARC TGLs = 2-4			
Note: RIGHT - 5 SITES OF A-B CARCINOMA			
Note: SQUAM CEL CARC TGLs = 2-4			
Note: HYPERPLASIA TGLs = 2-4+5+16			
Lymph Node	Mandibular	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 10-15			
Note: LEUKEMIA MONUC TGLs = 1-2			
Nose	Mucosa	Inflammation	Chronic Active, Minimal
Pancreas	Acinus	Atrophy	Multifocal, Moderate
Spleen		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 5-14			
Stomach	Forestomach	Inflammation	Chronic Active, Mild
Testes	Bilateral, Interstit Cell	Adenoma	
Note: ADENOMA TGLs = 3-11			
Thyroid Gland	C Cell	Hyperplasia	Multifocal, Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 46	**TRT#:** 6	**SEX:** Male	**DAY ON TEST:** 535
	DOSE: 2 PPM	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Larynx	Lymph Node - Mandibular	Mammary Gland
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	Minimal
Islets, Pancreatic		Carcinoma	
Kidney		Nephropathy	Chronic, Mild
Liver		Fatty Change	Multifocal, Minimal
	Bile Duct	Hyperplasia	Multifocal, Minimal
Lung		Alveolar/Bronchiolar Adenoma	
	Alveolar Epith	Hyperplasia	Multifocal, Mild
Note: ALV BRON ADEN TGLs = 2-5			
Note: HYPERPLASIA TGLs = 2-5			
Lymph Node	Mesenteric	Hemorrhage	Acute, Mild
Nose	Mucosa	Inflammation	Chronic Active, Mild
Preputial Gland		Inflammation	Granulomatous, Mild
Testes	Interstit Cell	Hyperplasia	Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 47	**TRT#:** 4	**SEX:** Male	**DAY ON TEST:** 483
	DOSE: CONTROL	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Thymus

OBSERVATIONS

Adrenal Gland	Cortex	Degeneration	Fatty, Focal, Mild
	Medulla	Pheochromocytoma Benign	
Bone Marrow		Leukemia Mononuclear	
Heart		Leukemia Mononuclear	
Kidney		Nephropathy	Chronic, Minimal
Larynx		Foreign Body	Mild
		Inflammation	Chronic Active, Mild
Liver	Centrilobular	Atrophy	Multifocal, Moderate
		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 2-3			
Lung		Leukemia Mononuclear	
Lymph Node	Mandibular	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
Spleen		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 1-3			
Testes	Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 47	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 605
	DOSE: 5 PPM	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Thymus

OBSERVATIONS

Adrenal Gland	Cortex	Alveolar/Bronchiolar Carcinoma	Metastatic (Lung)
	Cortex	Hyperplasia	Focal, Minimal
Bone Marrow		Leukemia Mononuclear	
Eye	Lens	Cataract	Marked
	Retina	Degeneration	Moderate
Note: CATARACT TGLs = 8-17			
Heart		Cardiomyopathy	Moderate
Kidney		Nephropathy	Chronic, Mild
Liver	Bile Duct	Hyperplasia	Multifocal, Moderate
		Leukemia Mononuclear	
Lung		Alveolar/Bronchiolar Carcinoma	Multiple
	Alveolar Epith	Hyperplasia	Multifocal, Marked
	Bronchiole	Hyperplasia	Multifocal, Marked
		Squamous Cell Carcinoma	Two

Note: HYPERPLASIA TGLs = 1-4+5
Note: LEFT - 1 CARC. VERY LARGE WITH SQUAMOUS COMPONENT
Note: LEFT - 3 SITES OF A-B CARCINOMA
Note: ALV BRON CARC TGLs = 1-5
Note: SQUAM CEL CARC TGLs = 1-4
Note: ALV BRON CARC TGLs = 1-4

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 47	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 605
	DOSE: 5 PPM	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

Lymph Node	Mandibular	Hyperplasia	Mild
	Mediastinal	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
Mammary Gland		Ectasia	Diffuse, Moderate
Nose	Mucosa	Inflammation	Suppurative, Chronic Active, Marked
	Nasolacrim Dct	Inflammation	Chronic Active, Moderate
Preputial Gland		Carcinoma	
		Ectasia	Marked
		Hyperplasia	Moderate
Note: CARCINOMA TGLs = 2-16			
Note: ECTASIA TGLs = 2-14+15			
Note: HYPERPLASIA TGLs = 2-14+15			
Spleen		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 4-3			
Testes	Bilateral, Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Mild
Note: ATROPHY TGLs = 3-10			
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 47	**TRT#:** 6	**SEX:** Male	**DAY ON TEST:** 533
	DOSE: 2 PPM	**DISP:** Natural Death	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Eye
Intestine Large - Cecum	Intestine Large - Rectum	Intestine Small - Duodenum	Islets, Pancreatic
Lymph Node - Mesenteric	Mammary Gland	Pancreas	Parathyroid Gland
Pituitary Gland	Prostate	Salivary Glands	Seminal Vesicle
Skin	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	
MISSING			
Lymph Node - Mandibular			
AUTO PRECLUDES DIAG.			
Intestine Large - Colon	Intestine Small - Ileum	Intestine Small - Jejunum	
OBSERVATIONS			
Heart		Alveolar/Bronchiolar Carcinoma	Metastatic (Lung)
Kidney		Nephropathy	Chronic, Minimal
Larynx		Inflammation	Chronic Active, Mild
Liver		Basophilic Focus	Multiple
		Inflammation	Subacute, Multifocal, Mild
Lung		Alveolar/Bronchiolar Carcinoma	Multiple
Note: LEFT - CARCINOMA IS MASSIVE			
Note: RIGHT - 3 SITES OF CARCINOMA			
Note: CARCINOMA SOLID TO SPINDLED, PROBABLY COMMON ORIGIN			
Note: ALV BRON CARC TGLs = 1-5			
Lymph Node	Mediastinal	Alveolar/Bronchiolar Carcinoma	Metastatic (Lung)
	Mediastinal	Hemorrhage	Subacute, Moderate
Nose	Nasolacrim Dct	Inflammation	Chronic, Mild
Preputial Gland		Inflammation	Granulomatous, Minimal
Spleen		Hematopoietic Cell Proliferation	Moderate
Testes	Interstit Cell	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 48	**TRT#:** 4	**SEX:** Male	**DAY ON TEST:** 720
	DOSE: CONTROL	**DISP:** Natural Death	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Epididymis	Esophagus	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
Parathyroid Gland	Preputial Gland	Prostate	Salivary Glands
Seminal Vesicle	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Thyroid Gland	Trachea	Urinary Bladder

OBSERVATIONS

Brain		Compression	
Heart		Cardiomyopathy	Mild
Intestine Large	Cecum	Parasite Metazoan	
Kidney		Nephropathy	Chronic, Marked
Larynx		Inflammation	Chronic Active, Mild
Liver		Granuloma	Multifocal, Mild
	Bile Duct	Hyperplasia	Multifocal, Minimal
Lymph Node	Mediastinal	Hemorrhage	Subacute, Mild
Mammary Gland		Ectasia	Multifocal, Moderate
Pancreas	Acinus	Atrophy	Multifocal, Moderate
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA TGLs = 1-1			
Testes	Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Mild
Thymus		Ectopic Parathyroid Gland	

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 48	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 601
	DOSE: 5 PPM	**DISP:** Natural Death	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Bone Marrow	Brain	Epididymis
Esophagus	Intestine Large - Cecum	Intestine Large - Colon	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Larynx
Lymph Node - Mesenteric	Mammary Gland	Pancreas	Parathyroid Gland
Preputial Gland	Salivary Glands	Skin	Stomach - Forestomach
Stomach - Glandular	Thymus	Trachea	Urinary Bladder

MISSING

Intestine Large - Rectum	Prostate	Seminal Vesicle

OBSERVATIONS

Adrenal Gland	Cortex	Degeneration	Fatty, Diffuse, Mild
	Medulla	Hyperplasia	Multifocal, Mild
	Medulla	Pheochromocytoma Benign	
Heart		Cardiomyopathy	Mild
	Atrium Lft	Thrombosis	Marked
Note: THROMBUS TGLs = 4-2			
Kidney		Alveolar/Bronchiolar Carcinoma	Metastatic (Lung)
		Infarct	Mild
		Nephropathy	Chronic, Moderate
		Pigmentation	Diffuse, Mild
Note: INFARCT TGLs = 5-14			
Liver	Centrilobular	Degeneration	Diffuse, Mild
	Centrilobular	Fatty Change	Diffuse, Marked
		Leukemia Mononuclear	
Lung	Mediastinum, Pleura	Alveolar/Bronchiolar Carcinoma	Metastatic (Lung)
		Alveolar/Bronchiolar Carcinoma	
	Alveolar Epith	Hyperplasia	Multifocal, Marked
	Bronchiole	Hyperplasia	Multifocal, Marked
		Leukemia Mononuclear	
Note: ALV BRON CARC TGLs = 1-4			
Note: ALV BRON CARC TGLs = 1-5			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 48	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 601
	DOSE: 5 PPM	**DISP:** Natural Death	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

Lymph Node	Mandibular	Hemorrhage	Acute, Marked
Nose	Mucosa	Inflammation	Suppurative, Chronic Active, Mild
	Mucosa	Thrombosis	Multifocal, Marked
Pituitary Gland	Pars Intermed	Angiectasis	Multifocal, Mild
	Pars Distalis	Hyperplasia	Focal, Mild
Spleen		Leukemia Mononuclear	
		Necrosis	Subacute, Multifocal, Moderate
Note: LEUKEMIA MONUC TGLs = 2-3+14			
Note: NECROSIS TGLs = 3-14			
Testes	Bilateral, Interstit Cell	Adenoma	
Thyroid Gland	C Cell	Hyperplasia	Focal, Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 48	**TRT#:** 6	**SEX:** Male	**DAY ON TEST:** 619
	DOSE: 2 PPM	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland	Skin	Thymus

OBSERVATIONS

Bone Marrow		Hyperplasia	Moderate
Heart		Cardiomyopathy	Moderate
	Atrium Lft	Thrombosis	Moderate
Intestine Small	Jejunum	Diverticulum	Mild
Note: [DIVERTICULUM] TGLs = 4-10			
Kidney		Nephropathy	Chronic, Mild
		Pigmentation	Multifocal, Mild
Liver	Bile Duct	Hyperplasia	Multifocal, Mild
		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 5-3			
Lung		Hemorrhage	Acute, Multifocal, Mild
	Alveolar Epith	Hyperplasia	Multifocal, Mild
	Bronchiole	Hyperplasia	Multifocal, Mild
		Leukemia Mononuclear	
Lymph Node	Mesenteric	Hemorrhage	Acute, Mild
	Mesenteric	Leukemia Mononuclear	
Nose		Foreign Body	Mild
	Respirat Epith	Hyperplasia	Minimal
	Mucosa	Inflammation	Chronic Active, Mild
Pituitary Gland	Pars Distalis	Hypertrophy	Multifocal, Mild
Spleen	Capsule	Fibrosis	Multifocal, Moderate

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 48	**TRT#:** 6	**SEX:** Male	**DAY ON TEST:** 619
	DOSE: 2 PPM	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 1-14			
Testes	Bilateral, Interstit Cell	Adenoma	
Note: ADENOMA TGLs = 2+3-10+11			
Thyroid Gland	Follicle	Cyst	Marked

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 49	**TRT#:** 4	**SEX:** Male	**DAY ON TEST:** 727
	DOSE: CONTROL	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone	Bone Marrow	Brain
Epididymis	Esophagus	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Larynx	Lymph Node - Mesenteric	Nose
Pancreas	Parathyroid Gland	Prostate	Salivary Glands
Seminal Vesicle	Skin	Stomach - Forestomach	Stomach - Glandular
Thyroid Gland	Trachea	Urinary Bladder	

OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Benign	
Note: PHEOCHROM BGN TGLs = 7-7			
Heart		Cardiomyopathy	Mild
Intestine Large	Cecum	Parasite Metazoan	
	Colon	Parasite Metazoan	
	Rectum	Parasite Metazoan	
Islets, Pancreatic		Adenoma	
		Hyperplasia	Focal, Mild
Kidney		Nephropathy	Chronic, Marked
Note: NEPHROPATHY TGLs = 2-7			
Liver		Basophilic Focus	
		Fatty Change	Multifocal, Minimal
	Bile Duct	Hyperplasia	Multifocal, Minimal
Lung		Alveolar/Bronchiolar Adenoma	
Lymph Node	Mediastinal	Hemorrhage	Subacute, Mild
	Mandibular	Hyperplasia	Plasma Cell, Mild
Mammary Gland		Ectasia	Diffuse, Mild
Note: ECTASIA TGLs = 1-8			
Pituitary Gland	Pars Distalis	Adenoma	
Preputial Gland		Inflammation	Granulomatous, Moderate
Spleen		Fibrosis	Focal, Marked
		Hyperplasia	Reticulum Cell, Focal, Moderate
Note: FIBROSIS TGLs = 6-3			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 49	**TRT#:** 4	**SEX:** Male	**DAY ON TEST:** 727
	DOSE: CONTROL	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

Testes	Bilateral, Interstit Cell	Adenoma	
Note: ADENOMA TGLs = 3+4+5-10+11			
Thymus	Epithel Cell	Hyperplasia	Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 49	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 548
	DOSE: 5 PPM	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Parathyroid Gland

OBSERVATIONS

Heart		Cardiomyopathy	Mild
Islets, Pancreatic		Adenoma	
Note: ADENOMA TGLs = 4-14			
Kidney		Nephropathy	Chronic, Minimal
Larynx		Inflammation	Chronic, Mild
Liver		Basophilic Focus	
Lung		Alveolar/Bronchiolar Carcinoma	Two
	Alveolar Epith	Hyperplasia	Multifocal, Marked
	Bronchiole	Hyperplasia	Multifocal, Marked
Note: ALV BRON CARC TGLs = 1-15			
Lymph Node			
Note: GROSS MESENTERIC "NODULES" PROBABLY LYMPH NODES			
Mammary Gland		Hyperplasia	Diffuse, Minimal
Nose		Foreign Body	Minimal
	Respirat Epith	Hyperplasia	Mild
	Mucosa	Inflammation	Suppurative, Chronic Active, Marked
	Respirat Epith	Metaplasia	Squamous, Mild
Pancreas		Angiectasis	Focal, Moderate
Note: ANGIECTASIS TGLs = 3-14			
Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
Preputial Gland		Inflammation	Granulomatous, Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 49	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 548
	DOSE: 5 PPM	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

Spleen		Hematopoietic Cell Proliferation	Minimal
Testes	Interstit Cell	Adenoma	
Thyroid Gland	Follicular Cel	Carcinoma	
Note: CARCINOMA TGLs = 2-2			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 49	**TRT#:** 6	**SEX:** Male	**DAY ON TEST:** 675
	DOSE: 2 PPM	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Epididymis	Esophagus	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
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	Thyroid Gland	Trachea
Urinary Bladder			

OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Multifocal, Minimal
Eye	Retina	Degeneration	Marked
Note: CORNEA NORMAL, LENS NOT AVAILABLE			
Heart		Cardiomyopathy	Mild
Islets, Pancreatic		Carcinoma	
Note: CARCINOMA TGLs = 4-6			
Kidney		Nephropathy	Chronic, Moderate
Larynx	Epithelium	Hyperplasia	Mild
Liver		Granuloma	Multifocal, Mild
	Bile Duct	Hyperplasia	Multifocal, Minimal
Lung	Alveolar Epith	Hyperplasia	Multifocal, Mild
Lymph Node	Pancreatic	Granuloma	Multifocal, Moderate
	Mesenteric	Hemorrhage	Acute, Moderate
Nose		Foreign Body	Mild
	Respirat Epith	Hyperplasia	Minimal
	Mucosa	Inflammation	Chronic Active, Minimal
Preputial Gland		Inflammation	Granulomatous, Mild
Testes	Bilateral, Interstit Cell	Adenoma	
Note: ADENOMA TGLs = 3-10+11			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 50	**TRT#:** 4	**SEX:** Male	**DAY ON TEST:** 727
	DOSE: CONTROL	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Heart		Cardiomyopathy	Mild
	Myocardium	Inflammation	Chronic, Focal, Mild
Intestine Small	Jejunum, Peyers Patch	Hyperplasia	Lymphoid, Mild
Note: TGL 1 PROBABLY PROMINENT PEYERS PATCH			
Note: HYPERPLASIA TGLs = 2-10			
Kidney		Nephropathy	Chronic, Marked
Larynx		Inflammation	Chronic, Mild
Liver		Basophilic Focus	Multiple
		Vacuolization Cytoplasmic	Multifocal, Minimal
Mammary Gland		Hyperplasia	Diffuse, Minimal
Nose	Respirat Epith	Hyperplasia	Mild
	Mucosa	Inflammation	Chronic Active, Moderate
Pituitary Gland	Pars Distalis	Developmental Malformation	
Note: DEVELOP MALFOR TGLs = 5-1			
Note: APPEAR SIMILAR TO GANGLION CELLS			
Preputial Gland		Inflammation	Granulomatous, Moderate
Prostate		Hyperplasia	Focal, Marked
Testes	Bilateral, Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Moderate
Note: ATROPHY TGLs = 3-11			
Note: ADENOMA TGLs = 4-10			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 50	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 548
	DOSE: 5 PPM	**DISP:** Moribund Sacrifice	**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	Larynx
Lymph Node - Mandibular	Pancreas	Prostate	Salivary Glands
Seminal Vesicle	Skin	Spleen	Stomach - Forestomach
Thymus	Thyroid Gland	Trachea	Urinary Bladder

OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Benign	Multiple
	Medulla	Pheochromocytoma Malignant	
Blood Vessel	Pulmn Artery	Mineralization	Moderate
Note: MINERALIZATION TGLs = 6-2			
Bone		Fibrous Osteodystrophy	Moderate
Note: IN BONES OF SKULL AND FEMUR			
Heart		Cardiomyopathy	Marked
		Mineralization	Moderate
Intestine Large	Colon, Muscularis	Mineralization	Multifocal, Moderate
Kidney		Nephropathy	Chronic, Marked
Note: NEPHROPATHY TGLs = 10-7			
Liver	Portal	Fibrosis	Multifocal, Minimal
		Granuloma	Multifocal, Minimal
Lung		Alveolar/Bronchiolar Carcinoma	Multiple
		Hemorrhage	Acute, Focal, Moderate
	Alveolar Epith	Hyperplasia	Multifocal, Marked
	Bronchiole	Hyperplasia	Multifocal, Marked
	Interstitium	Inflammation	Chronic, Multifocal, Moderate
	Artery, Mediastinum	Mineralization	Moderate
	Interstitium	Mineralization	Multifocal, Moderate
Note: ALV BRON CARC TGLs = 3-4			
Note: INFLAMMATION TGLs = 5-4+5			
Note: ALV BRON CARC TGLs = 4-5			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 50	**TRT#:** 5	**SEX:** Male	**DAY ON TEST:** 548
	DOSE: 5 PPM	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

Note: HYPERPLASIA TGLs = 5-4+5			
Lymph Node	Mesenteric	Hyperplasia	Reticulum Cell, Moderate
Mammary Gland		Ectasia	Multifocal, Marked
Note: ECTASIA TGLs = 1-8			
Mesentery	Artery	Mineralization	Moderate
Nose	Respirat Epith	Hyperplasia	Minimal
	Mucosa	Inflammation	Chronic Active, Mild
Parathyroid Gland		Hyperplasia	Diffuse, Marked
Pituitary Gland	Pars Distalis	Adenoma	
Preputial Gland		Hyperplasia	Mild
Stomach	Glandular, Mucosa	Mineralization	Moderate
Testes	Artery	Inflammation	Chronic, Moderate
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 50	**TRT#:** 6	**SEX:** Male	**DAY ON TEST:** 724
	DOSE: 2 PPM	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Epididymis	Esophagus	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Pancreas	Parathyroid Gland	Salivary Glands
Seminal Vesicle	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

MISSING

Bone	Bone Marrow

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Multifocal, Moderate
	Bilateral, Medulla	Pheochromocytoma Benign	
Brain		Compression	
Heart		Cardiomyopathy	Moderate
Islets, Pancreatic		Adenoma	
Kidney		Nephropathy	Chronic, Marked
Larynx		Inflammation	Chronic Active, Minimal
Liver	Centrilobular	Atrophy	Multifocal, Marked
	Bile Duct	Hyperplasia	Multifocal, Moderate
		Leukemia Mononuclear	
Note: [ATROPHY] TGLs = 8-3			
Note: [LEUKEMIA MONUC] TGLs = 8-3			
Lung		Alveolar/Bronchiolar Carcinoma	Two
	Alveolar Epith	Hyperplasia	Multifocal, Moderate
		Leukemia Mononuclear	
Note: [ALV BRON CARC] TGLs = 5-5			
Lymph Node	Inguinal	Hemorrhage	Acute, Mild
	Mandibular	Hemorrhage	Acute, Mild
	Mesenteric	Hemorrhage	Acute, Moderate
	Inguinal	Leukemia Mononuclear	
	Mandibular	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 50	**TRT#:** 6	**SEX:** Male	**DAY ON TEST:** 724
	DOSE: 2 PPM	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

	Mesenteric	Leukemia Mononuclear	
Note: [LEUKEMIA MONUC] TGLs = 7-6			
Mammary Gland		Ectasia	Multifocal, Mild
		Hyperplasia	Diffuse, Mild
		Leukemia Mononuclear	
Note: [HYPERPLASIA] TGLs = 4-18			
Note: TGL #4 SITE IS QUESTIONABLE			
Nose		Foreign Body	Mild
	Respirat Epith	Hyperplasia	Mild
	Mucosa	Inflammation	Chronic Active, Moderate
Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Cyst	Multiple, Mild
		Leukemia Mononuclear	
Note: [ADENOMA] TGLs = 10-1			
Preputial Gland		Foreign Body	Minimal
		Inflammation	Granulomatous, Moderate
Prostate		Inflammation	Chronic Active, Moderate
Skin	Subcut Tiss	Developmental Malformation	
		Keratoacanthoma	
	Subcut Tiss	Lipoma	
Note: [KERATOACANTHMA] TGLs = 3-17+17.1			
Note: [DEVELOP MALFOR] TGLs = 1-15+15.1			
Note: [LIPOMA] TGLs = 2-16+16.1			
Spleen		Leukemia Mononuclear	
Note: [LEUKEMIA MONUC] TGLs = 6-14			
Testes	Bilateral, Interstit Cell	Adenoma	
Note: [ADENOMA] TGLs = 9-11			
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1	**TRT#:** 1	**SEX:** Female	**DAY ON TEST:** 629
	DOSE: CONTROL	**DISP:** Natural Death	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Brain	Clitoral Gland	Esophagus
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Jejunum
Larynx	Mammary Gland	Parathyroid Gland	Salivary Glands
Skin	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	Uterus

AUTO PRECLUDES DIAG.

Intestine Large - Cecum	Intestine Small - Ileum

OBSERVATIONS

Adrenal Gland	Cortex	Leukemia Mononuclear	
	Medulla	Leukemia Mononuclear	
Bone Marrow		Hyperplasia	Moderate
Heart		Leukemia Mononuclear	
Islets, Pancreatic		Hyperplasia	Multifocal, Mild
Kidney		Leukemia Mononuclear	
		Nephropathy	Chronic, Minimal
Liver	Centrilobular	Atrophy	Diffuse, Moderate
		Leukemia Mononuclear	
Lung		Leukemia Mononuclear	
Lymph Node	Mediastinal	Hemorrhage	Moderate
	Mandibular	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
Nose		Foreign Body	Mild
	Mucosa	Inflammation	Suppurative, Chronic Active, Mild
	Nasolacrim Dct	Inflammation	Chronic, Mild
Ovary		Leukemia Mononuclear	
Pancreas		Leukemia Mononuclear	
Pituitary Gland	Pars Distalis	Cyst	Multiple, Mild
Note: CYST TGLs = 2-1,			
Spleen		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1	**TRT#:** 1	**SEX:** Female	**DAY ON TEST:** 629
	DOSE: CONTROL	**DISP:** Natural Death	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

Note: LEUKEMIA MONUC TGLs = 1-3,

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 616
	DOSE: 5 PPM	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Clitoral Gland	Esophagus	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Larynx	Lymph Node - Mandibular	Mammary Gland
Nose	Ovary	Parathyroid Gland	Salivary Glands
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Thyroid Gland	Trachea	Urinary Bladder	Uterus

OBSERVATIONS

Adrenal Gland	Cortex	Adenoma	
	Cortex	Degeneration	Fatty, Focal, Minimal
Heart		Alveolar/Bronchiolar Carcinoma	Metastatic (Lung)
Kidney		Alveolar/Bronchiolar Carcinoma	Metastatic (Lung)
		Nephropathy	Chronic, Mild
Liver		Basophilic Focus	
		Fatty Change	Multifocal, Moderate
		Fibrosis	Multifocal, Mild
		Granuloma	Multifocal, Minimal
Note: FATTY CHANGE TGLs = 5-6,			
Lung		Alveolar/Bronchiolar Adenoma	
		Alveolar/Bronchiolar Carcinoma	Multiple
	Alveolar Epith	Hyperplasia	Multifocal, Marked
	Bronchiole	Hyperplasia	Multifocal, Marked
Note: LEFT A-B CARC HAS MULT. MORPHOLOGIES, INCLUDING SQUAMOUS			
Note: ALV BRON CARC TGLs = 1-5+13,			
Lymph Node	Mesenteric	Hemorrhage	Acute, Moderate
	Pancreatic	Hemorrhage	Moderate
Note: HEMORRHAGE TGLs = 3-6,			
Pancreas		Alveolar/Bronchiolar Carcinoma	Metastatic (Lung)
	Acinus	Atrophy	Multifocal, Minimal
Note: ALV BRON CARC TGLs = 4-6,			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 616
	DOSE: 5 PPM	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

Pituitary Gland	Pars Distalis	Cyst	Minimal
Thymus		Alveolar/Bronchiolar Carcinoma	Metastatic (Lung)
Note: ALV BRON CARC TGLs = 2-10,			
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1	**TRT#:** 3	**SEX:** Female	**DAY ON TEST:** 584
	DOSE: 2 PPM	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Brain	Clitoral Gland
Esophagus	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Jejunum	Islets, Pancreatic	Larynx
Lymph Node - Mandibular	Mammary Gland	Nose	Ovary
Parathyroid Gland	Salivary Glands	Skin	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder

MISSING

Intestine Small - Ileum

OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Focal, Minimal
Bone Marrow		Hyperplasia	Marked
Heart		Cardiomyopathy	Minimal
Kidney	Capsule	Inflammation	Chronic, Mild
	Epithelium, Pelvis	Mineralization	Minimal
		Nephropathy	Chronic, Minimal
Liver		Fatty Change	Diffuse, Minimal
		Hepatodiaphragmatic Nodule	
	Centrilobular	Necrosis	Acute, Multifocal, Mild
Note: ANOM HEPAT LOB TGLs = 5-13,			
Lung	Alveolar Epith	Hyperplasia	Multifocal, Mild
Lymph Node	Mediastinal	Hemorrhage	Moderate
	Mesenteric	Hyperplasia	Lymphoid, Mild
Pancreas	Serosa	Inflammation	Chronic Active, Marked
Pituitary Gland	Pars Distalis	Angiectasis	Multifocal, Mild
Note: ANGIECTASIS TGLs = 7+8-1.1,			
Spleen		Hematopoietic Cell Proliferation	Marked
Stomach	Epithelium, Forestomach	Hyperplasia	Diffuse, Mild
	Forestomach	Inflammation	Chronic Active, Mild
	Forestomach	Ulcer	Single, Minimal
Uterus		Sarcoma Stromal	

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1	**TRT#:** 3	**SEX:** Female	**DAY ON TEST:** 584
	DOSE: 2 PPM	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

Note: SARC STROMAL	TGLs = 3+4-14+15+16+17+18,
PRIMARY CAUSE OF DEATH	-

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 2	**TRT#:** 1	**SEX:** Female	**DAY ON TEST:** 644
	DOSE: CONTROL	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Clitoral Gland	Esophagus	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Larynx	Lung	Lymph Node - Mandibular
Lymph Node - Mesenteric	Ovary	Parathyroid Gland	Salivary Glands
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder
Uterus			

OBSERVATIONS

Brain		Compression	
		Hydrocephalus	Mild
[Compression TGLS = 4-1,]			
Heart		Cardiomyopathy	Moderate
Kidney		Nephropathy	Chronic, Mild
Liver		Angiectasis	Focal, Mild
	Periportal	Fatty Change	Multifocal, Mild
		Granuloma	Multifocal, Mild
		Necrosis	Subacute, Focal, Mild
Note: NECROSIS TGLs = 1-6,			
Note: ANGIECTASIS TGLs = 2-6,			
Mammary Gland		Ectasia	Multifocal, Moderate
Nose	Nasolacrim Dct	Inflammation	Chronic, Mild
Pancreas	Acinus	Atrophy	Multifocal, Minimal
Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-1,]			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 2	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 714
	DOSE: 5 PPM	**DISP:** Natural Death	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

AUTO PRECLUDES DIAG.

Intestine Small - Ileum	Intestine Small - Jejunum

OBSERVATIONS

Clitoral Gland		Ectasia	Marked
Note: ECTASIA TGLs = 1-9,			
Heart		Cardiomyopathy	Minimal
Intestine Large	Colon	Parasite Metazoan	
Kidney		Nephropathy	Chronic, Mild
Liver		Basophilic Focus	Multiple
Lung		Alveolar/Bronchiolar Carcinoma	Multiple
	Alveolar Epith	Hyperplasia	Multifocal, Marked
	Bronchiole	Hyperplasia	Multifocal, Marked
Note: ALV BRON CARC TGLs = 2-10			
Note: 12 SITES OF A-B CARCINOMA, VARIED MORPHOLOGY.			
Note: ALV BRON CARC TGLs = 3-4+5,			
Ovary		Cyst	Moderate
Note: CYST TGLs = 5-13,			
Pancreas	Acinus	Atrophy	Multifocal, Mild
Uterus		Dilatation	Marked
		Polyp Stromal	
Note: POLYP STROMAL TGLs = 4-14+15,			

PRIMARY CAUSE OF DEATH	-

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 2	**TRT#:** 3	**SEX:** Female	**DAY ON TEST:** 716
	DOSE: 2 PPM	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Brain	Clitoral Gland
Esophagus	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Larynx	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

Adrenal Gland	Cortex	Leukemia Mononuclear	
Bone Marrow		Hyperplasia	Mild
		Leukemia Mononuclear	
Heart		Cardiomyopathy	Minimal
Kidney		Leukemia Mononuclear	
Liver		Leukemia Mononuclear	
		Necrosis	Acute, Multifocal, Minimal
Note: LEUKEMIA MONUC TGLs = 3-3,			
Lung	Alveolar Epith	Hyperplasia	Focal, Minimal
	Bronchiole	Hyperplasia	Focal, Minimal
		Leukemia Mononuclear	
Lymph Node	Pancreatic	Hemorrhage	Moderate
	Mesenteric	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
Pituitary Gland	Pars Distalis	Cyst	Multiple, Mild
	Pars Distalis	Hyperplasia	Focal, Mild
		Leukemia Mononuclear	
Spleen		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 1-3,			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 3	**TRT#:** 1	**SEX:** Female	**DAY ON TEST:** 727
	DOSE: CONTROL	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Esophagus	Intestine Large - Cecum	Intestine Large - Colon	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Larynx
Lung	Lymph Node - Mandibular	Nose	Ovary
Pancreas	Parathyroid Gland	Salivary Glands	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus
Urinary Bladder	Uterus		

OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Multifocal, Mild
Clitoral Gland		Carcinoma	
Note: CARCINOMA TGLs = 2-13,			
Heart		Cardiomyopathy	Mild
Intestine Large	Rectum	Parasite Metazoan	
Kidney		Nephropathy	Chronic, Moderate
Liver		Basophilic Focus	Multiple
Lymph Node	Mesenteric	Hemorrhage	Acute, Minimal
Mammary Gland		Hyperplasia	Diffuse, Mild
Note: HYPERPLASIA TGLs = 1-8+9+13,			
Pituitary Gland	Pars Distalis	Cyst	Mild
Thyroid Gland	C Cell	Carcinoma	
Note: CARCINOMA TGLs = 3-2,			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 3	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 670
	DOSE: 5 PPM	**DISP:** Natural Death	**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	Islets, Pancreatic	Lymph Node - Mandibular	Nose
Ovary	Pancreas	Parathyroid Gland	Salivary Glands
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Thyroid Gland	Trachea	Urinary Bladder	Uterus

MISSING

Clitoral Gland	Thymus

AUTO PRECLUDES DIAG.

Intestine Small - Jejunum

OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Focal, Minimal
Bone		Osteopetrosis	Mild
Heart		Cardiomyopathy	Minimal
Kidney		Nephropathy	Chronic, Minimal
Larynx		Inflammation	Chronic, Minimal
Liver		Granuloma	Multifocal, Mild
Lung		Alveolar/Bronchiolar Carcinoma	Two
	Alveolar Epith	Hyperplasia	Multifocal, Mild
	Bronchiole	Hyperplasia	Multifocal, Mild
	Mediastinum, Pleura	Sarcoma	Metastatic (Uncertain Primary Site)
		Squamous Cell Carcinoma	
Note: SQUAM CEL CARC TGLs = 2-5			
Lymph Node	Mesenteric	Hemorrhage	Acute, Moderate
	Mediastinal, Serosa	Sarcoma	Metastatic (Uncertain Primary Site)
Note: HEMORRHAGE TGLs = 3-6			
Mammary Gland		Ectasia	Multifocal, Mild
Mesentery		Sarcoma	Metastatic (Uncertain Primary Site)
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA TGLs = 4-1			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 3	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 670
	DOSE: 5 PPM	**DISP:** Natural Death	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

Tissue NOS	Sarcoma	Metastatic (Uncertain Primary Site)
Note: PARIETAL PLEURA OF RIB CAGE		
Note: SARCOMA TGLs = 1-13		

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 3	**TRT#:** 3	**SEX:** Female	**DAY ON TEST:** 727
	DOSE: 2 PPM	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Brain	Esophagus
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Islets, Pancreatic	Larynx	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	

MISSING

Clitoral Gland	Intestine Small - Jejunum

OBSERVATIONS

Adrenal Gland	Cortex	Degeneration	Fatty, Focal, Moderate
Bone Marrow		Hyperplasia	Moderate
Clitoral Gl			
Note: CLITORAL GLANDS OBSCURED BY FIBROADENOMA			
Heart		Cardiomyopathy	Mild
Kidney	Prox Con Tub	Necrosis	Acute, Moderate
		Nephropathy	Chronic, Minimal
Liver		Basophilic Focus	Multiple
		Granuloma	Multifocal, Minimal
Lung	Alveolar Epith	Hyperplasia	Multifocal, Mild
	Bronchiole	Hyperplasia	Multifocal, Mild
Mammary Gland	Duct	Ectasia	Multifocal, Marked
		Fibroadenoma	
Note: FIBROADENOMA TGLs = 2-9+13,			
Pituitary Gland	Pars Distalis	Adenoma	Two
[Adenoma TGLS = 3-1,]			

PRIMARY CAUSE OF DEATH	-

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 4	**TRT#:** 1	**SEX:** Female	**DAY ON TEST:** 727
	DOSE: CONTROL	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Clitoral Gland
Esophagus	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Larynx	Lung	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

Adrenal Gland	Capsule	Accessory Adrenal Cortical Nodule	
	Cortex	Hypertrophy	Focal, Mild
Note: ACCESSORY NODULE APPEARS TO BE IN VESSEL !?			
Brain		Compression	
Heart		Cardiomyopathy	Mild
Kidney		Nephropathy	Chronic, Marked
Liver		Basophilic Focus	Multiple
Mammary Gland		Fibroadenoma	
Note: FIBROADENOMA TGLs = 1-13,			
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA TGLs = 2-1,			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 4	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 702
	DOSE: 5 PPM	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Clitoral Gland	Esophagus	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Larynx	Lymph Node - Mandibular	Pancreas	Pituitary Gland
Salivary Glands	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Thymus	Trachea	Urinary Bladder

MISSING

Parathyroid Gland

OBSERVATIONS

Adrenal Gland	Capsule	Accessory Adrenal Cortical Nodule	
	Cortex	Carcinoma	
	Cortex	Congestion	Moderate
Heart		Cardiomyopathy	Minimal
Islets, Pancreatic		Hyperplasia	Multifocal, Mild
Kidney		Nephropathy	Chronic, Minimal
Liver		Basophilic Focus	Multiple
Lung		Alveolar/Bronchiolar Carcinoma	Multiple
	Alveolar Epith	Hyperplasia	Multifocal, Marked
	Bronchiole	Hyperplasia	Multifocal, Marked
		Squamous Cell Carcinoma	
Note: A-B CARC. HAVE VARIED FORMS, INCLUDING SQUAMOUS			
Note: SQUAM CEL CARC TGLs = 4-13+14			
Note: ALV BRON CARC TGLs = 3-4+5			
Lymph Node	Mediastinal	Alveolar/Bronchiolar Carcinoma	Metastatic (Lung)
	Mesenteric	Hemorrhage	Acute, Moderate
Note: HEMORRHAGE TGLs = 5-6			
Mammary Gland		Ectasia	Multifocal, Moderate
		Fibroadenoma	
Note: FIBROADENOMA TGLs = 2-15			
Nose	Mucosa	Inflammation	Chronic Active, Moderate

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 4	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 702
	DOSE: 5 PPM	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

Ovary	Bilateral	Cyst	
Note: CYST TGLs = 6+7-9			
Thyroid Gland	C Cell	Hyperplasia	Multifocal, Mild
Uterus		Cyst	Moderate
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 4	**TRT#:** 3	**SEX:** Female	**DAY ON TEST:** 727
	DOSE: 2 PPM	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Brain	Clitoral Gland
Esophagus	Intestine Large - Cecum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose
Parathyroid Gland	Salivary Glands	Skin	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

OBSERVATIONS

Adrenal Gland	Cortex	Degeneration	Fatty, Focal, Moderate
	Cortex	Hypertrophy	Focal, Mild
Bone Marrow		Hyperplasia	Moderate
Heart		Cardiomyopathy	Mild
Intestine Large	Colon	Parasite Metazoan	
	Rectum	Parasite Metazoan	
Islets, Pancreatic		Hyperplasia	Focal, Moderate
Kidney		Nephropathy	Chronic, Moderate
Larynx		Inflammation	Acute, Mild
Liver	Centrilobular	Atrophy	Multifocal, Moderate
	Centrilobular	Congestion	Multifocal, Marked
	Bile Duct	Hyperplasia	Multifocal, Mild
		Hyperplasia	Nodular, Mild
		Mitotic Alteration	Mild
		Necrosis	Acute, Multifocal, Minimal
Note: HYPERPLASIA TGLs = 5-3,			
Note: ATROPHY TGLs = 5-3,			
Lung		Alveolar/Bronchiolar Adenoma	
	Alveolar Epith	Hyperplasia	Multifocal, Marked
	Bronchiole	Hyperplasia	Multifocal, Marked
		Leukemia Mononuclear	
Note: HYPERPLASIA TGLs = 4-4,			
Note: [ALV BRON ADEN] TGLs = 3-4			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 4	**TRT#:** 3	**SEX:** Female	**DAY ON TEST:** 727
	DOSE: 2 PPM	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

Mammary Gland		Fibroadenoma	
		Hyperplasia	Diffuse, Mild
Note: HYPERPLASIA TGLs = 1-7,			
Note: FIBROADENOMA TGLs = 2-13,			
Ovary		Cyst	
Pancreas	Acinus	Atrophy	Multifocal, Mild
Pituitary Gland	Pars Distalis	Angiectasis	Multifocal, Mild
[Angiectasis TGLS = 7-1,]			
Spleen		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 6-3,			
Uterus		Hyperplasia	Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 5	**TRT#:** 1	**SEX:** Female	**DAY ON TEST:** 510
	DOSE: CONTROL	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Clitoral Gland	Esophagus
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Larynx	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	Leukemia Mononuclear	
Bone Marrow		Leukemia Mononuclear	
Brain		Hemorrhage	Multifocal, Mild
		Leukemia Mononuclear	
Heart		Leukemia Mononuclear	
Intestine Large	Cecum	Parasite Metazoan	
Kidney		Nephropathy	Chronic, Mild
		Pigmentation	Diffuse, Moderate
Note: PIGMENT TGLs = 4-7			
Liver	Centrilobular	Atrophy	Diffuse, Mild
		Fatty Change	Diffuse, Moderate
		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 3-3			
Lung		Leukemia Mononuclear	
Lymph Node	Mandibular	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
Pituitary Gland		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 5-1			
Spleen		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 5	**TRT#:** 1	**SEX:** Female	**DAY ON TEST:** 510
	DOSE: CONTROL	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

Note: LEUKEMIA MONUC TGLs = 2-3

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 5	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 696
	DOSE: 5 PPM	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Clitoral Gland	Esophagus
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Larynx
Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland	Ovary
Pancreas	Parathyroid Gland	Salivary Glands	Skin
Spleen	Stomach - Glandular	Thymus	Urinary Bladder

OBSERVATIONS

Adrenal Gland	Cortex	Alveolar/Bronchiolar Carcinoma	Metastatic (Lung)
	Cortex	Degeneration	Fatty, Focal, Marked
Bone Marrow		Hyperplasia	Moderate
Brain		Compression	
		Hydrocephalus	Mild
Heart		Cardiomyopathy	Minimal
Kidney	Epithelium, Pelvis	Mineralization	Mild
		Nephropathy	Chronic, Marked
Liver		Fatty Change	Multifocal, Mild
		Hepatocellular Carcinoma	
Note: HEPATOCLR CARC TGLs = 3-3+15,			
Lung		Alveolar/Bronchiolar Carcinoma	Multiple
	Alveolar Epith	Hyperplasia	Multifocal, Marked
	Bronchiole	Hyperplasia	Multifocal, Marked
		Squamous Cell Carcinoma	
Note: MORE THAN FIVE SITES OF A-B CARC.			
Note: ALV BRON CARC TGLs = 1-4+5,			
Note: SQUAM CEL CARC TGLs = 2-4+13+14,			
Note: SOME A-B CARC. HAVE SQUAMOUS COMPONENT			
Lymph Node	Pancreatic	Hemorrhage	Marked
Nose	Respirat Epith	Hyperplasia	Mild
	Mucosa	Inflammation	Suppurative, Chronic Active, Marked
Pituitary Gland	Pars Distalis	Adenoma	

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 5	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 696
	DOSE: 5 PPM	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

Note: ADENOMA TGLs = 4-4,			
Stomach	Forestomach	Edema	Moderate
Thyroid Gland	C Cell	Adenoma	
Trachea		Inflammation	Chronic, Mild
Uterus		Cyst	Marked
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 5	**TRT#:** 3	**SEX:** Female	**DAY ON TEST:** 559
	DOSE: 2 PPM	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Brain		Compression	
		Hydrocephalus	Marked
Clitoral Gland		Adenoma	
Kidney		Nephropathy	Chronic, Marked
Larynx		Inflammation	Acute, Minimal
Liver		Angiectasis	Focal, Mild
		Basophilic Focus	Two
		Granuloma	Multifocal, Minimal
Note: ANGIECTASIS TGLs = 4-1			
Lung	Alveolar Epith	Hyperplasia	Multifocal, Moderate
	Bronchiole	Hyperplasia	Multifocal, Moderate
Lymph Node	Mediastinal	Hemorrhage	Moderate
Mammary Gland		Hyperplasia	Multifocal, Mild
Note: HYPERPLASIA TGLs = 1-13+8			
Mesentery	Fat	Necrosis	Focal, Moderate
Note: NECROSIS TGLs = 2-13			
Nose	Nasolacrim Dct	Inflammation	Chronic, Minimal
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA TGLs = 5+6-1			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 6	**TRT#:** 1	**SEX:** Female	**DAY ON TEST:** 727
	DOSE: CONTROL	**DISP:** Terminal Sacrifice	**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	Larynx	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		Osteopetrosis	Marked
Bone Marrow		Hyperplasia	Moderate
Heart		Cardiomyopathy	Moderate
Kidney	Prox Con Tub	Necrosis	Acute, Marked
		Nephropathy	Chronic, Mild
Liver	Centrilobular	Atrophy	Multifocal, Marked
		Hepatocellular Adenoma	
	Bile Duct	Hyperplasia	Multifocal, Moderate
		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 2-3,			
Note: [HEPATOCLR ADEN] TGLs = 4-3			
Lung		Leukemia Mononuclear	
Lymph Node	Mandibular	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
		Leukemia Mononuclear	
Note: UNSPECIFIED LYMPH NODE IS HEPATIC NODE			
Note: LEUKEMIA MONUC TGLs = 3-13,			
Mammary Gland		Ectasia	Multifocal, Minimal
		Hyperplasia	Multifocal, Moderate
Nose	Respirat Epith	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 6	**TRT#:** 1	**SEX:** Female	**DAY ON TEST:** 727
	DOSE: CONTROL	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

	Mucosa	Inflammation	Chronic Active, Moderate
	Olfactory Epi	Metaplasia	Squamous, Mild
Pancreas	Acinus	Atrophy	Multifocal, Mild
Pituitary Gland	Pars Distalis	Cyst	Moderate
	Pars Distalis	Hyperplasia	Multifocal, Mild
		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 5-1,			
[Cyst TGLS = 6-1,]			
[Hyperplasia TGLS = 5-1,]			
Spleen		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 1-3,			
Thyroid Gland	C Cell	Hyperplasia	Multifocal, Marked
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 6	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 658
	DOSE: 5 PPM	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Brain	Clitoral Gland	Esophagus
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lymph Node - Mandibular
Lymph Node - Mesenteric	Parathyroid Gland	Salivary Glands	Skin
Stomach - Forestomach	Stomach - Glandular	Thymus	Trachea
Urinary Bladder	Uterus		

OBSERVATIONS

Adrenal Gland	Cortex, Medulla	Alveolar/Bronchiolar Carcinoma	Metastatic (Lung)
Note: ALV BRON CARC TGLs = 5-7+13,			
Bone Marrow		Hyperplasia	Moderate
Heart		Cardiomyopathy	Moderate
	Mitral Valve	Degeneration	Mucoid, Moderate
Kidney		Alveolar/Bronchiolar Carcinoma	Metastatic (Lung), Multiple (Lung)
		Infarct	Moderate
		Osteosarcoma	Metastatic (Uncertain Primary Site)
Note: ALV BRON CARC TGLs = 4-7+13,			
Larynx		Inflammation	Chronic Active, Mild
Liver		Basophilic Focus	Multiple
		Granuloma	Multifocal, Minimal
Lung		Alveolar/Bronchiolar Carcinoma	Multiple
	Alveolar Epith	Hyperplasia	Multifocal, Marked
	Bronchiole	Hyperplasia	Multifocal, Marked
		Osteosarcoma	Metastatic (Uncertain Primary Site)
Note: MORE THAN 5 SITES OF A-B CARC.			
Note: ALV BRON CARC TGLs = 3-4+5+16+17,			
Note: OSTEOSARC TGLs = 3-4,			
Note: UNCERTAIN WHETHER PRIMARY OR METASTAIC			
Note: A-B CARC. HAVE VARIED FORMS AND OSTEOPLASIA			
Lymph Node	Mediastinal	Alveolar/Bronchiolar Carcinoma	Metastatic (Lung)
Mammary Gland		Ectasia	Multifocal, Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 6	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 658
	DOSE: 5 PPM	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

Nose	Mucosa	Inflammation	Chronic Active, Mild
Ovary		Alveolar/Bronchiolar Carcinoma	Metastatic (Lung)
Note: ALV BRON CARC TGLs = 6-9+14+15,			
Pancreas		Alveolar/Bronchiolar Carcinoma	Metastatic (Lung)
Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Alveolar/Bronchiolar Carcinoma	Metastatic (Lung)
Spleen		Hematopoietic Cell Proliferation	Mild
Thyroid Gland	C Cell	Hyperplasia	Multifocal, Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 6	**TRT#:** 3	**SEX:** Female	**DAY ON TEST:** 727
	DOSE: 2 PPM	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Clitoral Gland	Esophagus	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Larynx	Lymph Node - Mandibular
Mammary Gland	Ovary	Pancreas	Parathyroid Gland
Salivary Glands	Skin	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder
Uterus			

OBSERVATIONS

Adrenal Gland	Cortex	Degeneration	Fatty, Multifocal, Mild
	Cortex	Hyperplasia	Focal, Minimal
	Cortex	Hypertrophy	Focal, Mild
Heart		Cardiomyopathy	Mild
Intestine Large	Cecum	Parasite Metazoan	
	Colon	Parasite Metazoan	
	Rectum	Parasite Metazoan	
Kidney		Nephropathy	Chronic, Moderate
Liver		Basophilic Focus	Multiple
		Granuloma	Multifocal, Minimal
		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Multifocal, Minimal
Note: ANOM HEPAT LOB TGLs = 2-13,			
Lung		Alveolar/Bronchiolar Carcinoma	
	Alveolar Epith	Hyperplasia	Multifocal, Marked
	Bronchiole	Hyperplasia	Multifocal, Marked
Note: ALV BRON CARC TGLs = 1-4,			
Lymph Node	Mesenteric	Hemorrhage	Acute, Mild
Nose	Mucosa	Inflammation	Chronic, Mild
Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Cyst	Moderate
[Adenoma TGLS = 3-1+1.1,]			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 6	**TRT#:** 3	**SEX:** Female	**DAY ON TEST:** 727
	DOSE: 2 PPM	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

[Cyst TGLS = 3-1+1.1,]			
Spleen		Pigmentation	Hemosiderin, Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 7	**TRT#:** 1	**SEX:** Female	**DAY ON TEST:** 602
	DOSE: CONTROL	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Clitoral Gland
Esophagus	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Islets, Pancreatic	Lung
Lymph Node - Mesenteric	Ovary	Parathyroid Gland	Salivary Glands
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Thymus	Urinary Bladder	Uterus	

AUTO PRECLUDES DIAG.

Intestine Small - Jejunum

OBSERVATIONS

Adrenal Gland	Cortex	Hypertrophy	Focal, Mild
Brain		Compression	
		Hydrocephalus	Mild
Eye		Cataract	Moderate
	Retina	Degeneration	Marked
	Postr Chamber	Synechia	Marked
Note: CATARACT TGLs = 1-13			
Heart		Cardiomyopathy	Mild
Kidney		Nephropathy	Chronic, Marked
Lacrimal Gland		Inflammation	Chronic, Mild
		Pigmentation	Marked
Larynx		Inflammation	Chronic Active, Mild
Liver		Angiectasis	Focal, Mild
		Fatty Change	Multifocal, Mild
		Granuloma	Multifocal, Mild
	Bile Duct	Hyperplasia	Multifocal, Mild
Lymph Node	Mandibular	Hyperplasia	Lymphoid, Mild
Mammary Gland		Ectasia	Diffuse, Marked
Nose	Nasolacrim Dct	Inflammation	Chronic, Moderate
Pancreas	Acinus	Atrophy	Multifocal, Mild
Pituitary Gland	Pars Distalis	Adenoma	

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 7	**TRT#:** 1	**SEX:** Female	**DAY ON TEST:** 602
	DOSE: CONTROL	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

Note: ADENOMA TGLs = 2-1			
Thyroid Gland	C Cell	Hyperplasia	Focal, Moderate
Trachea		Inflammation	Chronic, Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 7	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 570
	DOSE: 5 PPM	**DISP:** Natural Death	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Brain	Clitoral Gland
Esophagus	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Islets, Pancreatic	Larynx	Liver
Lymph Node - Mandibular	Mammary Gland	Ovary	Parathyroid Gland
Salivary Glands	Spleen	Stomach - Forestomach	Stomach - Glandular
Thyroid Gland	Urinary Bladder	Uterus	

MISSING

Thymus

AUTO PRECLUDES DIAG.

Intestine Large - Cecum Intestine Small - Jejunum

OBSERVATIONS

Adrenal Gland	Cortex	Degeneration	Fatty, Multifocal, Minimal
Bone Marrow		Hyperplasia	Moderate
Heart		Cardiomyopathy	Mild
Kidney		Nephropathy	Chronic, Marked
Lung		Alveolar/Bronchiolar Carcinoma	
	Alveolar Epith	Hyperplasia	Multifocal, Marked
	Bronchiole	Hyperplasia	Multifocal, Marked
	Alveolus, Bronchiole	Inflammation	Suppurative, Acute, Multifocal, Moderate
Note: HYPERPLASIA TGLs = 3-4			
Note: INFLAMMATION TGLs = 3-4			
Note: ALV BRON CARC TGLs = 2-5			
Lymph Node	Mediastinal	Hemorrhage	Marked
	Mesenteric	Hyperplasia	Reticulum Cell, Moderate
Nose	Respirat Epith	Hyperplasia	Mild
	Mucosa	Inflammation	Suppurative, Chronic Active, Marked
Pancreas	Artery	Inflammation	Chronic Active, Multifocal, Moderate
Pituitary Gland	Pars Distalis	Angiectasis	Focal, Moderate
	Pars Distalis	Hyperplasia	Focal, Mild
[Angiectasis TGLS = 4-1]			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 7	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 570
	DOSE: 5 PPM	**DISP:** Natural Death	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

[Hyperplasia TGLS = 4-1]			
Skin		Squamous Cell Papilloma	
Note: PAPILLOMA SQUA TGLs = 1-8			
Trachea		Inflammation	Chronic Active, Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 7	**TRT#:** 3	**SEX:** Female	**DAY ON TEST:** 727
	DOSE: 2 PPM	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Clitoral Gland	Esophagus	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Larynx	Lymph Node - Mandibular
Lymph Node - Mesenteric	Nose	Ovary	Parathyroid Gland
Salivary Glands	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Thymus	Trachea	Urinary Bladder

OBSERVATIONS

Heart		Cardiomyopathy	Mild
Kidney		Nephropathy	Chronic, Moderate
Liver		Basophilic Focus	Multiple
		Granuloma	Multifocal, Mild
Lung		Alveolar/Bronchiolar Carcinoma	Two
	Alveolar Epith	Hyperplasia	Multifocal, Moderate
	Bronchiole	Hyperplasia	Multifocal, Moderate
Note: HYPERPLASIA TGLs = 3-5,			
Note: ALV BRON CARC TGLs = 4-5,			
Note: ALV BRON CARC TGLs = 2-4+4.1,			
Mammary Gland		Ectasia	Multifocal, Mild
Note: ECTASIA TGLs = 1-8,			
Pancreas	Acinus	Atrophy	Multifocal, Mild
Pituitary Gland	Pars Distalis	Cyst	Moderate
Thyroid Gland	C Cell	Hyperplasia	Multifocal, Mild
Uterus		Hyperplasia	Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 8	**TRT#:** 1	**SEX:** Female	**DAY ON TEST:** 727
	DOSE: CONTROL	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Clitoral Gland	Esophagus	Intestine Large - Cecum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Larynx	Lung
Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose	Ovary
Pancreas	Parathyroid Gland	Salivary Glands	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus
Trachea	Urinary Bladder	Uterus	

OBSERVATIONS

Adrenal Gland	Cortex	Degeneration	Fatty, Multifocal, Moderate
	Cortex	Hyperplasia	Multifocal, Minimal
Heart		Cardiomyopathy	Mild
Intestine Large	Colon	Parasite Metazoan	
	Rectum	Parasite Metazoan	
Islets, Pancreatic		Hyperplasia	Focal, Mild
Kidney		Nephropathy	Chronic, Marked
Liver		Basophilic Focus	Multiple
		Fatty Change	Focal, Mild
		Granuloma	Multifocal, Minimal
		Hepatodiaphragmatic Nodule	
Note: ANOM HEPAT LOB TGLs = 3-13,			
Mammary Gland		Fibroadenoma	
		Hyperplasia	Multifocal, Mild
Note: HYPERPLASIA TGLs = 1-8,			
Note: FIBROADENOMA TGLs = 2-14,			
Pituitary Gland	Pars Distalis	Adenoma	
Thyroid Gland	C Cell	Hyperplasia	Multifocal, Marked

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 8	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 512
	DOSE: 5 PPM	**DISP:** Natural Death	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Brain	Clitoral Gland
Esophagus	Intestine Large - Cecum	Intestine Small - Duodenum	Islets, Pancreatic
Larynx	Ovary	Pancreas	Parathyroid Gland
Salivary Glands	Skin	Stomach - Forestomach	Stomach - Glandular
Thyroid Gland	Urinary Bladder		

MISSING

Thymus

AUTO PRECLUDES DIAG.

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

OBSERVATIONS

Adrenal Gland	Cortex	Degeneration	Fatty, Diffuse, Mild
Bone Marrow		Hyperplasia	Mild
Heart		Alveolar/Bronchiolar Carcinoma	Metastatic (Lung)
		Cardiomyopathy	Mild
Kidney		Nephropathy	Chronic, Minimal
Liver	Centrilobular	Atrophy	Multifocal, Mild
	Centrilobular	Fatty Change	Diffuse, Marked
Lung		Alveolar/Bronchiolar Carcinoma	Multiple
	Alveolar Epith	Hyperplasia	Multifocal, Mild
	Bronchiole	Hyperplasia	Multifocal, Mild
		Squamous Cell Carcinoma	
Note: LARGE A-B CARC. CONTAINS OSTEROID			
Note: MORE THAN 5 SITES OF A-B CARCINOMA			
Note: ALV BRON CARC TGLs = 3-13			
Lymph Node	Mandibular	Hyperplasia	Lymphoid, Moderate
	Mesenteric	Hyperplasia	Reticulum Cell, Mild
Mammary Gland		Galactocele	
Note: GALACTOCELE TGLs = 2-13			
Nose	Mucosa	Inflammation	Suppurative, Chronic Active, Moderate
	Nasolacrim Dct	Inflammation	Chronic Active, Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 8	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 512
	DOSE: 5 PPM	**DISP:** Natural Death	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-1]			
Spleen		Hematopoietic Cell Proliferation	Marked
Trachea		Inflammation	Chronic, Mild
Uterus		Polyp Stromal	
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 8	**TRT#:** 3	**SEX:** Female	**DAY ON TEST:** 619
	DOSE: 2 PPM	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Clitoral Gland	Esophagus	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	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			
Note: RIBS INSTEAD OF FEMUR			
Heart		Leukemia Mononuclear	
Kidney		Nephropathy	Chronic, Mild
		Pigmentation	Diffuse, Mild
Note: PIGMENT TGLs = 7-7			
Larynx		Inflammation	Chronic Active, Mild
Liver		Fatty Change	Multifocal, Marked
		Leukemia Mononuclear	
		Mitotic Alteration	Mild
[Mitotic Alteration TGLS = 6-3]			
Lung		Leukemia Mononuclear	
Mammary Gland		Fibroadenoma	
Note: FIBROADENOMA TGLs = 3-13			
Mesentery	Fat	Necrosis	Focal, Marked
Note: NECROSIS TGLs = 4-7			
Pituitary Gland		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 8-1			
Spleen		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 5-3			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 9	**TRT#:** 1	**SEX:** Female	**DAY ON TEST:** 727
	DOSE: CONTROL	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone	Brain	Clitoral Gland
Esophagus	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Lung	Ovary	Pancreas	Parathyroid Gland
Skin	Stomach - Forestomach	Stomach - Glandular	Thymus
Trachea	Urinary Bladder		

MISSING

Adrenal Gland - Medulla	Lymph Node - Mesenteric

OBSERVATIONS

Bone Marrow		Hyperplasia	Mild
Heart		Cardiomyopathy	Mild
Kidney	Epithelium, Pelvis	Hyperplasia	Mild
		Nephropathy	Chronic, Moderate
Larynx		Inflammation	Chronic, Mild
Liver		Fatty Change	Focal, Marked
		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Multifocal, Minimal
		Leukemia Mononuclear	
Note: ANOM HEPAT LOB TGLs = 2-13,			
Lymph Node	Mandibular	Inflammation	Chronic Active, Mild
Mammary Gland		Ectasia	Multifocal, Mild
Note: ECTASIA TGLs = 1-8,			
Nose	Mucosa	Inflammation	Chronic Active, Moderate
Pituitary Gland	Pars Distalis	Angiectasis	Multifocal, Marked
[Angiectasis TGLS = 5-1,]			
Salivary Glands		Leukemia Mononuclear	
Spleen		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 6-3,			
Thyroid Gland	C Cell	Adenoma	
	C Cell	Hyperplasia	Multifocal, Moderate

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 9	**TRT#:** 1	**SEX:** Female	**DAY ON TEST:** 727
	DOSE: CONTROL	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

Uterus	Cervix	Dilatation	Moderate
Note: DILATATION TGLs = 4-14,			

PRIMARY CAUSE OF DEATH	-

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 9	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 721
	DOSE: 5 PPM	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Brain	Esophagus	Larynx
Parathyroid Gland	Skin	Stomach - Forestomach	Stomach - Glandular
Trachea			

MISSING

Adrenal Gland - Medulla	Clitoral Gland

INSUFFICIENT TISSUE

Blood

OBSERVATIONS

Adrenal Gland	Cortex	Degeneration	Fatty, Focal, Minimal
	Capsule	Leukemia	
Bone Marrow		Leukemia	
Heart		Leukemia	
Note: LEUKEMIA TGLs = 5-2,			
Intestine Large	Cecum	Leukemia	
	Colon	Leukemia	
	Rectum	Leukemia	
Intestine Small	Duodenum	Leukemia	
	Ileum	Leukemia	
	Jejunum	Leukemia	
Islets, Pancreatic		Atrophy	Diffuse, Marked
Kidney		Leukemia	
Note: LEUKEMIA TGLs = 10-7,			
Liver		Basophilic Focus	Two
	Serosa	Inflammation	Proliferative, Multifocal, Marked
		Leukemia	
Note: INFLAMMATION TGLs = 9-3,			
Lung		Alveolar/Bronchiolar Carcinoma	Multiple
	Alveolar Epith	Hyperplasia	Multifocal, Marked
	Bronchiole	Hyperplasia	Multifocal, Marked
	Mediastinum	Leukemia	

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 9	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 721
	DOSE: 5 PPM	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

		Leukemia	
Note: ALV BRON CARC TGLs = 3+4-4+5,			
Note: THERE ARE 9 SITES OF A-B CARCINOMA, SOME MAY BE METASTASES.			
Note: HYPERPLASIA TGLs = 3-4+5,			
Lymph Node	Mandibular	Leukemia	
	Mesenteric	Leukemia	
Note: LEUKEMIA TGLs = 8-6,			
Mammary Gland		Ectasia	Multifocal, Marked
		Fibroadenoma	Two
Note: ECTASIA TGLs = 1-13,			
Note: FIBROADENOMA TGLs = 1-13,			
Note: ECTASIA TGLs = 2-14,			
Note: FIBROADENOMA TGLs = 2-14,			
Mesentery		Leukemia	Multifocal
Nose	Respirat Epith	Hyperplasia	Minimal
	Mucosa	Inflammation	Suppurative, Chronic Active, Marked
Ovary		Leukemia	
Pancreas	Acinus	Atrophy	Diffuse, Marked
		Leukemia	
Note: LEUKEMIA TGLs = 7-6,			
Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 11-1,]			
Salivary Glands		Leukemia	
Spleen		Leukemia	
Note: LEUKEMIA TGLs = 6-3,			
Thymus		Leukemia	
Thyroid Gland	C Cell	Hyperplasia	Multifocal, Minimal
Urinary Bladder		Leukemia	
Uterus		Leukemia	
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 9	**TRT#:** 3	**SEX:** Female	**DAY ON TEST:** 727
	DOSE: 2 PPM	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Clitoral Gland	Esophagus
Intestine Large - Cecum	Intestine Large - Colon	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Lymph Node - Mandibular	Lymph Node - Mesenteric
Ovary	Parathyroid Gland	Salivary Glands	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus
Trachea	Urinary Bladder		

MISSING

Intestine Large - Rectum

OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Multifocal, Mild
Bone Marrow		Hyperplasia	Moderate
Brain		Compression	
Heart		Cardiomyopathy	Minimal
Islets Panc			
Kidney		Nephropathy	Chronic, Marked
Larynx		Inflammation	Chronic Active, Mild
Liver		Basophilic Focus	Multiple
	Periportal	Cytomegaly	Diffuse, Mild
		Cytoplasmic Alteration	Focal, Mild
	Periportal	Fatty Change	Multifocal, Mild
		Granuloma	Multifocal, Mild
Note: FATTY CHANGE TGLs = 2-3,			
Lung		Alveolar/Bronchiolar Carcinoma	Two
	Alveolar Epith	Hyperplasia	Multifocal, Marked
	Bronchiole	Hyperplasia	Multifocal, Marked
Note: ALV BRON CARC TGLs = 10-4,			
Note: ALV BRON CARC TGLs = 5-5,			
Note: HYPERPLASIA TGLs = 4+5-4+5,			
Mammary Gland		Ectasia	Multifocal, Moderate
		Fibroadenoma	

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 9	**TRT#:** 3	**SEX:** Female	**DAY ON TEST:** 727
	DOSE: 2 PPM	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

Note: FIBROADENOMA TGLs = 1-14,			
Mesentery	Fat	Necrosis	Multifocal, Moderate
Note: NECROSIS TGLs = 6+7-13,			
Nose	Mucosa	Inflammation	Chronic Active, Minimal
Pancreas	Acinus	Atrophy	Multifocal, Moderate
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA TGLs = 8+9-1,			
Thyroid Gland	C Cell	Hyperplasia	Focal, Moderate
Uterus		Inflammation	Suppurative, Acute, Mild
		Polyp Stromal	

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 10	**TRT#:** 1	**SEX:** Female	**DAY ON TEST:** 727
	DOSE: CONTROL	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Clitoral Gland	Esophagus	Intestine Large - Colon	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Larynx
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose
Ovary	Pancreas	Parathyroid Gland	Salivary Glands
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Thymus	Trachea		

OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Focal, Mild
Heart		Cardiomyopathy	Minimal
Intestine Large	Cecum	Parasite Metazoan	
	Rectum	Parasite Metazoan	
Kidney		Nephropathy	Chronic, Marked
Note: NEPHROPATHY TGLs = 3-7,			
Liver		Mixed Cell Focus	Multiple
		Vacuolization Cytoplasmic	Multifocal, Mild
Mammary Gland		Ectasia	Multifocal, Mild
Note: ECTASIA TGLs = 1-8+8.1+9,			
Pituitary Gland	Pars Distalis	Adenoma	
Thyroid Gland	C Cell	Carcinoma	
	C Cell	Hyperplasia	Multifocal, Mild
Note: CARCINOMA TGLs = 2-2.1,			
Urinary Bladder	Transit Epithe	Hyperplasia	Focal, Moderate
Uterus		Polyp Stromal	
Note: POLYP STROMAL TGLs = 4-10,			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 10	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 590
	DOSE: 5 PPM	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Clitoral Gland	Esophagus	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Larynx	Ovary
Pancreas	Parathyroid Gland	Salivary Glands	Stomach - Forestomach
Stomach - Glandular	Thymus	Trachea	Urinary Bladder
Uterus			

OBSERVATIONS

Adrenal Gland	Cortex	Degeneration	Fatty, Diffuse, Mild
Bone			
Note: BONE IS STERNUM RATHER THAN FEMUR			
Kidney		Alveolar/Bronchiolar Carcinoma	Metastatic (Lung)
		Nephropathy	Chronic, Mild
Liver		Fatty Change	Multifocal, Moderate
		Hemorrhage	Acute, Multifocal, Marked
Note: HEMORRHAGE TGLs = 5-6,			
Lung		Alveolar/Bronchiolar Carcinoma	Multiple
	Alveolar Epith	Hyperplasia	Multifocal, Marked
	Bronchiole	Hyperplasia	Multifocal, Marked
Note: RIGHT A-B CARC VERY LARGE AND VERY ANAPLASTIC			
Note: ALV BRON CARC TGLs = 2-14,			
Note: HYPERPLASIA TGLs = 4-4+5,			
Note: ALV BRON CARC TGLs = 4-5,			
Lymph Node	Mediastinal	Alveolar/Bronchiolar Carcinoma	Metastatic (Lung)
	Mesenteric	Hemorrhage	Acute, Moderate
	Mandibular	Inflammation	Chronic Active, Moderate
Note: ALV BRON CARC TGLs = 3-10,			
Mammary Gland		Ectasia	Diffuse, Mild
Note: ECTASIA TGLs = 1-2+3,			
Nose	Mucosa	Inflammation	Acute, Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 10	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 590
	DOSE: 5 PPM	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Angiectasis	Multifocal, Marked
[Adenoma TGLS = 6-1,]			
[Angiectasis TGLS = 6-1,]			
Skin		Cyst Epithelial Inclusion	Marked
Note: CYST EPITH INC TGLs = 7-15,			
Spleen		Hematopoietic Cell Proliferation	Moderate
		Pigmentation	Hemosiderin, Moderate
Thyroid Gland	C Cell	Hyperplasia	Multifocal, Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 10	**TRT#:** 3	**SEX:** Female	**DAY ON TEST:** 706
	DOSE: 2 PPM	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Esophagus
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Larynx
Lymph Node - Mandibular	Lymph Node - Mesenteric	Ovary	Parathyroid Gland
Salivary Glands	Skin	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

MISSING

Clitoral Gland

OBSERVATIONS

Adrenal Gland	Cortex	Degeneration	Fatty, Focal, Minimal
Brain		Compression	
Clitoral Gl			
Note: CLITORAL GLANDS CAME OUT OF BLOCK - COULD NOT RELOCATE			
Heart	Artery	Amyloid Deposition	Multifocal, Moderate
		Cardiomyopathy	Mild
Kidney		Nephropathy	Chronic, Mild
Liver		Basophilic Focus	Multiple
		Fibrosis	Multifocal, Minimal
		Granuloma	Multifocal, Mild
		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Multifocal, Mild
Note: ANOM HEPAT LOB TGLs = 2-3,			
Lung		Alveolar/Bronchiolar Carcinoma	
	Alveolar Epith	Hyperplasia	Multifocal, Moderate
	Bronchiole	Hyperplasia	Multifocal, Moderate
Note: ALV BRON CARC TGLs = 1-4,			
Mammary Gland		Ectasia	Multifocal, Mild
Nose	Nasolacrim Dct	Inflammation	Chronic, Minimal
Pancreas	Acinus	Hyperplasia	Focal, Mild
Pituitary Gland	Pars Distalis	Adenoma	

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 10	**TRT#:** 3	**SEX:** Female	**DAY ON TEST:** 706
	DOSE: 2 PPM	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

Note: ADENOMA TGLs = 3-1,			
Spleen		Pigmentation	Hemosiderin, Mild
Stomach	Forestomach	Inflammation	Chronic Active, Moderate
	Glandular	Inflammation	Chronic Active, Mild
	Forestomach	Ulcer	Single, Minimal
Uterus		Polyp Stromal	
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 11	**TRT#:** 1	**SEX:** Female	**DAY ON TEST:** 728
	DOSE: CONTROL	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Bone Marrow	Brain	Esophagus
Intestine Large - Cecum	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Larynx	Lung
Lymph Node - Mandibular	Nose	Ovary	Parathyroid Gland
Salivary Glands	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

OBSERVATIONS

Adrenal Gland	Cortex	Degeneration	Fatty, Focal, Mild
	Medulla	Pheochromocytoma Benign	
Clitoral Gland		Adenoma	
Note: [ADENOMA] TGLs = 1-13			
Heart		Cardiomyopathy	Mild
Intestine Large	Colon	Parasite Metazoan	
Kidney		Nephropathy	Chronic, Mild
Liver		Basophilic Focus	Multiple
Lymph Node	Mesenteric	Hyperplasia	Lymphoid, Mild
Mammary Gland		Fibroadenoma	
		Hyperplasia	Diffuse, Minimal
Note: HYPERPLASIA TGLs = 3-8,			
Note: FIBROADENOMA TGLs = 2-13+14,			
Pancreas	Acinus	Atrophy	Diffuse, Marked
Note: ATROPHY TGLs = 4-6,			
Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 6-1,]			
Uterus		Polyp Stromal	
Note: POLYP STROMAL TGLs = 5-10,			

PRIMARY CAUSE OF DEATH	-

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 11	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 728
	DOSE: 5 PPM	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone	Bone Marrow	Brain
Clitoral Gland	Esophagus	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Larynx	Lymph Node - Mandibular	Lymph Node - Mesenteric
Mammary Gland	Ovary	Pancreas	Parathyroid Gland
Salivary Glands	Skin	Stomach - Forestomach	Stomach - Glandular
Thymus	Trachea	Urinary Bladder	

OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Benign	
Note: PHEOCHROM BGN TGLs = 4-7,			
Heart		Cardiomyopathy	Moderate
Kidney		Nephropathy	Chronic, Moderate
Liver		Basophilic Focus	Multiple
		Granuloma	Multifocal, Mild
Lung		Alveolar/Bronchiolar Carcinoma	Multiple
	Alveolar Epith	Hyperplasia	Multifocal, Marked
	Bronchiole	Hyperplasia	Multifocal, Marked
Note: MORE THAN 5 SITES OF A-B CARCINOMA			
Note: ALV BRON CARC TGLs = 1-4+15+13			
Note: HYPERPLASIA TGLs = 1-4+5,			
Nose	Respirat Epith	Hyperplasia	Minimal
	Mucosa	Inflammation	Chronic Active, Mild
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA TGLs = 3-1,			
Spleen		Pigmentation	Hemosiderin, Mild
Thyroid Gland	C Cell	Hyperplasia	Multifocal, Moderate
Uterus		Dilatation	Moderate
Note: DILATATION TGLs = 2-10,			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 11	**TRT#:** 3	**SEX:** Female	**DAY ON TEST:** 728
	DOSE: 2 PPM	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Brain	Esophagus
Intestine Large - Cecum	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Larynx	Lymph Node - Mandibular
Lymph Node - Mesenteric	Mammary Gland	Ovary	Pancreas
Parathyroid Gland	Salivary Glands	Skin	Stomach - Forestomach
Stomach - Glandular	Thymus	Trachea	Urinary Bladder

OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Multifocal, Minimal
Bone Marrow		Hyperplasia	Mild
Clitoral Gland		Hyperplasia	Focal, Mild
Note: HYPERPLASIA TGLs = 1-9,			
Heart		Cardiomyopathy	Moderate
Intestine Large	Colon	Parasite Metazoan	
Kidney		Nephropathy	Chronic, Marked
Liver		Basophilic Focus	Multiple
		Granuloma	Multifocal, Minimal
Lung		Alveolar/Bronchiolar Carcinoma	Two
	Alveolar Epith	Hyperplasia	Multifocal, Marked
	Bronchiole	Hyperplasia	Multifocal, Marked
Note: ALV BRON CARC TGLs = 3-5,			
Note: ALV BRON CARC TGLs = 4-4,			
Note: HYPERPLASIA TGLs = 3-5,			
Nose	Mucosa	Inflammation	Chronic, Minimal
Pituitary Gland	Pars Distalis	Adenoma	
Note: [ADENOMA] TGLs = 6-1			
Spleen		Leukemia Mononuclear	
Thyroid Gland	C Cell	Hyperplasia	Multifocal, Minimal
Uterus	Bilateral	Polyp Stromal	
Note: POLYP STROMAL TGLs = 8-10,			
Note: POLYP STROMAL TGLs = 7-10,			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 11	**TRT#:** 3	**SEX:** Female	**DAY ON TEST:** 728
	DOSE: 2 PPM	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH	-

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 12	**TRT#:** 1	**SEX:** Female	**DAY ON TEST:** 590
	DOSE: CONTROL	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone	Brain	Esophagus
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Kidney	Larynx
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose
Ovary	Parathyroid Gland	Salivary Glands	Skin
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder	Uterus	

MISSING

Adrenal Gland - Medulla	Clitoral Gland

OBSERVATIONS

Bone Marrow		Hyperplasia	Moderate
Clitoral Gl			
Note: CLITORAL GLANDS OBSCURED BY FIBROADENOMA			
Heart		Cardiomyopathy	Minimal
Islets, Pancreatic		Hyperplasia	Multifocal, Mild
Liver		Basophilic Focus	Multiple
Mammary Gland		Fibroadenoma	
		Inflammation	Granulomatous, Multifocal, Mild
Note: FIBROADENOMA TGLs = 3-13			
Pancreas	Acinus	Atrophy	Multifocal, Mild
Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
Spleen		Congestion	Moderate
Note: CONGESTION TGLs = 1-3			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 12	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 717
	DOSE: 5 PPM	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Brain	Clitoral Gland
Esophagus	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Larynx	Lymph Node - Mandibular	Lymph Node - Mesenteric	Pancreas
Parathyroid Gland	Salivary Glands	Skin	Spleen
Stomach - Glandular	Thymus	Thyroid Gland	Trachea
Urinary Bladder	Uterus		

INSUFFICIENT TISSUE

Ovary

OBSERVATIONS

Adrenal Gland	Cortex	Adenoma	
Bone Marrow		Hyperplasia	Moderate
Heart		Cardiomyopathy	Minimal
Kidney		Nephropathy	Chronic, Minimal
		Pigmentation	Multifocal, Mild
Note: LARGER GLOBULES OF GOLDEN PIGMENT IN CORTICAL TUBULES			
Liver		Basophilic Focus	Two
Lung		Alveolar/Bronchiolar Carcinoma	Two
	Alveolar Epith	Hyperplasia	Multifocal, Mild
	Bronchiole	Hyperplasia	Multifocal, Mild
Note: ALV BRON CARC TGLs = 1-5,			
Note: L			
Note: LEFT A-B CARCINOMA IS HUGE, HAS PROMINENT			
Note: SQUAMOUS COMPONENT			
Note: ALV BRON CARC TGLs = 4-4,			
Note: ALV BRON CARC TGLs = 1-5+13			
Mammary Gland		Ectasia	Multifocal, Moderate
Nose	Respirat Epith	Hyperplasia	Mild
	Mucosa	Inflammation	Chronic Active, Moderate
Pituitary Gland	Pars Distalis	Angiectasis	Multifocal, Moderate

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 12	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 717
	DOSE: 5 PPM	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

[Angiectasis TGLS = 2-1,]			
Stomach	Epithelium, Forestomach	Hyperplasia	Focal, Moderate
	Forestomach	Hyperplasia	Basal Cell, Focal, Moderate
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 12	**TRT#:** 3	**SEX:** Female	**DAY ON TEST:** 728
	DOSE: 2 PPM	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Clitoral Gland	Esophagus	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Larynx	Lymph Node - Mandibular	Lymph Node - Mesenteric
Ovary	Parathyroid Gland	Salivary Glands	Skin
Stomach - Forestomach	Stomach - Glandular	Thymus	Trachea
Urinary Bladder			

OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Focal, Minimal
Eye		Cataract	Mild
	Retina	Degeneration	Marked
	Anterior	Synechia	Marked
Note: SYNECHIA TGLs = 2-13,			
Heart		Cardiomyopathy	Mild
Kidney		Nephropathy	Chronic, Marked
Liver		Basophilic Focus	Multiple
		Granuloma	Multifocal, Minimal
Lung	Alveolar Epith	Hyperplasia	Multifocal, Moderate
	Bronchiole	Hyperplasia	Multifocal, Moderate
Note: HYPERPLASIA TGLs = 1-5,			
Lymph Node	Pancreatic	Hemorrhage	Mild
Mammary Gland		Hyperplasia	Diffuse, Mild
Nose	Mucosa	Inflammation	Chronic Active, Mild
	Nasolacrim Dct	Inflammation	Chronic, Minimal
Pancreas	Acinus	Atrophy	Multifocal, Mild
Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Hyperplasia	Focal, Mild
Note: ADENOMA TGLs = 3-1,			
Spleen		Pigmentation	Hemosiderin, Mild
Thyroid Gland	C Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 12	**TRT#:** 3	**SEX:** Female	**DAY ON TEST:** 728
	DOSE: 2 PPM	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

Uterus		Polyp Stromal
PRIMARY CAUSE OF DEATH	-	

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 13	**TRT#:** 1	**SEX:** Female	**DAY ON TEST:** 659
	DOSE: CONTROL	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Clitoral Gland	Esophagus
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Larynx
Lymph Node - Mandibular	Mammary Gland	Ovary	Pancreas
Parathyroid Gland	Pituitary Gland	Salivary Glands	Skin
Thymus	Thyroid Gland	Trachea	Urinary Bladder
Uterus			

OBSERVATIONS

Adrenal Gland	Cortex	Degeneration	Fatty, Diffuse, Minimal
	Cortex	Degeneration	Fatty, Focal, Mild
Bone Marrow		Hyperplasia	Mild
Brain		Hemorrhage	Multifocal, Moderate
[Hemorrhage TGLS = 7-1,]			
Heart		Cardiomyopathy	Minimal
Kidney		Nephropathy	Chronic, Minimal
Liver		Fatty Change	Diffuse, Mild
		Leukemia Mononuclear	
		Necrosis	Acute, Multifocal, Mild
[Leukemia Mononuclear TGLS = 6-3,]			
Lung		Leukemia Mononuclear	
Lymph Node	Mesenteric	Leukemia Mononuclear	
Mesentery	Fat	Necrosis	Focal, Moderate
Note: NECROSIS TGLs = 5-13+2.1,			
Nose	Nasolacrim Dct	Inflammation	Chronic, Minimal
Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-3,]			
Stomach	Forestomach	Inflammation	Chronic Active, Mild
	Glandular	Inflammation	Chronic Active, Minimal

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 13	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 728
	DOSE: 5 PPM	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Esophagus	Intestine Large - Cecum
Intestine Large - Colon	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Larynx	Lymph Node - Mandibular	Lymph Node - Mesenteric
Nose	Ovary	Parathyroid Gland	Salivary Glands
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder

OBSERVATIONS

Adrenal Gland	Cortex	Degeneration	Fatty, Multifocal, Mild
Bone Marrow		Hyperplasia	Mild
Brain		Compression	
Clitoral Gland		Abscess	Marked
Note: ABSCESS TGLs = 1-13			
Heart		Cardiomyopathy	Minimal
Intestine Large	Rectum	Parasite Metazoan	
Kidney		Nephropathy	Chronic, Moderate
Liver		Basophilic Focus	
Lung		Alveolar/Bronchiolar Carcinoma	Multiple
	Alveolar Epith	Hyperplasia	Multifocal, Marked
	Bronchiole	Hyperplasia	Multifocal, Marked
Note: ALV BRON CARC TGLs = 2-4+5+14,			
Note: MORE THAN 5 SITES OF A-B CARC.			
Lymph Node	Mediastinal	Hemorrhage	Moderate
Mammary Gland		Hyperplasia	Diffuse, Minimal
Pancreas	Artery	Inflammation	Chronic Active, Focal, Marked
Note: INFLAMMATION IS PERIARTERITIS			
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA TGLs = 4-1,			
Uterus		Polyp Stromal	
Note: POLYP STROMAL TGLs = 5-10,			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 13	**TRT#:** 3	**SEX:** Female	**DAY ON TEST:** 587
	DOSE: 2 PPM	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone	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	Ovary
Pancreas	Salivary Glands	Skin	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Urinary Bladder
Uterus			

MISSING

Adrenal Gland - Medulla	Parathyroid Gland

OBSERVATIONS

Brain		Compression	
Kidney		Nephropathy	Chronic, Moderate
Larynx		Inflammation	Chronic Active, Mild
Liver		Basophilic Focus	Two
		Granuloma	Multifocal, Mild
Lung	Alveolar Epith	Hyperplasia	Focal, Moderate
Mammary Gland		Ectasia	Multifocal, Marked
Note: ECTASIA TGLs = 1-8			
Mesentery	Vein	Thrombosis	Moderate
Nose	Nasolacrim Dct	Inflammation	Chronic Active, Moderate
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA TGLs = 2-1			
Spleen		Pigmentation	Hemosiderin, Mild
Trachea		Inflammation	Acute, Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 14	**TRT#:** 1	**SEX:** Female	**DAY ON TEST:** 725
	DOSE: CONTROL	**DISP:** Natural Death	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone	Bone Marrow	Brain
Clitoral Gland	Esophagus	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Islets, Pancreatic	Larynx
Lung	Lymph Node - Mandibular	Nose	Ovary
Pancreas	Parathyroid Gland	Salivary Glands	Skin
Stomach - Forestomach	Thymus	Trachea	Urinary Bladder
Uterus			

MISSING

Lymph Node - Mesenteric

AUTO PRECLUDES DIAG.

Intestine Small - Jejunum

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Focal, Mild
Heart		Cardiomyopathy	Minimal
Intestine Large	Cecum	Inflammation	Necrotizing, Acute, Marked
Note: INFLAMMATION TGLs = 2-8,			
Kidney		Nephropathy	Chronic, Moderate
Liver	Periportal	Fatty Change	Diffuse, Mild
Note: FATTY CHANGE TGLs = 1-3,			
Mammary Gland		Ectasia	Multifocal, Mild
Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-1,]			
Spleen		Congestion	Moderate
Stomach	Glandular	Erosion	Minimal
Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 14	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 520
	DOSE: 5 PPM	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	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
Nose	Ovary	Parathyroid Gland	Salivary Glands
Skin	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Urinary Bladder	Uterus	

OBSERVATIONS

Brain		Compression	
		Hydrocephalus	Mild
Kidney		Nephropathy	Chronic, Moderate
Larynx		Inflammation	Chronic Active, Mild
Liver		Granuloma	Multifocal, Minimal
Lung		Alveolar/Bronchiolar Carcinoma	Multiple
	Alveolar Epith	Hyperplasia	Multifocal, Moderate
	Bronchiole	Hyperplasia	Multifocal, Moderate
Note: ALV BRON CARC TGLs = 1+2-5			
Mammary Gland		Ectasia	Multifocal, Marked
		Hyperplasia	Focal, Marked
Note: ECTASIA TGLs = 4-8			
Note: HYPERPLASIA TGLs = 4-8,			
Pancreas	Acinus	Atrophy	Focal, Mild
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA TGLs = 3-1			
Spleen		Pigmentation	Hemosiderin, Minimal
Trachea		Inflammation	Chronic Active, Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 14	**TRT#:** 3	**SEX:** Female	**DAY ON TEST:** 728
	DOSE: 2 PPM	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Brain	Clitoral Gland
Esophagus	Intestine Large - Cecum	Intestine Small - Duodenum	Intestine Small - Ileum
Islets, Pancreatic	Lymph Node - Mandibular	Lymph Node - Mesenteric	Ovary
Pancreas	Parathyroid Gland	Pituitary Gland	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus
Trachea	Urinary Bladder		

MISSING

Intestine Small - Jejunum

OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Focal, Moderate
Bone Marrow		Hyperplasia	Marked
Heart		Cardiomyopathy	Mild
Intestine Large	Colon	Parasite Metazoan	
	Rectum	Parasite Metazoan	
Kidney		Nephropathy	Chronic, Mild
Larynx		Inflammation	Chronic Active, Minimal
Liver		Basophilic Focus	Multiple
		Granuloma	Multifocal, Mild
Lung		Alveolar/Bronchiolar Adenoma	
	Alveolar Epith	Hyperplasia	Multifocal, Moderate
	Bronchiole	Hyperplasia	Multifocal, Moderate
Mammary Gland	Duct	Hyperplasia	Multifocal, Mild
Nose	Respirat Epith	Hyperplasia	Papillary, Mild
	Mucosa	Inflammation	Chronic Active, Mild
Salivary Glands	Duct	Hyperplasia	Focal, Mild
Thyroid Gland	C Cell	Hyperplasia	Focal, Mild
Uterus		Deciduoma Benign	
		Polyp Stromal	

Note: POLYP APPEARS ITUSSUSCEPTED IN ONE HORN.
Note: POLYP(S?) IN BOTH HORNS.

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 14	**TRT#:** 3	**SEX:** Female	**DAY ON TEST:** 728
	DOSE: 2 PPM	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

Note: POLYP STROMAL	TGLs = 1-10,
Note: DECIDUOMA BGN	TGLs = 1-10,

PRIMARY CAUSE OF DEATH	-

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 15	**TRT#:** 1	**SEX:** Female	**DAY ON TEST:** 674
	DOSE: CONTROL	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone	Brain	Clitoral Gland
Esophagus	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Larynx	Lymph Node - Mandibular	Ovary	Parathyroid Gland
Salivary Glands	Skin	Stomach - Forestomach	Stomach - Glandular
Thymus	Trachea	Urinary Bladder	Uterus

MISSING

Adrenal Gland - Medulla

OBSERVATIONS

Bone Marrow		Hyperplasia	Moderate
Heart		Cardiomyopathy	Minimal
Kidney		Nephropathy	Chronic, Mild
		Pigmentation	Diffuse, Mild
Note: PIGMENT TGLs = 4-7,			
Liver	Centrilobular	Atrophy	Multifocal, Moderate
		Fatty Change	Multifocal, Mild
	Bile Duct	Hyperplasia	Multifocal, Mild
		Leukemia Mononuclear	
		Mitotic Alteration	Moderate
Note: LEUKEMIA MONUC TGLs = 3-3,			
Lung		Leukemia Mononuclear	
Lymph Node	Mesenteric	Leukemia Mononuclear	
Mammary Gland		Ectasia	Multifocal, Moderate
Nose	Nasolacrim Dct	Inflammation	Chronic, Minimal
Pancreas	Acinus	Atrophy	Multifocal, Mild
Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Cyst	Multiple, Mild
		Leukemia Mononuclear	
[Adenoma TGLS = 5-1,]			
Spleen		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 15	**TRT#:** 1	**SEX:** Female	**DAY ON TEST:** 674
	DOSE: CONTROL	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

Note: LEUKEMIA MONUC TGLs = 2-3,		
Thyroid Gland	C Cell	Adenoma
PRIMARY CAUSE OF DEATH	-	

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 15	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 728
	DOSE: 5 PPM	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Adrenal Gland	Cortex	Degeneration	Fatty, Focal, Minimal
	Cortex	Hypertrophy	Multifocal, Minimal
Bone Marrow		Hyperplasia	Moderate
Clitoral Gland		Ectasia	Mild
Heart		Cardiomyopathy	Moderate
	Adventitia, Artery	Mineralization	Focal, Mild
Kidney		Nephropathy	Chronic, Marked
Larynx		Hyperplasia	Papillary, Focal, Minimal
Liver		Basophilic Focus	Multiple
Lung		Alveolar/Bronchiolar Carcinoma	Multiple
	Alveolar Epith	Hyperplasia	Multifocal, Marked
	Bronchiole	Hyperplasia	Multifocal, Marked
		Squamous Cell Carcinoma	
Note: SQUAM CEL CARC TGLs = 1-5,			
Note: ALV BRON CARC TGLs = 1-4+5,			
Note: HYPERPLASIA TGLs = 1-4+5,			
Note: MORE THAN FIVE SITES OF A-B CARCINOMA			
Nose	Respirat Epith	Hyperplasia	Moderate
	Mucosa	Inflammation	Chronic Active, Marked
Pituitary Gland	Pars Distalis	Cyst	Multiple, Moderate
	Pars Distalis	Hyperplasia	Focal, Mild
Thyroid Gland	C Cell	Hyperplasia	Multifocal, Marked

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 15	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 728
	DOSE: 5 PPM	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

Uterus		Cyst	Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 15	**TRT#:** 3	**SEX:** Female	**DAY ON TEST:** 728
	DOSE: 2 PPM	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Thymus

OBSERVATIONS

Heart		Cardiomyopathy	Minimal
Kidney		Nephropathy	Chronic, Moderate
Liver		Basophilic Focus	Multiple
		Granuloma	Multifocal, Minimal
		Hepatodiaphragmatic Nodule	
Note: ANOM HEPAT LOB TGLs = 5-3+3.1			
Lung		Alveolar/Bronchiolar Carcinoma	
	Alveolar Epith	Hyperplasia	Focal, Mild
	Bronchiole	Hyperplasia	Focal, Mild
Note: ALV BRON CARC TGLs = 3-5			
Mammary Gland	Duct	Ectasia	Focal, Marked
		Ectasia	Multifocal, Moderate
		Hyperplasia	Focal, Marked
Note: ECTASIA TGLs = 2-13			
Note: ECTASIA TGLs = 1-8			
Note: HYPERPLASIA TGLs = 2-13			
Nose	Mucosa	Inflammation	Chronic Active, Mild
	Nasolacrim Dct	Inflammation	Chronic Active, Mild
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA TGLs = 4-1			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 15	**TRT#:** 3	**SEX:** Female	**DAY ON TEST:** 728
	DOSE: 2 PPM	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

Spleen		Pigmentation	Hemosiderin, Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 16	**TRT#:** 1	**SEX:** Female	**DAY ON TEST:** 548
	DOSE: CONTROL	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Clitoral Gland	Esophagus	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Larynx	Lymph Node - Mandibular
Mammary Gland	Nose	Ovary	Pancreas
Parathyroid Gland	Salivary Glands	Skin	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Focal, Minimal
	Cortex	Leukemia Mononuclear	
	Medulla	Leukemia Mononuclear	
Bone Marrow		Hyperplasia	Mild
Brain	Chor Plexus	Hyperplasia	Focal, Moderate
Heart		Leukemia Mononuclear	
Kidney		Nephropathy	Chronic, Mild
		Pigmentation	Diffuse, Marked
Note: PIGMENT TGLs = 3-7			
Liver		Fatty Change	Diffuse, Marked
		Leukemia Mononuclear	
Note: FATTY CHANGE TGLs = 2-3			
Lung		Leukemia Mononuclear	
Lymph Node	Mesenteric	Leukemia Mononuclear	
Pituitary Gland		Fibrosis	Focal, Mild
Note: FIBROSIS TGLs = 4-1			
Spleen		Leukemia Mononuclear	
Stomach	Epithelium, Forestomach	Hyperplasia	Diffuse, Moderate
	Forestomach	Inflammation	Chronic Active, Moderate
Uterus		Hyperplasia	Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 16	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 545
	DOSE: 5 PPM	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Brain	Clitoral Gland	Esophagus
Heart	Intestine Large - Cecum	Intestine Small - Jejunum	Islets, Pancreatic
Ovary	Pancreas	Parathyroid Gland	Salivary Glands
Skin	Stomach - Forestomach	Stomach - Glandular	Thyroid Gland
Trachea	Urinary Bladder	Uterus	

MISSING

Adrenal Gland - Medulla

OBSERVATIONS

Adrenal Gland	Cortex	Leukemia Mononuclear	
Bone Marrow		Leukemia Mononuclear	
Intestine Large	Colon	Leukemia Mononuclear	
	Rectum	Parasite Metazoan	
Intestine Small	Duodenum	Leukemia Mononuclear	
	Ileum	Leukemia Mononuclear	
Kidney		Leukemia Mononuclear	
		Nephropathy	Chronic, Minimal
Larynx		Inflammation	Chronic, Minimal
Liver		Hyperplasia	Nodular, Minimal
		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 15+16-3			
Lung		Alveolar/Bronchiolar Carcinoma	Multiple
	Alveolar Epith	Hyperplasia	Multifocal, Moderate
		Leukemia Mononuclear	
Note: ALV BRON CARC TGLs = 6-4			
Note: HYPERPLASIA TGLs = 6-4+5			
Note: ALV BRON CARC TGLs = 6-5			
Lymph Node	Mandibular	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 2+3-6			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 16	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 545
	DOSE: 5 PPM	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

Note: LEUKEMIA MONUC TGLs = 10+11+14-6			
[Leukemia Mononuclear TGLS = 5-10]			
Mammary Gland		Hyperplasia	Diffuse, Mild
Nose	Respirat Epith	Hyperplasia	Mild
	Mucosa	Inflammation	Chronic Active, Minimal
	Nasolacrim Dct	Inflammation	Chronic, Moderate
	Respirat Epith	Metaplasia	Squamous, Mild
Pituitary Gland	Pars Distalis	Cyst	Marked
		Leukemia Mononuclear	
Note: CYST TGLs = 20-1+1.1			
[Leukemia Mononuclear TGLS = 19-1+1.1]			
Spleen	Capsule	Fibrosis	Multifocal, Mild
		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 7-13			
Note: FIBROSIS TGLs = 8-13			
Thymus		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 5-10			
Thyroid Gl			
Note: GROSS ENLARGEMENT NOT IN STEP SECTIONS			
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 16	**TRT#:** 3	**SEX:** Female	**DAY ON TEST:** 563
	DOSE: 2 PPM	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Brain	Clitoral Gland	Esophagus
Intestine Large - Cecum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Larynx	Lymph Node - Mandibular	Lymph Node - Mesenteric
Nose	Ovary	Salivary Glands	Stomach - Forestomach
Thymus	Trachea	Urinary Bladder	Uterus

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Multifocal, Mild
	Bilateral, Medulla	Pheochromocytoma Benign	
Bone		Fibrous Osteodystrophy	Marked
Bone Marrow		Hyperplasia	Mild
Brain			
Note: BONES OF HEAD HAVE FIBROUS OSTEODYSTROPHY.			
Eye	Cornea	Neovascularization	Multifocal, Minimal
Note: NEOVASCUZATION TGLs = 10-14			
Heart		Cardiomyopathy	Mild
		Mineralization	Multifocal, Mild
		Necrosis	Acute, Multifocal, Moderate
Intestine Large	Colon, Muscularis	Mineralization	Multifocal, Moderate
	Muscularis, Rectum	Mineralization	Multifocal, Mild
	Rectum	Parasite Metazoan	
Note: GROSS NODULE NOT SEEN IN MICRO-WAS LYMPH NODE			
Kidney	Artery	Mineralization	Multifocal, Mild
		Nephropathy	Chronic, Marked
Note: NEPHROPATHY TGLs = 6-7			
Liver	Centrilobular	Atrophy	Multifocal, Minimal
		Basophilic Focus	Two
		Fatty Change	Multifocal, Minimal
Note: ATROPHY TGLs = 4-3			
Lung	Interstitium	Mineralization	Multifocal, Mild
Lymph Node	Axillary	Hemorrhage	Acute, Moderate

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 16	**TRT#:** 3	**SEX:** Female	**DAY ON TEST:** 563
	DOSE: 2 PPM	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

Note: HEMORRHAGE TGLs = 7-1			
Mammary Gland	Duct	Ectasia	Focal, Moderate
		Mineralization	Multifocal, Mild
Note: ECTASIA TGLs = 1-8			
Mesentery	Artery	Mineralization	Multifocal, Marked
Pancreas	Artery	Angiectasis	Multifocal, Moderate
	Artery	Mineralization	Multifocal, Moderate
Note: ANGIECTASIS TGLs = 2-6			
Parathyroid Gland		Hyperplasia	Diffuse, Moderate
Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 9-1+1.1+1.2]			
Skin		Squamous Cell Papilloma	
Note: ATTACHMENT SITE MISSING			
Note: PAPILLOMA SQUA TGLs = 8-13+13.1			
Spleen		Hematopoietic Cell Proliferation	Moderate
Stomach	Glandular, Mucosa	Mineralization	Moderate
Thyroid Gland	C Cell	Adenoma	
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 17	**TRT#:** 1	**SEX:** Female	**DAY ON TEST:** 491
	DOSE: CONTROL	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Brain	Clitoral Gland	Esophagus
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Larynx	Lymph Node - Mandibular
Ovary	Pancreas	Salivary Glands	Skin
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder	Uterus	

MISSING

Parathyroid Gland

OBSERVATIONS

Adrenal Gland	Capsule	Accessory Adrenal Cortical Nodule	
	Cortex	Degeneration	Fatty, Focal, Mild
	Cortex	Degeneration	Fatty, Diffuse, Mild
	Cortex	Leukemia Mononuclear	
	Medulla	Leukemia Mononuclear	
Bone Marrow		Hyperplasia	Marked
Heart		Leukemia Mononuclear	
Islets, Pancreatic		Hyperplasia	Multifocal, Mild
Kidney		Nephropathy	Chronic, Mild
		Pigmentation	Diffuse, Mild
Liver		Fatty Change	Diffuse, Marked
	Bile Duct	Hyperplasia	Multifocal, Moderate
		Leukemia Mononuclear	
Note: FATTY CHANGE TGLs = 2-3,			
Lung		Leukemia Mononuclear	
Lymph Node	Mesenteric	Leukemia Mononuclear	
Mammary Gland		Ectasia	Multifocal, Mild
Nose	Mucosa	Inflammation	Chronic Active, Minimal
Pituitary Gland		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-1,]			
Spleen		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 17	**TRT#:** 1	**SEX:** Female	**DAY ON TEST:** 491
	DOSE: CONTROL	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

Note: LEUKEMIA MONUC TGLs = 1-3,

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 17	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 728
	DOSE: 5 PPM	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Brain	Clitoral Gland	Esophagus
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Larynx
Lymph Node - Mesenteric	Mammary Gland	Pancreas	Parathyroid Gland
Salivary Glands	Skin	Stomach - Forestomach	Stomach - Glandular
Thymus	Trachea	Urinary Bladder	Uterus

OBSERVATIONS

Adrenal Gland	Cortex	Alveolar/Bronchiolar Carcinoma	Metastatic (Lung)
	Medulla	Hyperplasia	Multifocal, Minimal
Bone Marrow		Hyperplasia	Moderate
Heart		Cardiomyopathy	Moderate
	Adventitia, Artery	Hyperplasia	Moderate
Kidney		Nephropathy	Chronic, Minimal
Liver		Basophilic Focus	Two
		Granuloma	Multifocal, Mild
Lung		Alveolar/Bronchiolar Carcinoma	Multiple
	Alveolar Epith	Hyperplasia	Multifocal, Marked
	Bronchiole	Hyperplasia	Multifocal, Marked
Note: MORE THAN 5 SITES OF A-B CARC.			
Note: [ALV BRON CARC] TGLs = 3-4+5,			
Lymph Node	Mediastinal	Cyst	Moderate
	Mandibular	Hyperplasia	Plasma Cell, Moderate
Nose	Respirat Epith	Hyperplasia	Mild
Ovary		Cyst	Mild
Note: [CYST] TGLs = 5-9,			
Pituitary Gland	Pars Distalis	Adenoma	
Spleen		Hyperplasia	Reticulum Cell, Marked
Note: [HYPERPLASIA] TGLs = 4-3			
Thyroid Gland	C Cell	Adenoma	
	C Cell	Hyperplasia	Multifocal, Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 17	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 728
	DOSE: 5 PPM	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH	-

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 17	**TRT#:** 3	**SEX:** Female	**DAY ON TEST:** 728
	DOSE: 2 PPM	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Heart		Cardiomyopathy	Minimal
Intestine Large	Rectum	Parasite Metazoan	
Kidney		Nephropathy	Chronic, Mild
Liver		Basophilic Focus	Multiple
		Granuloma	Multifocal, Mild
Lung	Alveolar Epith	Hyperplasia	Multifocal, Mild
	Bronchiole	Hyperplasia	Multifocal, Mild
Note: HYPERPLASIA TGLs = 3+4-4.1+5,			
Mammary Gland		Fibroadenoma	
Note: FIBROADENOMA TGLs = 2-3,			
Nose	Mucosa	Inflammation	Chronic Active, Minimal
Ovary		Cyst	Moderate
Note: CYST TGLs = 5-9,			
Thyroid Gland	C Cell	Hyperplasia	Multifocal, Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 18	**TRT#:** 1	**SEX:** Female	**DAY ON TEST:** 728
	DOSE: CONTROL	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Clitoral Gland	Esophagus	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Larynx	Lung
Lymph Node - Mandibular	Lymph Node - Mesenteric	Ovary	Pancreas
Salivary Glands	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Thymus	Trachea	Urinary Bladder
Uterus			

MISSING

Parathyroid Gland

OBSERVATIONS

Adrenal Gland	Cortex	Hypertrophy	Multifocal, Mild
Kidney		Nephropathy	Chronic, Marked
Note: NEPHROPATHY TGLs = 2-7,			
Liver		Basophilic Focus	Multiple
		Mixed Cell Focus	
Lymph Node	Mediastinal	Hemorrhage	Mild
Mammary Gland		Hyperplasia	Diffuse, Minimal
Note: HYPERPLASIA TGLs = 1-8,			
Nose	Mucosa	Inflammation	Chronic Active, Mild
Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-1,]			
Thyroid Gland	C Cell	Hyperplasia	Multifocal, Minimal

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 18	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 626
	DOSE: 5 PPM	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Esophagus
Intestine Large - Cecum	Intestine Large - Colon	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Larynx	Lymph Node - Mandibular
Lymph Node - Mesenteric	Nose	Ovary	Pancreas
Parathyroid Gland	Salivary Glands	Skin	Stomach - Forestomach
Stomach - Glandular	Thymus	Trachea	Urinary Bladder
Uterus			

MISSING

Clitoral Gland

OBSERVATIONS

Bone Marrow		Hyperplasia	Mild
Brain		Astrocytoma Malignant	
Clitoral Gl			
Note: CLITORAL GLANDS OBSCURED BY FIBROADENOMA			
Heart		Cardiomyopathy	Minimal
Intestine Large	Rectum	Parasite Metazoan	
Kidney		Nephropathy	Chronic, Mild
Liver		Basophilic Focus	Multiple
Lung		Alveolar/Bronchiolar Carcinoma	Multiple
	Alveolar Epith	Hyperplasia	Multifocal, Marked
	Bronchiole	Hyperplasia	Multifocal, Marked
Note: [ALV BRON CARC] TGLs = 3-4+5+13			
Note: CARC. HAVE VARIED MORPHOLOGY INCLUDING SQUAMOUS			
Note: MORE THAN 5 SITES OF A-B CARC.			
Note: [HYPERPLASIA] TGLs = 3-4+5			
Mammary Gland		Fibroadenoma	Two
Note: [FIBROADENOMA] TGLs = 2-9			
Note: [FIBROADENOMA] TGLs = 6-14			
Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 5-1+1.1]			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 18	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 626
	DOSE: 5 PPM	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

Spleen		Hematopoietic Cell Proliferation	Mild
Thyroid Gland	Follicular Cel	Carcinoma	

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 18	**TRT#:** 3	**SEX:** Female	**DAY ON TEST:** 728
	DOSE: 2 PPM	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Brain	Clitoral Gland
Esophagus	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose	Ovary
Pancreas	Parathyroid Gland	Salivary Glands	Skin
Stomach - Forestomach	Stomach - Glandular	Thyroid Gland	Trachea
Urinary Bladder	Uterus		

OBSERVATIONS

Adrenal Gland	Cortex	Hypertrophy	Focal, Mild
Bone Marrow		Hyperplasia	Mild
Heart		Cardiomyopathy	Mild
Kidney		Nephropathy	Chronic, Marked
Larynx		Inflammation	Chronic, Mild
Liver		Basophilic Focus	Two
		Leukemia Mononuclear	
Lung		Alveolar/Bronchiolar Carcinoma	
	Alveolar Epith	Hyperplasia	Multifocal, Marked
Note: ALV BRON CARC TGLs = 6-4,			
Note: HYPERPLASIA TGLs = 2-4+5+14,			
Mammary Gland		Ectasia	Multifocal, Moderate
		Fibroadenoma	
		Hyperplasia	Multifocal, Moderate
Note: HYPERPLASIA TGLs = 1-13,			
Note: FIBROADENOMA TGLs = 1-13,			
Note: ECTASIA TGLs = 1-13,			
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA TGLs = 5-1,			
Spleen		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 4-3,			
Thymus	Epithel Cell	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 18	**TRT#:** 3	**SEX:** Female	**DAY ON TEST:** 728
	DOSE: 2 PPM	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH	-

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 19	**TRT#:** 1	**SEX:** Female	**DAY ON TEST:** 728
	DOSE: CONTROL	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Brain
Esophagus	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Larynx	Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric
Mammary Gland	Ovary	Parathyroid Gland	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

OBSERVATIONS

Bone Marrow		Hyperplasia	Moderate
Clitoral Gland		Hyperplasia	Focal, Moderate
Heart		Cardiomyopathy	Mild
Kidney		Nephropathy	Chronic, Moderate
Liver		Basophilic Focus	Multiple
		Granuloma	Multifocal, Mild
		Mixed Cell Focus	
Note: MIXED CL FOCUS TGLs = 3-3,			
Nose	Mucosa	Inflammation	Chronic Active, Mild
	Nasolacrim Dct	Inflammation	Chronic Active, Moderate
Pancreas	Acinus	Atrophy	Multifocal, Marked
		Inflammation	Chronic, Multifocal, Moderate
Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 4-1,]			
Salivary Glands	Duct	Hyperplasia	Focal, Mild
	Duct	Inflammation	Chronic Active, Focal, Minimal
Uterus		Cyst	Multiple, Mild
		Dilatation	Moderate
Note: DILATATION TGLs = 2-10,			
Note: CYST TGLs = 2-10,			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 19	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 722
	DOSE: 5 PPM	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Bone Marrow	Brain	Clitoral Gland
Esophagus	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Kidney	Lymph Node - Mandibular	Lymph Node - Mesenteric	Ovary
Parathyroid Gland	Salivary Glands	Skin	Spleen
Stomach - Glandular	Thymus	Thyroid Gland	Trachea
Urinary Bladder	Uterus		

OBSERVATIONS

Adrenal Gland	Cortex	Congestion	Moderate
	Bilateral, Medulla	Pheochromocytoma Benign	
Heart		Cardiomyopathy	Minimal
Larynx		Inflammation	Chronic Active, Mild
Liver		Basophilic Focus	Two
	Centrilobular	Necrosis	Acute, Multifocal, Mild
Lung		Alveolar/Bronchiolar Carcinoma	Multiple
	Alveolar Epith	Hyperplasia	Multifocal, Marked
	Bronchiole	Hyperplasia	Multifocal, Marked
Note: 4 SITES OF A-B CARC. IN LEFT			
Note: RIGHT-SQUAMOUS DIFF. 1 IS VERY LARGE			
Note: [HYPERPLASIA] TGLs = 2-4			
Note: [ALV BRON CARC] TGLs = 3-4			
Note: [ALV BRON CARC] TGLs = 2-4			
Note: RIGHT-TWO SITES OF A-B CARC.			
Lymph Node	Mediastinal	Hemorrhage	Mild
Mammary Gland		Ectasia	Multifocal, Marked
		Fibrosis	Focal, Marked
		Galactocele	Marked
		Hyperplasia	Focal, Moderate
Note: [ECTASIA] TGLs = 1-13			
Nose	Respirat Epith	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 19	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 722
	DOSE: 5 PPM	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

	Mucosa	Inflammation	Chronic Active, Moderate
	Mucosa	Ulcer	Mild
Note: ULCER IN SQUAMOUS EPITHELIUM			
Pancreas	Acinus	Atrophy	Minimal
Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
Stomach	Epithelium, Forestomach	Hyperplasia	Diffuse, Mild
	Forestomach	Inflammation	Chronic Active, Moderate
	Forestomach	Ulcer	Single, Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 19	**TRT#:** 3	**SEX:** Female	**DAY ON TEST:** 681
	DOSE: 2 PPM	**DISP:** Natural Death	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Clitoral Gland	Esophagus	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Larynx	Lung	Ovary	Pancreas
Parathyroid Gland	Salivary Glands	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Thymus	Urinary Bladder
Uterus			

AUTO PRECLUDES DIAG.

Intestine Large - Cecum

OBSERVATIONS

Brain		Compression	
		Hydrocephalus	Moderate
[Compression TGLS = 3-1]			
Heart		Cardiomyopathy	Mild
Kidney		Nephropathy	Chronic, Marked
Liver		Fatty Change	Diffuse, Moderate
		Granuloma	Multifocal, Minimal
Lymph Node	Mandibular	Hyperplasia	Lymphoid, Moderate
	Mesenteric	Hyperplasia	Reticulum Cell, Mild
Note: HYPERPLASIA TGLs = 1-6			
Mammary Gland		Ectasia	Multifocal, Moderate
Nose	Nasolacrim Dct	Inflammation	Chronic Active, Moderate
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA TGLs = 4-1			
Thyroid Gland	C Cell	Adenoma	
Trachea		Inflammation	Chronic Active, Moderate

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 20	**TRT#:** 1	**SEX:** Female	**DAY ON TEST:** 454
	DOSE: CONTROL	**DISP:** Natural Death	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Clitoral Gland	Esophagus	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Small - Jejunum	Kidney
Larynx	Liver	Lung	Lymph Node - Mandibular
Lymph Node - Mesenteric	Mammary Gland	Nose	Ovary
Pancreas	Parathyroid Gland	Pituitary Gland	Salivary Glands
Skin	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

MISSING

Intestine Large - Rectum

AUTO PRECLUDES DIAG.

Intestine Small - Duodenum Intestine Small - Ileum

OBSERVATIONS

Islets, Pancreatic		Hyperplasia	Multifocal, Mild
Lymph Node	Mediastinal	Hemorrhage	Moderate
	Pancreatic	Hemorrhage	Moderate
Spleen		Pigmentation	Hemosiderin, Mild
Uterus		Cyst	Mild
		Polyp Stromal	
		Prolapse	

Note: POLYP IS INFARCTED
Note: POLYP STROMAL TGLs = 3-13,
Note: PROLAPSE TGLs = 1-10,

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 20	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 728
	DOSE: 5 PPM	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Brain	Clitoral Gland
Esophagus	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Larynx	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	Uterus		

OBSERVATIONS

Adrenal Gland	Cortex	Degeneration	Focal, Minimal
	Cortex	Hypertrophy	Focal, Moderate
Bone Marrow		Hyperplasia	Moderate
Kidney		Infarct	Minimal
		Nephropathy	Chronic, Moderate
Liver		Basophilic Focus	Multiple
		Granuloma	Multifocal, Minimal
Lung		Alveolar/Bronchiolar Carcinoma	Multiple
	Alveolar Epith	Hyperplasia	Multifocal, Marked
	Bronchiole	Hyperplasia	Multifocal, Marked
Note: FIVE SITES OF A-B CARC. IN LEFT			
Note: ALV BRON CARC TGLs = 2-5,			
Note: 3 SITES OF A-B CARCINOMA IN RIGHT			
Note: ALV BRON CARC TGLs = 1-4+13			
Note: HYPERPLASIA TGLs = 2-4+5+13			
Lymph Node	Mediastinal	Cyst	Mild
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA TGLs = 3-1,			
Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 20	**TRT#:** 3	**SEX:** Female	**DAY ON TEST:** 729
	DOSE: 2 PPM	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Clitoral Gland	Esophagus	Heart	Intestine Large - Cecum
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Larynx	Lymph Node - Mandibular	Lymph Node - Mesenteric
Ovary	Pancreas	Salivary Glands	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus
Trachea	Urinary Bladder	Uterus	

OBSERVATIONS

Brain		Compression	
Intestine Large	Colon	Parasite Metazoan	
Kidney		Nephropathy	Chronic, Marked
Liver		Basophilic Focus	
Lung	Alveolar Epith	Hyperplasia	Multifocal, Mild
	Bronchiole	Hyperplasia	Multifocal, Mild
Note: TGLS NOT CONFIRMED IN RECUT, RETRIM OR WETS			
Mammary Gland		Ectasia	Multifocal, Mild
Note: ECTASIA TGLs = 1-8			
Nose	Nasolacrim Dct	Inflammation	Suppurative, Mild
Parathyroid Gland		Hypertrophy	Focal, Mild
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA TGLs = 5-1			
Thyroid Gland	C Cell	Hyperplasia	Multifocal, Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 21	**TRT#:** 1	**SEX:** Female	**DAY ON TEST:** 728
	DOSE: CONTROL	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Brain	Clitoral Gland
Esophagus	Intestine Large - Cecum	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Larynx
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Ovary
Parathyroid Gland	Salivary Glands	Spleen	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Trachea
Uterus			

OBSERVATIONS

Adrenal Gland	Cortex	Degeneration	Fatty, Focal, Mild
	Cortex	Hyperplasia	Focal, Minimal
Bone Marrow		Hyperplasia	Mild
Heart		Cardiomyopathy	Moderate
Intestine Large	Artery, Colon	Inflammation	Chronic Active, Focal, Marked
Kidney	Epithelium, Pelvis	Mineralization	Minimal
		Nephropathy	Chronic, Mild
Liver		Angiectasis	Focal, Mild
		Basophilic Focus	Multiple
		Cytoplasmic Alteration	Focal, Mild
	Periportal	Fatty Change	Multifocal, Mild
		Granuloma	Multifocal, Minimal
Note: FATTY CHANGE TGLs = 3-3			
Mammary Gland		Hyperplasia	Multifocal, Minimal
Nose	Nasolacrim Dct	Inflammation	Chronic, Mild
Pancreas	Acinus	Atrophy	Multifocal, Moderate
	Artery	Inflammation	Chronic Active, Multifocal, Marked
Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Angiectasis	Multifocal, Moderate
[Adenoma TGLS = 4-1]			
[Angiectasis TGLS = 4-1]			
Skin		Keratoacanthoma	

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 21	**TRT#:** 1	**SEX:** Female	**DAY ON TEST:** 728
	DOSE: CONTROL	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

Note: KERATOACANTHMA TGLs = 1-13

Urinary Bladder	Serosa	Inflammation	Chronic Active, Marked
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 21	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 700
	DOSE: 5 PPM	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Brain	Clitoral Gland
Esophagus	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Lymph Node - Mandibular	Lymph Node - Mesenteric	Ovary	Pituitary Gland
Salivary Glands	Skin	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder
Uterus			

MISSING

Parathyroid Gland

OBSERVATIONS

Adrenal Gland	Cortex	Degeneration	Fatty, Focal, Mild
Bone Marrow		Hyperplasia	Mild
Heart		Cardiomyopathy	Mild
		Necrosis	Acute, Multifocal, Mild
Kidney		Nephropathy	Chronic, Mild
Larynx		Inflammation	Chronic Active, Mild
Liver		Hepatodiaphragmatic Nodule	
		Mixed Cell Focus	
Note: ANOM HEPAT LOB TGLs = 5-3,			
Lung		Alveolar/Bronchiolar Carcinoma	Multiple
	Alveolar Epith	Hyperplasia	Multifocal, Marked
	Bronchiole	Hyperplasia	Multifocal, Marked
	Mediastinum	Squamous Cell Carcinoma	Metastatic (Lung)
		Squamous Cell Carcinoma	Multiple
Note: SQUAM CEL CARC TGLs = 3-5+14+15			
Note: HYPERPLASIA TGLs = 2-4+5+14+15			
Note: SQUAM CEL CARC TGLs = 4-10			
Note: ALV BRON CARC TGLs = 2-4+5+15,			
Note: MORE THAN 5 SITES OF A-B CARCINOMA			
Mammary Gland		Ectasia	Multifocal, Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 21	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 700
	DOSE: 5 PPM	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

Nose	Respirat Epith	Hyperplasia	Mild
	Mucosa	Inflammation	Chronic Active, Marked
Pancreas		Necrosis	Acute, Focal, Mild
Spleen		Hematopoietic Cell Proliferation	Moderate
Tissue NOS		Squamous Cell Carcinoma	Metastatic (Lung)
Note: SQUAM CEL CARC TGLs = 1-13,			
Note: PARIETAL PLEURA			
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 21	**TRT#:** 3	**SEX:** Female	**DAY ON TEST:** 729
	DOSE: 2 PPM	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Brain
Esophagus	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Larynx	Lymph Node - Mandibular	Lymph Node - Mesenteric	Ovary
Pancreas	Parathyroid Gland	Salivary Glands	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus
Trachea	Urinary Bladder	Uterus	

OBSERVATIONS

Bone Marrow		Hyperplasia	Moderate
Clitoral Gland		Ectasia	Moderate
		Hyperplasia	Focal, Moderate
Islets, Pancreatic		Hyperplasia	Focal, Mild
Kidney	Prox Con Tub	Necrosis	Acute, Mild
		Nephropathy	Chronic, Minimal
Liver		Basophilic Focus	Multiple
Lung		Alveolar/Bronchiolar Adenoma	
		Alveolar/Bronchiolar Carcinoma	
	Alveolar Epith	Hyperplasia	Multifocal, Moderate
	Bronchiole	Hyperplasia	Multifocal, Moderate
Note: ALV BRON CARC TGLs = 2-13,			
Mammary Gland		Adenocarcinoma	
Note: ADENOCARC TGLs = 1-14+15			
Mesentery	Fat	Necrosis	Focal, Moderate
Note: NECROSIS TGLs = 4-13,			
Nose	Mucosa	Foreign Body	Mild
	Respirat Epith	Hyperplasia	Minimal
Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Hyperplasia	Focal, Moderate
Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 22	**TRT#:** 1	**SEX:** Female	**DAY ON TEST:** 728
	DOSE: CONTROL	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Brain	Clitoral Gland	Esophagus
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Lung	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

Adrenal Gland	Medulla	Fibrosis	Diffuse, Minimal
	Cortex	Hyperplasia	Focal, Minimal
	Medulla	Hyperplasia	Multifocal, Mild
Bone Marrow		Hyperplasia	Mild
Heart		Cardiomyopathy	Moderate
Islets, Pancreatic		Hyperplasia	Focal, Mild
Kidney		Nephropathy	Chronic, Marked
Larynx		Hyperplasia	Papillary, Focal, Mild
Liver		Basophilic Focus	Multiple
		Granuloma	Multifocal, Moderate
Mammary Gland		Ectasia	Multifocal, Mild
		Fibroadenoma	
Note: FIBROADENOMA TGLs = 1-13,			
Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-1,]			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 22	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 633
	DOSE: 5 PPM	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Brain
Clitoral Gland	Esophagus	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Lymph Node - Mesenteric	Salivary Glands	Skin
Stomach - Forestomach	Stomach - Glandular	Thyroid Gland	Trachea
Urinary Bladder	Uterus		

MISSING

Parathyroid Gland

OBSERVATIONS

Bone Marrow		Hyperplasia	Marked
Heart		Cardiomyopathy	Mild
Kidney		Alveolar/Bronchiolar Carcinoma	Metastatic (Lung)
	Epithelium, Pelvis	Mineralization	Mild
		Nephropathy	Chronic, Minimal
		Sarcoma	Metastatic (Lung)
Larynx		Inflammation	Chronic Active, Minimal
Liver		Basophilic Focus	Multiple
		Fatty Change	Multifocal, Mild
		Sarcoma	Metastatic (Lung)
Note: SARCOMA TGLs = 10-6,			
Lung		Alveolar/Bronchiolar Carcinoma	Multiple
	Alveolar Epith	Hyperplasia	Multifocal, Marked
	Bronchiole	Hyperplasia	Multifocal, Marked
		Mixed Tumor Malignant	Multiple

Note: MIXED TUMOR VERY LARGE, PRIMARILY SARCOMATOUS
Note: MIXD TUMOR MAL TGLs = 4-5+13+14,
Note: ALV BRON CARC TGLs = 5-4+13,
Note: HYPERPLASIA TGLs = 5-4+5,
Note: MORE THAN 5 SITES OF AB CARC.
Note: SOME AREAS OF SQAMOUS DIFFERENTIATION

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 22	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 633
	DOSE: 5 PPM	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

Lymph Node	Mandibular	Hemorrhage	Acute, Mild
	Mediastinal	Hemorrhage	Moderate
		Hyperplasia	Plasma Cell, Mild
		Sarcoma	Metastatic (Lung)
Note: HYPERPLASIA TGLs = 1-2,			
Note: HEMORRHAGE TGLs = 1-2,			
Mammary Gland		Ectasia	Diffuse, Marked
Note: ECTASIA TGLs = 3-3,			
Nose	Respirat Epith	Hyperplasia	Mild
	Mucosa	Inflammation	Chronic Active, Moderate
Ovary		Alveolar/Bronchiolar Carcinoma	Metastatic (Lung)
	Bilateral	Sarcoma	Metastatic (Lung)
Note: SARCOMA TGLs = 9-9,			
Note: ALV BRON CARC TGLs = 9-9,			
Pancreas	Acinus	Atrophy	Multifocal, Minimal
		Mixed Tumor Malignant	Metastatic (Lung)
Note: MIXD TUMOR MAL TGLs = 8-8,			
Pituitary Gland	Pars Distalis	Cyst	Multiple, Mild
[Cyst TGLS = 11]			
Spleen		Fibrosis	Multifocal, Mild
		Leukemia Mononuclear	
Note: FIBROSIS TGLs = 7-3,			
Note: LEUKEMIA MONUC TGLs = 6-3,			
Thymus		Alveolar/Bronchiolar Carcinoma	Metastatic (Lung)
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 22	**TRT#:** 3	**SEX:** Female	**DAY ON TEST:** 729
	DOSE: 2 PPM	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Clitoral Gland	Esophagus	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Larynx	Lymph Node - Mandibular
Lymph Node - Mesenteric	Nose	Ovary	Pancreas
Parathyroid Gland	Salivary Glands	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Thymus	Trachea
Urinary Bladder			

OBSERVATIONS

Heart		Cardiomyopathy	Mild
Kidney		Nephropathy	Chronic, Moderate
Liver		Basophilic Focus	Multiple
		Vacuolization Cytoplasmic	Multifocal, Minimal
Note: GROSS ENLARGEMENT NOT IN SECTION OR RECUT, WETS DEPLETED			
Lung		Alveolar/Bronchiolar Carcinoma	Two
	Alveolar Epith	Hyperplasia	Multifocal, Mild
	Bronchiole	Hyperplasia	Multifocal, Mild
Note: ALV BRON CARC TGLs = 1-4			
Note: ALV BRON CARC TGLs = 4-5			
Note: APICAL CARCINOMA HAS SOME SQUAMOUS COMPONENT			
Mammary Gland		Fibroadenoma	
		Hyperplasia	Multifocal, Moderate
Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
Thyroid Gland	C Cell	Hyperplasia	Multifocal, Mild
Uterus		Cyst	Multiple, Moderate
Note: CYST TGLs = 3-10			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 23	**TRT#:** 1	**SEX:** Female	**DAY ON TEST:** 729
	DOSE: CONTROL	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Esophagus
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Larynx
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose
Ovary	Pancreas	Parathyroid Gland	Salivary Glands
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Thymus	Trachea	Urinary Bladder	Uterus

OBSERVATIONS

Adrenal Gland	Cortex	Hypertrophy	Multifocal, Mild
Brain		Astrocytoma Benign	
Clitoral Gland		Carcinoma	
Note: CARCINOMA TGLs = 2-9			
Heart		Cardiomyopathy	Mild
Kidney		Nephropathy	Chronic, Moderate
Liver		Basophilic Focus	Multiple
Lymph Node	Mediastinal	Hemorrhage	Mild
Mammary Gland		Hyperplasia	Diffuse, Mild
Note: HYPERPLASIA TGLs = 1-8			
Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-1]			
Thyroid Gland	C Cell	Hyperplasia	Multifocal, Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 23	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 688
	DOSE: 5 PPM	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Bone Marrow	Brain	Clitoral Gland
Esophagus	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland	Pancreas
Parathyroid Gland	Salivary Glands	Skin	Stomach - Glandular
Thymus	Trachea	Urinary Bladder	Uterus

OBSERVATIONS

Adrenal Gland	Cortex	Alveolar/Bronchiolar Carcinoma	Metastatic (Lung)
	Medulla	Hyperplasia	Focal, Mild
Heart		Cardiomyopathy	Minimal
Kidney		Alveolar/Bronchiolar Carcinoma	Metastatic (Lung)
Note: ALV BRON CARC TGLs = 4-7+7.1			
Larynx		Inflammation	Chronic, Minimal
Liver		Basophilic Focus	Two
Lung		Alveolar/Bronchiolar Carcinoma	Multiple
	Alveolar Epith	Hyperplasia	Multifocal, Marked
	Bronchiole	Hyperplasia	Multifocal, Marked
Note: MORE THAN 5 SITES OF A-B CARC. IN LEFT			
Note: ALV BRON CARC TGLs = 1-4			
Note: HYPERPLASIA TGLs = 1-4+5+13			
Note: ALV BRON CARC TGLs = 1+2-5+13			
Lymph Node	Mediastinal	Alveolar/Bronchiolar Carcinoma	Metastatic (Lung)
Nose	Mucosa	Inflammation	Chronic Active, Minimal
Ovary		Alveolar/Bronchiolar Carcinoma	Metastatic (Lung)
		Cyst	Marked
Note: CYST TGLs = 3-9			
Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 5-1]			
Spleen		Hematopoietic Cell Proliferation	Moderate
Stomach	Epithelium, Forestomach	Hyperplasia	Multifocal, Moderate

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 23	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 688
	DOSE: 5 PPM	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

Thyroid Gland	C Cell	Hyperplasia	Multifocal, Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 23	**TRT#:** 3	**SEX:** Female	**DAY ON TEST:** 729
	DOSE: 2 PPM	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	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
Uterus			

OBSERVATIONS

Clitoral Gland		Hyperplasia	Focal, Moderate
Heart		Cardiomyopathy	Mild
Intest Small			
Note: GROSS FOCI ARE PEYERS PATCHES			
Kidney		Nephropathy	Chronic, Marked
Larynx		Inflammation	Chronic, Mild
Liver		Basophilic Focus	Multiple
		Granuloma	Multifocal, Mild
Lung	Alveolar Epith	Hyperplasia	Multifocal, Mild
	Bronchiole	Hyperplasia	Multifocal, Mild
Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
[Hyperplasia TGLS = 3-1]			
Thyroid Gland	C Cell	Hyperplasia	Multifocal, Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 24	**TRT#:** 1	**SEX:** Female	**DAY ON TEST:** 729
	DOSE: CONTROL	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Brain	Esophagus
Intestine Large - Cecum	Intestine Large - Colon	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Larynx	Mammary Gland
Ovary	Pancreas	Parathyroid Gland	Salivary Glands
Skin	Stomach - Forestomach	Stomach - Glandular	Thymus
Trachea	Urinary Bladder	Uterus	

OBSERVATIONS

Adrenal Gland	Cortex	Degeneration	Fatty, Focal, Moderate
Bone Marrow		Hyperplasia	Mild
Clitoral Gland		Hyperplasia	Focal, Moderate
		Necrosis	Acute, Marked
Note: NECROSIS TGLs = 1-9,			
Heart		Cardiomyopathy	Mild
Intestine Large	Rectum	Parasite Metazoan	
Kidney		Nephropathy	Chronic, Mild
		Pigmentation	Diffuse, Minimal
Liver		Basophilic Focus	Multiple
		Granuloma	Multifocal, Minimal
		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 3-3,			
Lung	Interstitium	Inflammation	Chronic, Multifocal, Mild
Note: INFLAMMATION TGLs = 4-4+5,			
Lymph Node	Mandibular	Hemorrhage	Acute, Mild
	Mandibular	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
Nose		Foreign Body	Minimal
	Respirat Epith	Hyperplasia	Mild
	Mucosa	Inflammation	Suppurative, Chronic Active, Marked
Note: FOREIGN MATERIAL IS A HAIR.			
Pituitary Gland	Pars Distalis	Adenoma	

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 24	**TRT#:** 1	**SEX:** Female	**DAY ON TEST:** 729
	DOSE: CONTROL	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

	Pars Distalis	Cyst	Multiple, Mild
Note: CYST TGLs = 6-1, [Adenoma TGLS = 6-1,]			
Spleen		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 2-3,			
Thyroid Gland		Cyst	Minimal
		Inflammation	Granulomatous, Focal, Minimal
Note: CYST IS SQUAMOUS INCLUSION WITH VACUOLATED CELLS			
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 24	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 576
	DOSE: 5 PPM	**DISP:** Moribund Sacrifice	**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	Larynx	Liver
Lymph Node - Mesenteric	Mammary Gland	Ovary	Pancreas
Salivary Glands	Skin	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	Uterus

OBSERVATIONS

Adrenal Gland	Cortex	Degeneration	Fatty, Focal, Minimal
	Medulla	Hyperplasia	Focal, Minimal
Bone		Osteopetrosis	Marked
Bone Marrow		Atrophy	Marked
Heart		Cardiomyopathy	Minimal
Kidney		Nephropathy	Chronic, Minimal
Lung		Alveolar/Bronchiolar Carcinoma	Multiple
	Alveolar Epith	Hyperplasia	Multifocal, Marked
	Bronchiole	Hyperplasia	Multifocal, Marked
		Squamous Cell Carcinoma	

Note: ALV BRON CARC TGLs = 3-5,
Note: ALV BRON CARC TGLs = 2-4,
Note: HYPERPLASIA TGLs = 3-5,
Note: ALV BRON CARC TGLs = 1-13+14+15,
Note: SQUAM CEL CARC TGLs = 1-13+14+15,
Note: SQUAMOUS CELL CARCINOMA AROSE FROM A-B CARCINOMA

Lymph Node	Mandibular	Inflammation	Chronic Active, Mild
Nose	Respirat Epith	Hyperplasia	Papillary, Mild
	Respirat Epith	Hyperplasia	Minimal
	Mucosa	Inflammation	Chronic Active, Moderate
Parathyroid Gland		Hyperplasia	Focal, Minimal
Pituitary Gland	Pars Intermed	Adenoma	
	Pars Distalis	Cyst	Multiple, Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 24	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 576
	DOSE: 5 PPM	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

	Pars Distalis	Hyperplasia	Focal, Mild
Spleen		Hematopoietic Cell Proliferation	Moderate
Stomach	Epithelium, Forestomach	Hyperplasia	Multifocal, Moderate
	Forestomach	Inflammation	Chronic Active, Marked
	Forestomach	Ulcer	Multifocal, Marked

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 24	**TRT#:** 3	**SEX:** Female	**DAY ON TEST:** 545
	DOSE: 2 PPM	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Brain	Clitoral Gland	Esophagus
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Larynx
Lymph Node - Mandibular	Mammary Gland	Nose	Ovary
Pancreas	Parathyroid Gland	Salivary Glands	Skin
Thymus	Thyroid Gland	Trachea	Urinary Bladder
Uterus			

OBSERVATIONS

Adrenal Gland	Cortex	Congestion	Moderate
	Cortex	Degeneration	Fatty, Focal, Mild
	Medulla	Leukemia Mononuclear	
Bone Marrow		Leukemia Mononuclear	
Brain			
Note: GROSS OBSERVATION PROBABLY CONGESTED VEIN			
Heart		Leukemia Mononuclear	
Kidney		Pigmentation	Diffuse, Mild
Note: PIGMENT TGLs = 5-7			
Liver		Fatty Change	Multifocal, Moderate
		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 4-3			
Note: FATTY CHANGE TGLs = 4-3			
Lung		Leukemia Mononuclear	
Lymph Node	Mesenteric	Hemorrhage	Acute, Mild
	Pancreatic	Hemorrhage	Moderate
	Pancreatic	Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 3-6			
Pituitary Gland		Leukemia Mononuclear	
Spleen		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 2-3			
Stomach	Epithelium, Forestomach	Hyperplasia	Focal, Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 24	**TRT#:** 3	**SEX:** Female	**DAY ON TEST:** 545
	DOSE: 2 PPM	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

	Forestomach	Inflammation	Chronic Active, Moderate
	Glandular	Inflammation	Chronic Active, Moderate
	Glandular	Necrosis	Subacute, Focal, Marked
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 25	**TRT#:** 1	**SEX:** Female	**DAY ON TEST:** 729
	DOSE: CONTROL	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Esophagus	Intestine Large - Cecum
Intestine Large - Colon	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Lung	Lymph Node - Mandibular	Ovary
Parathyroid Gland	Salivary Glands	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Thymus	Urinary Bladder
Uterus			

OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Focal, Minimal
	Cortex	Hypertrophy	Focal, Minimal
Bone Marrow		Hyperplasia	Minimal
Brain		Compression	
Clitoral Gland		Fibrosis	Mild
Heart		Cardiomyopathy	Moderate
Intestine Large	Rectum	Parasite Metazoan	
Kidney		Nephropathy	Chronic, Marked
Larynx		Inflammation	Chronic, Marked
Liver		Basophilic Focus	Multiple
		Granuloma	Multifocal, Mild
Lymph Node	Mesenteric	Hemorrhage	Acute, Mild
Mammary Gland		Ectasia	Multifocal, Moderate
Note: ECTASIA TGLs = 1-8,			
Nose	Mucosa	Inflammation	Chronic Active, Mild
Pancreas	Acinus	Atrophy	Multifocal, Mild
Pituitary Gland	Pars Distalis	Adenoma	
Note: [ADENOMA] TGLs = 2-1			
Thyroid Gland	C Cell	Hyperplasia	Multifocal, Moderate
Trachea		Inflammation	Chronic, Minimal

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 25	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 495
	DOSE: 5 PPM	**DISP:** Natural Death	**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	Larynx
Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland	Ovary
Pancreas	Parathyroid Gland	Pituitary Gland	Salivary Glands
Skin	Stomach - Forestomach	Stomach - Glandular	Thyroid Gland
Trachea	Urinary Bladder		

OBSERVATIONS

Bone		Osteopetrosis	Marked
Liver	Periportal	Fatty Change	Multifocal, Mild
		Granuloma	Multifocal, Minimal
Lung		Alveolar/Bronchiolar Carcinoma	
	Alveolar Epith	Hyperplasia	Multifocal, Moderate
	Bronchiole	Hyperplasia	Multifocal, Moderate
	Alveolus, Bronchiole	Inflammation	Suppurative, Acute, Multifocal, Marked
Nose	Respirat Epith	Hyperplasia	Minimal
	Mucosa	Inflammation	Chronic Active, Mild
Spleen		Hematopoietic Cell Proliferation	Marked
Thymus		Congestion	Marked
Uterus		Sarcoma	
Note: SARCOMA TGLs = 1-10			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 25	**TRT#:** 3	**SEX:** Female	**DAY ON TEST:** 639
	DOSE: 2 PPM	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Brain	Clitoral Gland
Esophagus	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Larynx	Lymph Node - Mandibular	Lymph Node - Mesenteric
Mammary Gland	Nose	Ovary	Pancreas
Parathyroid Gland	Salivary Glands	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Thyroid Gland	Trachea
Urinary Bladder	Uterus		

MISSING

Thymus

OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Focal, Minimal
Bone Marrow		Hyperplasia	Mild
Kidney		Nephropathy	Chronic, Minimal
Liver		Granuloma	Multifocal, Mild
Lung	Alveolar Epith	Hyperplasia	Multifocal, Moderate
	Bronchiole	Hyperplasia	Multifocal, Moderate
		Squamous Cell Carcinoma	
Note: SQUAM CEL CARC TGLs = 1-5+13+14,			
Note: SLIDE 13 ALSO HAS SMALL ADENOCARCINOMATOUS AREA			
Lymph Node	Mediastinal	Edema	Moderate
Note: EDEMA TGLs = 3-10,			
Pituitary Gland	Pars Distalis	Adenoma	
	Pars Intermed	Angiectasis	Multifocal, Moderate
[Adenoma TGLS = 2-1,]			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 26	**TRT#:** 1	**SEX:** Female	**DAY ON TEST:** 595
	DOSE: CONTROL	**DISP:** Natural Death	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Clitoral Gland	Esophagus	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Jejunum	Lung
Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland	Pancreas
Parathyroid Gland	Salivary Glands	Skin	Stomach - Forestomach
Stomach - Glandular	Trachea	Urinary Bladder	Uterus

MISSING

Thymus

AUTO PRECLUDES DIAG.

Intestine Small - Ileum

OBSERVATIONS

Brain		Compression	
		Hydrocephalus	Marked
Heart		Cardiomyopathy	Minimal
Islets, Pancreatic		Hyperplasia	Multifocal, Mild
Kidney		Nephropathy	Chronic, Mild
Larynx		Inflammation	Chronic Active, Mild
Liver		Basophilic Focus	Multiple
		Granuloma	Multifocal, Minimal
		Necrosis	Acute, Focal, Minimal
Lymph Node	Mediastinal	Hemorrhage	Mild
Nose	Nasolacrim Dct	Inflammation	Chronic Active, Moderate
Ovary		Cyst	
Note: CYST TGLs = 1-9,			
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA TGLs = 2-1			
Spleen		Pigmentation	Hemosiderin, Mild
Thyroid Gland	C Cell	Hyperplasia	Focal, Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 26	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 722
	DOSE: 5 PPM	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Brain	Clitoral Gland	Esophagus
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Larynx	Lymph Node - Mandibular	Ovary	Parathyroid Gland
Salivary Glands	Stomach - Forestomach	Stomach - Glandular	Thymus
Trachea	Urinary Bladder	Uterus	

OBSERVATIONS

Adrenal Gland	Cortex, Medulla	Alveolar/Bronchiolar Carcinoma	Metastatic (Lung)
Note: ALV BRON CARC TGLs = 8-7			
Bone Marrow		Hyperplasia	Mild
Kidney		Alveolar/Bronchiolar Carcinoma	Metastatic (Lung), Multiple (Lung)
		Nephropathy	Chronic, Marked
Note: ALV BRON CARC TGLs = 8-7			
Note: NEPHROPATHY TGLs = 7-7			
Liver		Granuloma	Multifocal, Moderate
	Bile Duct	Hyperplasia	Multifocal, Marked
		Necrosis	Acute, Multifocal, Moderate
Note: GRANULOMA TGLs = 6-3			
Note: NECROSIS TGLs = 6-3			
Lung		Alveolar/Bronchiolar Carcinoma	Multiple
	Alveolar Epith	Hyperplasia	Multifocal, Marked
	Bronchiole	Hyperplasia	Multifocal, Marked
		Squamous Cell Carcinoma	
Note: ALV BRON CARC TGLs = 3-4+5			
Note: MORE THAN 5 SITES OF A-B CARC.			
Lymph Node	Mesenteric	Hemorrhage	Acute, Moderate
Note: HEMORRHAGE TGLs = 5-6			
Mammary Gland		Ectasia	Multifocal, Marked
		Galactocele	Marked
Note: GALACTOCELE TGLs = 4-13			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 26	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 722
	DOSE: 5 PPM	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

Note: ECTASIA TGLs = 4-13			
Mesentery		Alveolar/Bronchiolar Carcinoma	Metastatic (Lung)
Note: ALV BRON CARC TGLs = 9-6			
Nose	Mucosa	Erosion	Multifocal, Minimal
Pancreas	Acinus	Atrophy	Diffuse, Mild
Pituitary Gland	Pars Distalis	Cyst	Marked
[Cyst TGLS = 11-1]			
Skin	Subcut Tiss	Alveolar/Bronchiolar Carcinoma	Metastatic (Uncertain Primary Site)
		Inflammation	Subacute, Multifocal, Moderate
		Ulcer	Mild
Note: [ALV BRON CARC] TGLs = 10-14			
Spleen		Hematopoietic Cell Proliferation	Moderate
Thyroid Gland	C Cell	Hyperplasia	Focal, Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 26	**TRT#:** 3	**SEX:** Female	**DAY ON TEST:** 729
	DOSE: 2 PPM	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Thymus

OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Focal, Minimal
Heart		Cardiomyopathy	Mild
Kidney		Nephropathy	Chronic, Moderate
Larynx		Inflammation	Chronic Active, Minimal
Liver		Basophilic Focus	Multiple
		Eosinophilic Focus	
		Granuloma	Multifocal, Minimal
Lung		Alveolar/Bronchiolar Carcinoma	Two
	Alveolar Epith	Hyperplasia	Multifocal, Mild
Note: ALV BRON CARC TGLs = 2-4			
Note: ALV BRON CARC TGLs = 1-4			
Lymph Node	Mediastinal	Hemorrhage	Moderate
Pituitary Gland	Pars Distalis	Cyst	Multiple, Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 27	**TRT#:** 1	**SEX:** Female	**DAY ON TEST:** 729
	DOSE: CONTROL	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Adrenal Gland	Cortex	Degeneration	Fatty, Focal, Minimal
Clitoral Gland		Inflammation	Granulomatous, Multifocal, Mild
Heart		Cardiomyopathy	Moderate
Kidney		Nephropathy	Chronic, Moderate
Larynx		Inflammation	Chronic Active, Mild
Liver		Basophilic Focus	
Mammary Gland		Ectasia	Multifocal, Mild
Note: ECTASIA TGLs = 1-8,			
Mesentery		Accessory Spleen	
Note: ACCESSORY SPLN TGLs = 2-6,			
Nose	Mucosa	Inflammation	Chronic Active, Mild
	Nasolacrim Dct	Inflammation	Chronic, Minimal
Pituitary Gland	Pars Distalis	Adenoma	
Note: [ADENOMA] TGLs = 3-1			
Spleen		Pigmentation	Hemosiderin, Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 27	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 689
	DOSE: 5 PPM	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Brain	Clitoral Gland	Esophagus
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Larynx
Lymph Node - Mandibular	Lymph Node - Mesenteric	Ovary	Pancreas
Parathyroid Gland	Pituitary Gland	Salivary Glands	Skin
Stomach - Forestomach	Stomach - Glandular	Trachea	Urinary Bladder
Uterus			

MISSING

Thymus

OBSERVATIONS

Adrenal Gland	Cortex	Degeneration	Fatty, Multifocal, Mild
	Medulla	Hyperplasia	Multifocal, Mild
Bone Marrow		Hyperplasia	Moderate
Islets, Pancreatic		Hyperplasia	Multifocal, Mild
Kidney		Nephropathy	Chronic, Mild
Liver		Basophilic Focus	Multiple
Lung		Alveolar/Bronchiolar Carcinoma	Multiple
	Alveolar Epith	Hyperplasia	Multifocal, Marked
	Bronchiole	Hyperplasia	Multifocal, Marked
Note: 5 SITES OF A-B CARC. IN LEFT			
Note: ALV BRON CARC TGLs = 5-13,			
Mammary Gland		Fibroadenoma	
		Inflammation	Granulomatous, Multifocal, Mild
Note: FIBROADENOMA TGLs = 3-14,			
Nose	Mucosa	Inflammation	Suppurative, Chronic Active, Mild
Spleen		Hematopoietic Cell Proliferation	Moderate
Thyroid Gland	C Cell	Carcinoma	
Note: CARCINOMA TGLs = 4-2,			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 27	**TRT#:** 3	**SEX:** Female	**DAY ON TEST:** 729
	DOSE: 2 PPM	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Clitoral Gland	Esophagus	Intestine Large - Cecum	Intestine Large - Colon
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Larynx	Lymph Node - Mandibular	Mammary Gland	Ovary
Pancreas	Parathyroid Gland	Salivary Glands	Skin
Stomach - Forestomach	Stomach - Glandular	Thymus	Trachea
Urinary Bladder	Uterus		

OBSERVATIONS

Adrenal Gland	Cortex	Hypertrophy	Multifocal, Minimal
Heart		Cardiomyopathy	Marked
Intest Small			
Intestine Large	Rectum	Parasite Metazoan	
Kidney	Prox Con Tub	Hyperplasia	Atypical, Focal, Mild
		Nephropathy	Chronic, Marked
Liver		Basophilic Focus	Multiple
		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 3-1,			
Lung	Alveolar Epith	Hyperplasia	Multifocal, Marked
	Bronchiole	Hyperplasia	Multifocal, Marked
	Bronchus	Hyperplasia	Papillary, Focal, Marked
Note: HYPERPLASIA TGLs = 1-4,			
Lymph Node	Mesenteric	Leukemia Mononuclear	
Nose	Mucosa	Inflammation	Chronic Active, Minimal
Pituitary Gland	Pars Distalis	Carcinoma	
		Leukemia Mononuclear	
[Carcinoma TGLS = 4-1,]			
Spleen		Leukemia Mononuclear	
Thyroid Gland	C Cell	Carcinoma	

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 28	**TRT#:** 1	**SEX:** Female	**DAY ON TEST:** 646
	DOSE: CONTROL	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Clitoral Gland	Esophagus	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Kidney	Larynx
Lung	Lymph Node - Mandibular	Nose	Ovary
Pancreas	Parathyroid Gland	Salivary Glands	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	Uterus

MISSING

Adrenal Gland - Medulla

OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Focal, Mild
Bone Marrow		Hyperplasia	Moderate
Brain		Compression	
Heart		Cardiomyopathy	Moderate
Liver		Granuloma	Multifocal, Marked
	Bile Duct	Hyperplasia	Multifocal, Mild
	Periportal	Inflammation	Chronic, Multifocal, Marked
Note: GRANULOMA TGLs = 3-3,			
Note: INFLAMMATION TGLs = 3-3,			
Lymph Node	Mediastinal	Hemorrhage	Mild
	Mesenteric	Hemorrhage	Acute, Mild
	Pancreatic	Hemorrhage	Mild
Note: HEMORRHAGE TGLs = 1-6,			
Note: HEMORRHAGE TGLs = 2-6,			
Mammary Gland		Ectasia	Multifocal, Minimal
Pituitary Gland	Pars Distalis	Carcinoma	
Note: [CARCINOMA] TGLs = 5-1			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 28	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 646
	DOSE: 5 PPM	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Adrenal Gland - Medulla

OBSERVATIONS

Bone Marrow		Hyperplasia	Mild
Clitoral Gland		Inflammation	Granulomatous, Multifocal, Minimal
Heart		Cardiomyopathy	Minimal
Kidney	Bilateral	Hydronephrosis	Mild
		Nephropathy	Chronic, Mild
Liver	Median Lobe	Hepatodiaphragmatic Nodule	
Note: ANOM HEPAT LOB TGLs = 5-3.1			
Lung		Alveolar/Bronchiolar Carcinoma	Multiple
	Alveolar Epith	Hyperplasia	Multifocal, Moderate
	Bronchiole	Hyperplasia	Multifocal, Moderate
Note: HYPERPLASIA TGLs = 1-4+5			
Note: ALV BRON CARC TGLs = 1-5			
Lymph Node	Mesenteric	Hemorrhage	Acute, Moderate
Note: HEMORRHAGE TGLs = 3-6			
Mesentery		Sarcoma	Metastatic (Uterus)
Pancreas	Acinus	Atrophy	Multifocal, Mild
Spleen		Hematopoietic Cell Proliferation	Mild
Uterus		Sarcoma	
Note: SARCOMA TGLs = 4-13			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 28	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 646
	DOSE: 5 PPM	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 28	**TRT#:** 3	**SEX:** Female	**DAY ON TEST:** 729
	DOSE: 2 PPM	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Esophagus	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Larynx	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	

OBSERVATIONS

Adrenal Gland	Cortex	Hypertrophy	Focal, Minimal
Clitoral Gland		Adenoma	
Kidney		Nephropathy	Chronic, Mild
Liver		Basophilic Focus	Two
		Granuloma	Multifocal, Minimal
Lung	Alveolar Epith	Hyperplasia	Multifocal, Mild
	Bronchiole	Hyperplasia	Multifocal, Mild
Lymph Node	Mediastinal	Hemorrhage	Moderate
Uterus		Polyp Stromal	
Note: POLYP STROMAL TGLs = 2-10,			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 29	**TRT#:** 1	**SEX:** Female	**DAY ON TEST:** 729
	DOSE: CONTROL	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Clitoral Gland	Esophagus
Intestine Large - Cecum	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Larynx	Lung
Lymph Node - Mandibular	Lymph Node - Mesenteric	Ovary	Parathyroid Gland
Salivary Glands	Skin	Stomach - Forestomach	Stomach - Glandular
Trachea	Urinary Bladder	Uterus	

OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Focal, Mild
Bone Marrow		Hyperplasia	Mild
Brain		Compression	
Heart		Cardiomyopathy	Moderate
Intestine Large	Colon	Parasite Metazoan	
Kidney		Nephropathy	Chronic, Marked
Liver		Basophilic Focus	Multiple
Mammary Gland		Ectasia	Multifocal, Mild
Nose	Mucosa	Inflammation	Chronic Active, Minimal
Pancreas	Acinus	Atrophy	Multifocal, Minimal
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA TGLs = 1-1,			
Spleen		Leukemia Mononuclear	
Thymus	Epithel Cell	Hyperplasia	Mild
Thyroid Gland	C Cell	Adenoma	
	C Cell	Hyperplasia	Multifocal, Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 29	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 728
	DOSE: 5 PPM	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Focal, Minimal
Heart		Cardiomyopathy	Mild
Kidney		Nephropathy	Chronic, Moderate
Liver		Basophilic Focus	
		Mitotic Alteration	Mild
Lung		Alveolar/Bronchiolar Carcinoma	Multiple
	Alveolar Epith	Hyperplasia	Multifocal, Marked
	Bronchiole	Hyperplasia	Multifocal, Marked
Note: HYPERPLASIA TGLs = 3-4+5,			
Note: MORE THAN 5 SITES OF A-B CARC.			
Note: PROMINENT SQUAMOUS COMPONENT IN 1 CARC. IN LEFT			
Note: ALV BRON CARC TGLs = 3-4+5,			
Mesentery	Fat	Necrosis	Focal, Moderate
Note: NECROSIS TGLs = 2-13,			
Nose	Olfactory Epi	Atrophy	Minimal
Ovary		Cyst	Moderate
Note: CYST TGLs = 5-9,			
Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 6-1,]			
Thyroid Gland	C Cell	Hyperplasia	Multifocal, Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 29	**TRT#:** 3	**SEX:** Female	**DAY ON TEST:** 577
	DOSE: 2 PPM	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Clitoral Gland	Esophagus	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Larynx	Lung	Lymph Node - Mandibular
Lymph Node - Mesenteric	Nose	Parathyroid Gland	Salivary Glands
Skin	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	Uterus

OBSERVATIONS

Bone			
Note: BONE IS STERNUM RATHER THAN FEMUR			
Brain		Compression	
		Hydrocephalus	Mild
Heart		Cardiomyopathy	Mild
Kidney		Nephropathy	Chronic, Moderate
Liver		Granuloma	Multifocal, Moderate
Lymph Node	Mediastinal	Hemorrhage	Moderate
Mammary Gland		Ectasia	Multifocal, Moderate
Note: ECTASIA TGLs = 1-3,			
Ovary		Cyst	Marked
Note: CYST TGLs = 2-9,			
Pancreas		Inflammation	Chronic, Multifocal, Minimal
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA TGLs = 6-1+1.1,			
Spleen		Pigmentation	Hemosiderin, Mild
Zymbal's Gland		Ectasia	Moderate
Note: ECTASIA TGLs = 5-13,			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 30	**TRT#:** 1	**SEX:** Female	**DAY ON TEST:** 729
	DOSE: CONTROL	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Brain	Esophagus
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Larynx
Lung	Lymph Node - Mandibular	Nose	Ovary
Pancreas	Parathyroid Gland	Pituitary Gland	Salivary Glands
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder

OBSERVATIONS

Adrenal Gland	Cortex	Angiectasis	Multifocal, Moderate
	Cortex	Degeneration	Fatty, Focal, Mild
Bone Marrow		Hyperplasia	Moderate
Clitoral Gland		Hyperplasia	Focal, Moderate
		Inflammation	Chronic Active, Focal, Mild
Intestine Large	Rectum	Parasite Metazoan	
Kidney		Nephropathy	Chronic, Minimal
Liver		Basophilic Focus	Multiple
		Necrosis	Acute, Multifocal, Mild
Lymph Node	Mesenteric	Hemorrhage	Acute, Moderate
Note: HEMORRHAGE TGLs = 3-6,			
Mammary Gland		Ectasia	Multifocal, Marked
		Fibroadenoma	
Note: FIBROADENOMA TGLs = 1-13+14,			
Uterus		Polyp Stromal	
Note: POLYP STROMAL TGLs = 4-10,			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 30	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 695
	DOSE: 5 PPM	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Brain	Esophagus
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Larynx
Lymph Node - Mandibular	Lymph Node - Mesenteric	Ovary	Parathyroid Gland
Pituitary Gland	Salivary Glands	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder
Uterus			

MISSING

Clitoral Gland	Islets, Pancreatic	Pancreas

OBSERVATIONS

Adrenal Gland	Cortex	Alveolar/Bronchiolar Carcinoma	Metastatic (Lung)
Bone Marrow		Hyperplasia	Mild
Kidney		Alveolar/Bronchiolar Carcinoma	Metastatic (Lung)
		Nephropathy	Chronic, Mild
Note: ALV BRON CARC TGLs = 10-7			
Liver		Alveolar/Bronchiolar Carcinoma	Metastatic (Lung)
		Necrosis	Acute, Multifocal, Moderate
Note: NECROSIS TGLs = 8-3+13			
Note: ALV BRON CARC TGLs = 9-13			
Lung		Alveolar/Bronchiolar Carcinoma	Multiple
	Alveolar Epith	Hyperplasia	Multifocal, Marked
	Bronchiole	Hyperplasia	Multifocal, Marked
		Squamous Cell Carcinoma	Multiple
Note: ALV BRON CARC TGLs = 4-5,			
Note: HYPERPLASIA TGLs = 4-5,			
Note: SQUAM CEL CARC TGLs = 4-5,			
Note: ALV BRON CARC TGLs = 3-10,			
Note: SQUAM CEL CARC TGLs = 5-4,			
Note: ALV BRON CARC TGLs = 6-4,			
Mammary Gland		Ectasia	Multifocal, Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 30	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 695
	DOSE: 5 PPM	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

Note: ECTASIA TGLs = 1-8+9+9.1			
Nose	Respirat Epith	Hyperplasia	Minimal
	Mucosa	Inflammation	Suppurative, Chronic Active, Marked
Skin	Subcut Tiss	Alveolar/Bronchiolar Carcinoma	Metastatic (Lung)
Note: ALV BRON CARC TGLs = 2-9+9.1			
Spleen		Hematopoietic Cell Proliferation	Moderate
		Squamous Cell Carcinoma	Metastatic (Lung)
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 30	**TRT#:** 3	**SEX:** Female	**DAY ON TEST:** 603
	DOSE: 2 PPM	**DISP:** Natural Death	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Clitoral Gland	Esophagus	Eye	Intestine Large - Cecum
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	Urinary Bladder	

OBSERVATIONS

Brain		Compression	
		Hydrocephalus	Moderate
Heart		Cardiomyopathy	Mild
Intestine Large	Colon	Parasite Metazoan	
Kidney		Nephropathy	Chronic, Marked
Larynx		Inflammation	Chronic, Mild
Liver		Basophilic Focus	Multiple
	Periportal	Fatty Change	Multifocal, Mild
		Granuloma	Multifocal, Mild
Lung	Alveolar Epith	Hyperplasia	Focal, Mild
Lymph Node	Mediastinal	Hemorrhage	Marked
Mammary Gland		Ectasia	Multifocal, Moderate
Note: ECTASIA TGLs = 1-8			
Pituitary Gland	Pars Distalis	Adenoma	
Note: [ADENOMA] TGLs = 2-1			
Trachea		Inflammation	Chronic Active, Mild
Uterus		Dilatation	Minimal

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 31	**TRT#:** 1	**SEX:** Female	**DAY ON TEST:** 729
	DOSE: CONTROL	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Clitoral Gland	Esophagus	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Larynx	Lung	Lymph Node - Mandibular
Lymph Node - Mesenteric	Mammary Gland	Ovary	Parathyroid Gland
Salivary Glands	Skin	Stomach - Forestomach	Stomach - Glandular
Thymus	Trachea	Urinary Bladder	

OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Focal, Minimal
Heart		Cardiomyopathy	Moderate
Kidney		Nephropathy	Chronic, Moderate
Liver		Basophilic Focus	Multiple
	Bile Duct	Hyperplasia	Multifocal, Minimal
	Portal	Inflammation	Chronic, Multifocal, Minimal
Nose	Mucosa	Inflammation	Chronic Active, Mild
	Nasolacrim Dct	Inflammation	Chronic, Minimal
Pancreas	Acinus	Atrophy	Multifocal, Mild
Pituitary Gland	Pars Distalis	Cyst	Mild
Spleen		Pigmentation	Hemosiderin, Mild
Thyroid Gland	C Cell	Hyperplasia	Multifocal, Mild
Uterus		Dilatation	Mild
Note: DILATATION TGLs = 1-10+10.1,			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 31	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 667
	DOSE: 5 PPM	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Clitoral Gland	Esophagus	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Lymph Node - Mandibular	Lymph Node - Mesenteric	Pancreas
Parathyroid Gland	Salivary Glands	Skin	Spleen
Stomach - Glandular	Thyroid Gland	Trachea	Uterus

MISSING

Urinary Bladder

OBSERVATIONS

Adrenal Gland	Cortex	Degeneration	Fatty, Focal, Mild
Heart		Alveolar/Bronchiolar Carcinoma	Metastatic (Lung)
		Cardiomyopathy	Mild
Kidney		Alveolar/Bronchiolar Carcinoma	Metastatic (Lung)
		Nephropathy	Chronic, Minimal
Liver		Fatty Change	Multifocal, Moderate
		Granuloma	Multifocal, Minimal
Note: FATTY CHANGE TGLs = 4-3,			
Lung		Alveolar/Bronchiolar Carcinoma	Multiple
	Alveolar Epith	Hyperplasia	Multifocal, Moderate
	Bronchiole	Hyperplasia	Multifocal, Moderate
Note: ALV BRON CARC TGLs = 3-4+5,			
Note: MORE THAN 5 CARCINOMAS.			
Note: CARCINOMAS HAVE VARIABLE MORPHOLOGY, INCLUDING SQUAMOUS.			
Mammary Gland		Ectasia	Multifocal, Minimal
		Hyperplasia	Multifocal, Mild
Mesentery	Fat	Necrosis	Multifocal, Marked
Note: NECROSIS TGLs = 5+6+7-13+14+15,			
Nose	Mucosa	Inflammation	Suppurative, Chronic Active, Mild
Ovary		Alveolar/Bronchiolar Carcinoma	Metastatic (Lung)
Pituitary Gland	Pars Distalis	Angiectasis	Multifocal, Marked

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 31	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 667
	DOSE: 5 PPM	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

	Pars Distalis	Hyperplasia	Focal, Moderate
[Angiectasis TGLS = 8-1,]			
[Hyperplasia TGLS = 8-1,]			
Stomach	Forestomach	Inflammation	Acute, Moderate
Thymus		Alveolar/Bronchiolar Carcinoma	Metastatic (Lung)
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 31	**TRT#:** 3	**SEX:** Female	**DAY ON TEST:** 729
	DOSE: 2 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 - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Larynx	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	Uterus		

OBSERVATIONS

Bone		Osteopetrosis	Moderate
Intestine Large	Colon	Parasite Metazoan	
Kidney		Nephropathy	Chronic, Marked
Liver		Basophilic Focus	
		Granuloma	Multifocal, Mild
Lung	Alveolar Epith	Hyperplasia	Multifocal, Mild
	Bronchiole	Hyperplasia	Multifocal, Mild
Note: HYPERPLASIA TGLs = 1-5			
Pituitary Gland	Pars Distalis	Adenoma	
Thyroid Gland	C Cell	Hyperplasia	Multifocal, Minimal

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 32	**TRT#:** 1	**SEX:** Female	**DAY ON TEST:** 729
	DOSE: CONTROL	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Clitoral Gland	Esophagus	Intestine Large - Cecum	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Lung	Lymph Node - Mesenteric	Mammary Gland	Ovary
Pancreas	Salivary Glands	Skin	Stomach - Forestomach
Stomach - Glandular	Thymus	Trachea	Urinary Bladder
Uterus			

MISSING

Parathyroid Gland

OBSERVATIONS

Adrenal Gland	Cortex	Degeneration	Fatty, Focal, Minimal
	Cortex	Hypertrophy	Focal, Minimal
Heart		Cardiomyopathy	Moderate
Intestine Large	Colon	Parasite Metazoan	
Kidney		Nephropathy	Chronic, Marked
Larynx		Inflammation	Chronic Active, Mild
Liver		Basophilic Focus	Multiple
		Granuloma	Multifocal, Mild
	Bile Duct	Hyperplasia	Multifocal, Minimal
		Leukemia Mononuclear	
		Mitotic Alteration	Mild
Lymph Node	Mandibular	Hyperplasia	Plasma Cell, Mild
Nose	Nasolacrim Dct	Inflammation	Chronic, Minimal
Pituitary Gland	Pars Distalis	Angiectasis	Multifocal, Moderate
	Pars Distalis	Hyperplasia	Focal, Moderate
[Angiectasis TGLS = 1-1,]			
[Hyperplasia TGLS = 1-1,]			
Spleen		Leukemia Mononuclear	
Thyroid Gland	C Cell	Hyperplasia	Focal, Moderate

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 32	**TRT#:** 1	**SEX:** Female	**DAY ON TEST:** 729
	DOSE: CONTROL	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 32	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 728
	DOSE: 5 PPM	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Clitoral Gland	Esophagus	Intestine Large - Cecum	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose	Ovary
Pancreas	Parathyroid Gland	Salivary Glands	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Trachea
Urinary Bladder	Uterus		

MISSING

Thymus

OBSERVATIONS

Adrenal Gland	Cortex	Degeneration	Fatty, Focal, Marked
Heart		Cardiomyopathy	Moderate
Intestine Large	Colon	Parasite Metazoan	
Kidney		Nephropathy	Chronic, Moderate
Larynx		Inflammation	Chronic Active, Mild
Liver		Basophilic Focus	Multiple
Lung		Alveolar/Bronchiolar Carcinoma	Multiple
	Alveolar Epith	Hyperplasia	Multifocal, Marked
	Bronchiole	Hyperplasia	Multifocal, Marked
Note: A-B CARC. HAVE VARIED MORPHOLOGIES, INCLUDING SQUAMOUS			
Note: ALV BRON CARC TGLs = 3-4+5			
Note: ALV BRON CARC TGLs = 3-14			
Note: MORE THAN 5 A-B CARCINOMAS			
Note: HYPERPLASIA TGLs = 3-4+5+14			
Mammary Gland		Ectasia	Multifocal, Marked
		Hyperplasia	Multifocal, Marked
Note: HYPERPLASIA TGLs = 1+2-13,			
Note: ECTASIA TGLs = 1+2-13,			
Pituitary Gland	Pars Distalis	Adenoma	Two
	Pars Distalis	Angiectasis	Multifocal, Moderate

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 32	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 728
	DOSE: 5 PPM	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 5-1+1.1,]			
[Angiectasis TGLS = 5-1+1.1]			
Thyroid Gland	C Cell	Hyperplasia	Multifocal, Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 32	**TRT#:** 3	**SEX:** Female	**DAY ON TEST:** 729
	DOSE: 2 PPM	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone	Bone Marrow	Brain
Esophagus	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Larynx	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

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Focal, Mild
Clitoral Gland		Adenoma	
Heart		Cardiomyopathy	Moderate
Kidney		Nephropathy	Chronic, Moderate
Liver		Basophilic Focus	Multiple
Lung		Alveolar/Bronchiolar Carcinoma	
		Chordoma	Metastatic (Uncertain Primary Site)
	Alveolar Epith	Hyperplasia	Multifocal, Moderate
Note: ALV BRON CARC TGLs = 4-4,			
Mammary Gland		Ectasia	Multifocal, Mild
Note: ECTASIA TGLs = 1-8,			
Pituitary Gland	Pars Distalis	Adenoma	Two
[Adenoma TGLS = 3-1,]			
Uterus		Polyp Stromal	
Note: WALL OF RIGHT HORN NOT PRESENT			
Note: POLYP STROMAL TGLs = 2-10			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 33	**TRT#:** 1	**SEX:** Female	**DAY ON TEST:** 729
	DOSE: CONTROL	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Clitoral Gland	Esophagus	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Larynx	Lung	Lymph Node - Mandibular
Lymph Node - Mesenteric	Ovary	Parathyroid Gland	Salivary Glands
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Uterus
OBSERVATIONS			
Adrenal Gland	Cortex	Hyperplasia	Focal, Mild
Heart		Cardiomyopathy	Moderate
Kidney		Nephropathy	Chronic, Marked
Note: NEPHROPATHY TGLs = 1-7,			
Liver		Basophilic Focus	Multiple
		Fatty Change	Multifocal, Minimal
		Granuloma	Multifocal, Minimal
Mammary Gland		Ectasia	Multifocal, Marked
Nose	Respirat Epith	Hyperplasia	Minimal
	Mucosa	Inflammation	Chronic Active, Minimal
Pancreas	Acinus	Atrophy	Multifocal, Minimal
Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-1,]			
Urinary Bladder	Serosa	Inflammation	Chronic Active, Moderate
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 33	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 719
	DOSE: 5 PPM	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone	Brain	Clitoral Gland
Esophagus	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Lymph Node - Mandibular	Lymph Node - Mesenteric	Ovary	Parathyroid Gland
Salivary Glands	Skin	Stomach - Glandular	Thyroid Gland
Trachea	Urinary Bladder	Uterus	

MISSING

Thymus

OBSERVATIONS

Adrenal Gland	Medulla	Sarcoma	Metastatic (Lung)
Bone Marrow		Hyperplasia	Mild
Heart		Cardiomyopathy	Minimal
	Atrium Lft	Embolus	Focal, Marked
	Atrium Lft	Inflammation	Acute, Multifocal, Moderate
		Sarcoma	Metastatic (Lung), Multiple (Lung)
Note: 3 SITES OF METASTATIC SARCOMA			
[Inflammation TGLS = 4+5-2]			
Kidney		Nephropathy	Chronic, Moderate
		Sarcoma	Metastatic (Lung)
Note: SARCOMA TGLs = 8-13			
Larynx		Inflammation	Acute, Mild
Liver		Basophilic Focus	
		Granuloma	Multifocal, Minimal
		Hepatodiaphragmatic Nodule	
Note: ANOM. HEP. LOBE= IRREGULAR LOBES			
Note: ANOM HEPAT LOB TGLs = 7-3+3.1+3.2			
Lung		Alveolar/Bronchiolar Carcinoma	Multiple
	Alveolar Epith	Hyperplasia	Multifocal, Marked
	Bronchiole	Hyperplasia	Multifocal, Marked
		Sarcoma	Multiple

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 33	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 719
	DOSE: 5 PPM	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

Note: SARCOMA TGLs = 1-4			
Note: MORE THAN 5 SITES OF SARCOMA			
Note: VARIED MORPHOLOGY OF A-B CARCINOMA			
Note: VARIED MORPHOLOGY OF SARCOMA			
Note: "SARCOMA" POSSIBLY SPINDLE CARCINOMA			
Note: ALV BRON CARC TGLs = 3+1-4			
Note: HYPERPLASIA TGLs = 1-4+5			
Note: MORE THAN 5 SITES OF A-B CARCINOMA			
Note: SARCOMA TGLs = 1+2-5			
Note: ALV BRON CARC TGLs = 1-5			
Lymph Node	Mediastinal	Hemorrhage	Mild
Mammary Gland		Ectasia	Multifocal, Moderate
Nose	Respirat Epith	Hyperplasia	Minimal
	Mucosa	Inflammation	Chronic Active, Moderate
	Mucosa	Ulcer	Multifocal, Moderate
Pancreas		Sarcoma	Metastatic (Lung)
Note: SARCOMA TGLs = 6-6			
Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 9-1]			
Spleen		Hematopoietic Cell Proliferation	Mild
Stomach	Forestomach	Necrosis	Acute, Focal, Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 33	**TRT#:** 3	**SEX:** Female	**DAY ON TEST:** 729
	DOSE: 2 PPM	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone	Bone Marrow	Brain
Clitoral Gland	Esophagus	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Larynx	Lymph Node - Mandibular	Lymph Node - Mesenteric
Nose	Ovary	Pancreas	Parathyroid Gland
Salivary Glands	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Trachea
Urinary Bladder	Uterus		

INSUFFICIENT TISSUE

Pituitary Gland

OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Benign	
Heart		Cardiomyopathy	Mild
Kidney		Nephropathy	Chronic, Moderate
Liver		Vacuolization Cytoplasmic	Multifocal, Minimal
Lung		Alveolar/Bronchiolar Carcinoma	
	Alveolar Epith	Hyperplasia	Multifocal, Marked
Note: HYPERPLASIA TGLs = 1+2-5+13			
Note: ALV BRON CARC TGLs = 3-13			
Mammary Gland		Ectasia	Multifocal, Mild
Pituitary Gl			
Note: PITUITARY DEPLETED			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 34	**TRT#:** 1	**SEX:** Female	**DAY ON TEST:** 657
	DOSE: CONTROL	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Esophagus	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Lymph Node - Mesenteric	Nose	Ovary
Pancreas	Parathyroid Gland	Salivary Glands	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Trachea
Urinary Bladder	Uterus		

MISSING

Clitoral Gland

OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Focal, Mild
	Cortex	Leukemia Mononuclear	
	Medulla	Leukemia Mononuclear	
Bone Marrow		Hyperplasia	Moderate
Brain		Compression	
		Hydrocephalus	Mild
Heart		Cardiomyopathy	Minimal
Kidney		Nephropathy	Chronic, Moderate
		Pigmentation	Diffuse, Mild
Note: PIGMENT TGLs = 8-7,			
Larynx		Inflammation	Chronic, Mild
Liver		Basophilic Focus	Multiple
		Fatty Change	Diffuse, Marked
		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 7-3,			
Lung		Leukemia Mononuclear	
Lymph Node	Mandibular	Hyperplasia	Plasma Cell, Mild
	Mediastinal	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
Mammary Gland		Ectasia	Multifocal, Moderate
		Fibroadenoma	

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 34	**TRT#:** 1	**SEX:** Female	**DAY ON TEST:** 657
	DOSE: CONTROL	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

Note: FIBROADENOMA TGLs = 4-15,			
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA TGLs = 10-1,			
Skin	Subcut Tiss	Fibrosarcoma	
Note: FIBROSARC TGLs = 3-15,			
Spleen		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 6-13,			
Vagina	Epithelium	Hyperplasia	Multifocal, Mild
		Inflammation	Chronic Active, Mild
Note: INFLAMMATION TGLs = 11-16,			
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 34	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 720
	DOSE: 5 PPM	**DISP:** Natural Death	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Brain	Esophagus
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Mammary Gland
Ovary	Pancreas	Parathyroid Gland	Salivary Glands
Skin	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Urinary Bladder	Uterus	

OBSERVATIONS

Adrenal Gland	Cortex	Degeneration	Fatty, Focal, Mild
Bone Marrow		Hyperplasia	Marked
Clitoral Gland		Ectasia	Marked
Note: ECTASIA TGLs = 1-4,			
Heart	Artery, Epicardium	Thrombosis	Moderate
Kidney		Nephropathy	Chronic, Mild
Larynx		Inflammation	Chronic Active, Mild
Liver		Basophilic Focus	Two
		Hemorrhage	Acute, Multifocal, Mild
	Bile Duct	Hyperplasia	Multifocal, Minimal
		Leukemia Mononuclear	
Lung		Alveolar/Bronchiolar Adenoma	
		Alveolar/Bronchiolar Carcinoma	Multiple
	Alveolar Epith	Hyperplasia	Multifocal, Moderate
	Bronchiole	Hyperplasia	Multifocal, Moderate
		Inflammation	Necrotizing, Subacute, Multifocal, Marked
		Leukemia Mononuclear	
Note: ALV BRON CARC TGLs = 2-4+5+13,			
Note: THERE ARE FIVE SITES OF A-B CARC.			
Lymph Node	Mesenteric	Hyperplasia	Reticulum Cell, Mild
	Mandibular	Leukemia Mononuclear	
Nose	Respirat Epith	Hyperplasia	Mild
	Mucosa	Inflammation	Suppurative, Chronic Active, Marked

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 34	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 720
	DOSE: 5 PPM	**DISP:** Natural Death	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

		Thrombosis	Multifocal, Mild
Pituitary Gland	Pars Distalis	Angiectasis	Multifocal, Mild
	Pars Distalis	Cyst	Multiple, Moderate
		Leukemia Mononuclear	
[Angiectasis TGLS = 4-1,]			
[Cyst TGLS = 4-1,]			
[Leukemia Mononuclear TGLS = 4-1,]			
Spleen		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 3-3			
Trachea		Inflammation	Necrotizing, Subacute, Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 34	**TRT#:** 3	**SEX:** Female	**DAY ON TEST:** 703
	DOSE: 2 PPM	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Brain	Clitoral Gland
Esophagus	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose	Ovary
Parathyroid Gland	Salivary Glands	Spleen	Stomach - Forestomach
Stomach - Glandular	Thymus	Trachea	Urinary Bladder
Uterus			

OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Multifocal, Mild
Bone Marrow		Hyperplasia	Marked
Heart		Cardiomyopathy	Mild
Kidney	Epithelium, Pelvis	Mineralization	Moderate
		Nephropathy	Chronic, Mild
Larynx		Inflammation	Chronic, Minimal
Liver		Basophilic Focus	Multiple
		Eosinophilic Focus	
Lung		Alveolar/Bronchiolar Carcinoma	Multiple
	Alveolar Epith	Hyperplasia	Multifocal, Mild
	Bronchiole	Hyperplasia	Multifocal, Mild
Note: ALV BRON CARC TGLs = 2-5,			
Note: THREE CARCINOMAS - 1 HAS MUCH SQUAMOUS DIFFERENTIATION.			
Mammary Gland		Ectasia	Multifocal, Minimal
		Fibroadenoma	
Note: FIBROADENOMA TGLs = 1-13,			
Pancreas	Acinus	Atrophy	Multifocal, Minimal
Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-1,]			
Skin		Basosquamous Tumor Malignant	
Note: BASOSQU TM MAL TGLs = 4-14,			
Thyroid Gland	C Cell	Hyperplasia	Focal, Moderate

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 34	**TRT#:** 3	**SEX:** Female	**DAY ON TEST:** 703
	DOSE: 2 PPM	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH	-

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 35	**TRT#:** 1	**SEX:** Female	**DAY ON TEST:** 520
	DOSE: CONTROL	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Brain	Clitoral Gland
Esophagus	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Kidney	Larynx	Lymph Node - Mandibular
Mammary Gland	Nose	Ovary	Pancreas
Parathyroid Gland	Salivary Glands	Stomach - Forestomach	Stomach - Glandular
Thymus	Trachea	Urinary Bladder	

OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Focal, Moderate
Bone Marrow		Hyperplasia	Moderate
Liver	Bile Duct	Hyperplasia	Multifocal, Minimal
		Leukemia Mononuclear	
Lung		Leukemia Mononuclear	
Lymph Node	Mesenteric	Hemorrhage	Acute, Mild
		Leukemia Mononuclear	
Pituitary Gland	Pars Distalis	Angiectasis	Multifocal, Moderate
	Pars Distalis	Hyperplasia	Focal, Mild
Skin	Epidermis	Hyperplasia	Focal, Mild
	Subcut Tiss	Sarcoma	
Note: SARCOMA TGLs = 1-13,			
Spleen		Hematopoietic Cell Proliferation	Mild
		Leukemia Mononuclear	
Thyroid Gland	Follicular Cel	Hypertrophy	Diffuse, Mild
Uterus	Bilateral	Polyp Stromal	

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 35	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 567
	DOSE: 5 PPM	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Clitoral Gland	Esophagus
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Larynx
Lymph Node - Mesenteric	Ovary	Pancreas	Salivary Glands
Skin	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder	Uterus	

MISSING

Lymph Node - Mandibular

OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Multifocal, Minimal
Bone Marrow		Hyperplasia	Mild
Brain		Astrocytoma Malignant	
		Compression	
		Hydrocephalus	Moderate
Heart		Cardiomyopathy	Minimal
Kidney		Nephropathy	Chronic, Marked
Note: NEPHROPATHY TGLs = 4-7			
Liver		Basophilic Focus	
	Periportal	Fatty Change	Diffuse, Moderate
		Granuloma	Multifocal, Mild
Lung		Alveolar/Bronchiolar Adenoma	
		Alveolar/Bronchiolar Carcinoma	Multiple
	Alveolar Epith	Hyperplasia	Multifocal, Marked
	Bronchiole	Hyperplasia	Multifocal, Marked
Note: ALV BRON CARC TGLs = 1-5,			
Lymph Node	Pancreatic	Hyperplasia	Lymphoid, Mild
Mammary Gland		Ectasia	Multifocal, Moderate
		Hyperplasia	Focal, Marked
Note: HYPERPLASIA TGLs = 3-13,			
Nose	Respirat Epith	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 35	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 567
	DOSE: 5 PPM	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

Note: HYPERPLASIA IS OF GOBLET CELLS AND GLANDS			
Parathyroid Gland		Hyperplasia	Diffuse, Mild
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA TGLs = 2-1+1.1,			
Spleen		Pigmentation	Hemosiderin, Mild
Stomach	Forestomach	Inflammation	Chronic Active, Mild
	Forestomach	Ulcer	Multifocal, Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 35	**TRT#:** 3	**SEX:** Female	**DAY ON TEST:** 428
	DOSE: 2 PPM	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Brain
Clitoral Gland	Esophagus	Heart	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Lung	Lymph Node - Mandibular	Nose
Ovary	Pancreas	Parathyroid Gland	Pituitary Gland
Salivary Glands	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Trachea
Urinary Bladder			
MISSING			
Intestine Large - Cecum	Larynx		
OBSERVATIONS			
Bone Marrow		Hyperplasia	Moderate
Kidney	Epithelium, Pelvis	Mineralization	Minimal
		Nephropathy	Chronic, Minimal
Liver		Granuloma	Multifocal, Minimal
	Bile Duct	Hyperplasia	Multifocal, Minimal
	Portal	Inflammation	Chronic, Multifocal, Minimal
Mammary Gland		Fibroadenoma	
Note: FIBROADENOMA TGLs = 1-16+17+17.1+17.2			
Note: IN TGL, 17.1AND 17.2 ARE ACTUALLY 17A AND 17B			
Uterus		Polyp Stromal	
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 36	**TRT#:** 1	**SEX:** Female	**DAY ON TEST:** 638
	DOSE: CONTROL	**DISP:** Moribund 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	Ovary	Pituitary Gland
Salivary Glands	Skin	Stomach - Glandular	Thyroid Gland
Trachea	Urinary Bladder	Uterus	

OBSERVATIONS

Bone		Fibrous Osteodystrophy	Moderate
Bone Marrow		Hyperplasia	Moderate
Heart		Cardiomyopathy	Minimal
Kidney		Nephropathy	Chronic, Marked
Note: NEPHROPATHY TGLs = 5-7,			
Larynx		Inflammation	Chronic Active, Moderate
Liver		Inflammation	Chronic Active, Multifocal, Moderate
Note: INFLAMMATION TGLs = 3+4-6,			
Note: INFLAM. FOCI VARY FROM ACUTE NECROTIC TO GRANULOMATOUS			
Lung	Artery	Mineralization	Multifocal, Mild
Lymph Node	Mediastinal	Inflammation	Acute, Moderate
Note: INFLAMMATION TGLs = 1-10,			
Mammary Gland		Ectasia	Multifocal, Mild
Nose	Respirat Epith	Hyperplasia	Minimal
	Mucosa	Inflammation	Suppurative, Chronic Active, Marked
Pancreas	Acinus	Hyperplasia	Focal, Minimal
Parathyroid Gland		Hyperplasia	Diffuse, Marked
Spleen		Hematopoietic Cell Proliferation	Moderate
Stomach	Forestomach	Inflammation	Chronic Active, Marked
	Forestomach	Ulcer	Multifocal, Moderate
Note: INFLAMMATION TGLs = 8-8,			
Note: ULCER TGLs = 8-8,			
Thymus	Epithel Cell	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 36	**TRT#:** 1	**SEX:** Female	**DAY ON TEST:** 638
	DOSE: CONTROL	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

Note: HYPERPLASIA TGLs = 1-10,

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 36	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 728
	DOSE: 5 PPM	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone	Brain	Clitoral Gland
Esophagus	Intestine Large - Cecum	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Ovary
Pancreas	Skin	Stomach - Forestomach	Stomach - Glandular
Trachea	Urinary Bladder		

MISSING

Parathyroid Gland

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Focal, Minimal
Bone Marrow		Hyperplasia	Moderate
Heart		Cardiomyopathy	Moderate
Intestine Large	Colon	Parasite Metazoan	
Kidney		Nephropathy	Chronic, Moderate
Larynx		Inflammation	Chronic, Mild
Liver	Centrilobular	Atrophy	Multifocal, Mild
		Basophilic Focus	Mild
	Bile Duct	Hyperplasia	Multifocal, Moderate
		Leukemia Mononuclear	
		Necrosis	Acute, Focal, Minimal
Note: ATROPHY TGLs = 4-3,			
Lung		Alveolar/Bronchiolar Carcinoma	Multiple
	Alveolar Epith	Hyperplasia	Multifocal, Marked
	Bronchiole	Hyperplasia	Multifocal, Marked
		Leukemia Mononuclear	
Note: 5 SITES OF A-B CARC. IN LEFT			
Note: ALV BRON CARC TGLs = 1-13,			
Note: ALV BRON CARC TGLs = 2-4+5,			
Note: VARIED MORPHOLOGY INCLUDING SQUAMOUS			
Note: MORE THAN 5 SITES OF A-B CARC. IN RIGHT			
Lymph Node	Mandibular	Hyperplasia	Reticulum Cell, Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 36	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 728
	DOSE: 5 PPM	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

	Mesenteric	Hyperplasia	Reticulum Cell, Mild
	Pancreatic	Leukemia Mononuclear	
Mammary Gland		Hyperplasia	Diffuse, Mild
Nose	Mucosa	Inflammation	Chronic Active, Mild
Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 5-1,]			
Salivary Glands		Cytomegaly	Focal, Mild
Spleen		Fibrosis	Focal, Moderate
		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 3-3+14,			
Thymus		Alveolar/Bronchiolar Carcinoma	Metastatic (Lung)
Thyroid Gland	C Cell	Adenoma	
	Follicular Cel	Adenoma	
	C Cell	Hyperplasia	Multifocal, Moderate
Uterus		Polyp Stromal	
Note: POLYP STROMAL TGLs = 6-10,			
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 36	**TRT#:** 3	**SEX:** Female	**DAY ON TEST:** 729
	DOSE: 2 PPM	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone	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	Pancreas	Salivary Glands	Spleen
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder	Uterus	

MISSING

Parathyroid Gland

OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Benign	
Bone Marrow		Hyperplasia	Mild
Clitoral Gland		Abscess	Marked
		Carcinoma	
Note: ABSCESS TGLs = 1-9,			
Note: CARCINOMA TGLs = 1-9,			
Heart		Cardiomyopathy	Minimal
Kidney		Nephropathy	Chronic, Moderate
Larynx		Inflammation	Chronic Active, Mild
Liver		Basophilic Focus	Multiple
		Granuloma	Multifocal, Minimal
Lung	Alveolar Epith	Hyperplasia	Focal, Minimal
Lymph Node	Mesenteric	Hemorrhage	Acute, Mild
Mammary Gland		Ectasia	Multifocal, Mild
		Hyperplasia	Focal, Marked
Note: HYPERPLASIA TGLs = 1-9			
Note: ECTASIA TGLs = 2-8,			
Ovary		Cyst	Moderate
Note: CYST TGLs = 3-9,			
Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 5-1+1.1]			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 36	**TRT#:** 3	**SEX:** Female	**DAY ON TEST:** 729
	DOSE: 2 PPM	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

Skin	Squamous Cell Papilloma
Note: PAPILLOMA SQUA TGLs = 4-13	
PRIMARY CAUSE OF DEATH	-

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 37	**TRT#:** 1	**SEX:** Female	**DAY ON TEST:** 727
	DOSE: CONTROL	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone	Bone Marrow	Brain
Clitoral Gland	Esophagus	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Larynx	Lung	Lymph Node - Mandibular
Lymph Node - Mesenteric	Mammary Gland	Nose	Ovary
Pancreas	Parathyroid Gland	Salivary Glands	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus
Trachea	Urinary Bladder	Uterus	

MISSING

Adrenal Gland - Medulla

OBSERVATIONS

Heart		Cardiomyopathy	Minimal
Kidney		Nephropathy	Chronic, Marked
Liver		Basophilic Focus	Multiple
		Granuloma	Multifocal, Minimal
		Hepatodiaphragmatic Nodule	
Note: ANOM HEPAT LOB TGLs = 2-13,			
Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Cyst	Multiple, Mild
[Adenoma TGLS = 3-1,]			
Thyroid Gland	C Cell	Carcinoma	

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 37	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 728
	DOSE: 5 PPM	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone	Brain	Esophagus
Intestine Large - Cecum	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Larynx	Lymph Node - Mandibular
Parathyroid Gland	Salivary Glands	Spleen	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

MISSING

Lymph Node - Mesenteric

OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Complex	
Note: PHEOCHROM CPLX TGLs = 8-7,			
Bone Marrow		Hyperplasia	Moderate
Clitoral Gland		Ectasia	Mild
Heart		Cardiomyopathy	Mild
Intestine Large	Colon	Parasite Metazoan	
Kidney		Nephropathy	Chronic, Marked
Liver		Basophilic Focus	Multiple
		Granuloma	Multifocal, Minimal
Lung		Alveolar/Bronchiolar Carcinoma	Multiple
	Alveolar Epith	Hyperplasia	Multifocal, Marked
	Bronchiole	Hyperplasia	Multifocal, Marked
		Squamous Cell Carcinoma	
Note: ALV BRON ADEN TGLs = 5-5			
Note: SQUAM CEL CARC TGLs = 7-13			
Note: ALV BRON CARC TGLs = 6-4+4.1			
Mammary Gland		Ectasia	Multifocal, Mild
Note: ECTASIA TGLs = 3-8			
Nose	Mucosa	Inflammation	Chronic Active, Minimal
	Nasolacrim Dct	Inflammation	Suppurative, Chronic Active, Mild
Pancreas	Acinus	Atrophy	Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 37	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 728
	DOSE: 5 PPM	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

	Artery	Inflammation	Chronic Active, Multifocal, Moderate
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA TGLs = 9-1			
Skin	Subcut Tiss	Fibroma	
Note: FIBROMA TGLs = 1-14			
Uterus		Hyperplasia	Mild
		Polyp Stromal	
Note: POLYP STROMAL TGLs = 4-10.1			
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 37	**TRT#:** 3	**SEX:** Female	**DAY ON TEST:** 729
	DOSE: 2 PPM	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Clitoral Gland	Esophagus	Intestine Large - Cecum
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Larynx	Lymph Node - Mandibular	Lymph Node - Mesenteric
Mammary Gland	Nose	Ovary	Parathyroid Gland
Salivary Glands	Skin	Stomach	Thyroid Gland
Trachea	Urinary Bladder	Uterus	

OBSERVATIONS

Heart		Cardiomyopathy	Mild
Intestine Large	Colon	Parasite Metazoan	
Kidney		Nephropathy	Chronic, Marked
Liver		Basophilic Focus	Multiple
		Leukemia Mononuclear	
		Mixed Cell Focus	
Note: MIXED CL FOCUS TGLs = 4-13,			
Lung		Alveolar/Bronchiolar Carcinoma	Two
	Alveolar Epith	Hyperplasia	Multifocal, Mild
Note: ALV BRON CARC TGLs = 2-5,			
Note: ALV BRON CARC TGLs = 1+3-4,			
Pancreas	Acinus	Hyperplasia	Focal, Mild
Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 5-1,]			
Spleen		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 38	**TRT#:** 1	**SEX:** Female	**DAY ON TEST:** 525
	DOSE: CONTROL	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	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	Larynx	Lung
Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose	Ovary
Parathyroid Gland	Salivary Glands	Skin	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder

OBSERVATIONS

Brain		Compression	
		Hydrocephalus	Mild
Kidney		Nephropathy	Chronic, Mild
Liver		Eosinophilic Focus	
		Granuloma	Multifocal, Mild
Note: EOSIN FOCUS TGLs = 2-13			
Mammary Gland		Hyperplasia	Diffuse, Mild
Pancreas	Acinus	Atrophy	Focal, Mild
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA TGLs = 3-1+1.1			
Spleen		Pigmentation	Hemosiderin, Mild
Stomach	Forestomach	Inflammation	Chronic Active, Minimal
	Forestomach	Ulcer	Single, Minimal
Uterus		Polyp Stromal	
Note: POLYP STROMAL TGLs = 1-13,			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 38	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 728
	DOSE: 5 PPM	**DISP:** Terminal Sacrifice	**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	Larynx	Lymph Node - Mandibular
Lymph Node - Mesenteric	Ovary	Salivary Glands	Skin
Stomach - Glandular	Thymus	Thyroid Gland	Trachea
Urinary Bladder	Uterus		

OBSERVATIONS

Adrenal Gland	Cortex	Degeneration	Fatty, Multifocal, Mild
	Cortex	Leukemia Mononuclear	
	Medulla	Leukemia Mononuclear	
Bone Marrow		Hyperplasia	Mild
Heart		Cardiomyopathy	Minimal
Kidney		Nephropathy	Chronic, Marked
Liver		Fatty Change	Multifocal, Mild
		Leukemia Mononuclear	
Lung		Alveolar/Bronchiolar Carcinoma	Multiple
	Alveolar Epith	Hyperplasia	Multifocal, Marked
	Bronchiole	Hyperplasia	Multifocal, Marked
		Inflammation	Necrotizing, Acute, Multifocal, Marked
		Leukemia Mononuclear	
		Squamous Cell Carcinoma	
Note: SQUAM CEL CARC TGLs = 2-4,			
Note: ALV BRON CARC TGLs = 2-4+5,			
Note: ALV BRON CARC TGLs = 1-13,			
Lymph Node	Pancreatic	Leukemia Mononuclear	
Mammary Gland		Ectasia	Multifocal, Moderate
Nose	Mucosa	Inflammation	Chronic Active, Minimal
Pancreas		Alveolar/Bronchiolar Carcinoma	Metastatic (Lung)
Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 4-1,]			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 38	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 728
	DOSE: 5 PPM	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

Spleen		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 3-3+14,			
Stomach	Epithelium, Forestomach	Hyperplasia	Diffuse, Moderate
	Forestomach	Inflammation	Chronic Active, Moderate
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 38	**TRT#:** 3	**SEX:** Female	**DAY ON TEST:** 689
	DOSE: 2 PPM	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Esophagus	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Larynx	Lymph Node - Mandibular	Lymph Node - Mesenteric
Nose	Ovary	Pancreas	Parathyroid Gland
Salivary Glands	Skin	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	Uterus

OBSERVATIONS

Adrenal Gland	Cortex	Degeneration	Fatty, Focal, Moderate
Bone Marrow		Hyperplasia	Mild
Brain		Compression	
		Hydrocephalus	Mild
Clitoral Gland		Abscess	Moderate
Heart		Cardiomyopathy	Minimal
Islets, Pancreatic		Hyperplasia	Multifocal, Minimal
Kidney		Nephropathy	Chronic, Marked
Liver		Fatty Change	Multifocal, Moderate
		Granuloma	Multifocal, Mild
Note: FATTY CHANGE TGLs = 3-3			
Lung	Alveolar Epith	Hyperplasia	Multifocal, Minimal
Mammary Gland		Ectasia	Multifocal, Mild
		Fibroadenoma	
Note: FIBROADENOMA TGLs = 2-8+13			
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA TGLs = 6-1			
Spleen		Depletion Lymphoid	Marked
		Fibrosis	Multifocal, Moderate
		Pigmentation	Hemosiderin, Moderate
Note: FIBROSIS TGLs = 5-3			
Stomach	Forestomach	Inflammation	Acute, Moderate
Note: MULTIPLE VESICLES IN EPITHELIUM OF FORESTOMACH			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 38	**TRT#:** 3	**SEX:** Female	**DAY ON TEST:** 689
	DOSE: 2 PPM	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH	-

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 39	**TRT#:** 1	**SEX:** Female	**DAY ON TEST:** 727
	DOSE: CONTROL	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone	Brain	Clitoral Gland
Esophagus	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Islets, Pancreatic	Kidney
Larynx	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

MISSING

Adrenal Gland - Medulla	Intestine Small - Jejunum

OBSERVATIONS

Bone Marrow		Hyperplasia	Minimal
Heart		Cardiomyopathy	Minimal
Liver		Basophilic Focus	Multiple
Lung	Alveolar Epith	Hyperplasia	Focal, Minimal
Mammary Gland		Fibroadenoma	Two
Note: FIBROADENOMA TGLs = 2-14,			
Note: FIBROADENOMA TGLs = 1-13,			
Pituitary Gland	Pars Distalis	Adenoma	Two
Note: ADENOMA TGLs = 3-1,			
Thymus	Epithel Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 39	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 728
	DOSE: 5 PPM	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Clitoral Gland	Esophagus	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Mammary Gland	Ovary	Pancreas
Parathyroid Gland	Salivary Glands	Skin	Stomach - Forestomach
Stomach - Glandular	Thyroid Gland	Trachea	Urinary Bladder
Uterus			

MISSING

Thymus

OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Focal, Mild
Heart		Cardiomyopathy	Moderate
Kidney		Nephropathy	Chronic, Moderate
Larynx		Inflammation	Chronic, Mild
Liver		Basophilic Focus	Multiple
Lung		Alveolar/Bronchiolar Carcinoma	Two
	Alveolar Epith	Hyperplasia	Multifocal, Marked
	Bronchiole	Hyperplasia	Multifocal, Marked
Note: ALV BRON CARC TGLs = 1-4+5,			
Note: HYPERPLASIA TGLs = 1-4+5,			
Lymph Node	Mediastinal	Hemorrhage	Mild
	Mandibular	Hyperplasia	Lymphoid, Mild
	Mediastinal	Hyperplasia	Lymphoid, Mild
	Mesenteric	Hyperplasia	Lymphoid, Mild
Nose	Respirat Epith	Hyperplasia	Minimal
	Mucosa	Inflammation	Chronic Active, Mild
Pituitary Gland	Pars Distalis	Adenoma	
Note: [ADENOMA] TGLs = 2-1			
Spleen		Pigmentation	Hemosiderin, Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 39	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 728
	DOSE: 5 PPM	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 39	**TRT#:** 3	**SEX:** Female	**DAY ON TEST:** 729
	DOSE: 2 PPM	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	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
Salivary Glands	Skin	Stomach - Forestomach	Stomach - Glandular
Thymus	Trachea	Urinary Bladder	Uterus

MISSING

Parathyroid Gland

OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Multifocal, Mild
Brain	Chor Plexus	Hyperplasia	Focal, Moderate
Heart		Cardiomyopathy	Minimal
Kidney		Nephropathy	Chronic, Marked
Note: NEPHROPATHY TGLs = 7-7,			
Larynx		Hyperplasia	Papillary, Focal, Mild
		Inflammation	Chronic Active, Mild
Liver		Basophilic Focus	Multiple
Lung		Alveolar/Bronchiolar Carcinoma	Two
	Alveolar Epith	Hyperplasia	Multifocal, Marked
	Bronchiole	Hyperplasia	Multifocal, Marked
Note: HYPERPLASIA TGLs = 3+5-4+5,			
Note: ALV BRON CARC TGLs = 4-5,			
Mammary Gland		Hyperplasia	Diffuse, Minimal
Pancreas	Acinus	Atrophy	Multifocal, Minimal
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA TGLs = 8-1,			
Spleen		Pigmentation	Hemosiderin, Moderate
Thyroid Gland	C Cell	Adenoma	
Note: ADENOMA TGLs = 2-2,			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 39	**TRT#:** 3	**SEX:** Female	**DAY ON TEST:** 729
	DOSE: 2 PPM	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 40	**TRT#:** 1	**SEX:** Female	**DAY ON TEST:** 673
	DOSE: CONTROL	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Brain	Esophagus
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Larynx	Lung	Lymph Node - Mandibular	Mammary Gland
Nose	Ovary	Pancreas	Parathyroid Gland
Pituitary Gland	Salivary Glands	Skin	Thymus
Trachea	Urinary Bladder	Uterus	

OBSERVATIONS

Adrenal Gland	Cortex	Degeneration	Fatty, Diffuse, Mild
	Cortex	Degeneration	Fatty, Focal, Moderate
Bone Marrow		Hyperplasia	Mild
		Leukemia Mononuclear	
Clitoral Gland		Hyperplasia	Mild
Kidney		Nephropathy	Chronic, Minimal
Liver	Centrilobular	Fatty Change	Diffuse, Marked
		Leukemia Mononuclear	
Note: FATTY CHANGE TGLs = 5-3,			
Lymph Node	Mesenteric	Hemorrhage	Acute, Moderate
	Pancreatic	Hemorrhage	Marked
	Mediastinal	Leukemia Mononuclear	
Mesentery		Accessory Spleen	
Note: ACCESSORY SPLN TGLs = 4-13,			
Spleen		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 3-13,			
Stomach	Epithelium, Forestomach	Hyperplasia	Diffuse, Moderate
	Glandular, Mucosa	Necrosis	Acute, Focal, Mild
	Forestomach	Ulcer	Single, Mild
Note: HYPERPLASIA TGLs = 7-8,			
Thyroid Gland	C Cell	Hyperplasia	Multifocal, Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 40	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 696
	DOSE: 5 PPM	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Bone Marrow	Brain	Clitoral Gland
Esophagus	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Islets, Pancreatic	Lymph Node - Mandibular	Lymph Node - Mesenteric
Pancreas	Parathyroid Gland	Skin	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Trachea
Urinary Bladder	Uterus		

AUTO PRECLUDES DIAG.

Intestine Small - Jejunum

OBSERVATIONS

Adrenal Gland	Cortex	Alveolar/Bronchiolar Carcinoma	Metastatic (Lung)
	Medulla	Hyperplasia	Focal, Mild
Note: 1991 CONVERSION DISCREPANCY. ORIGINAL DIAGNOSIS SITE NOT SPECIFIED			
Heart		Alveolar/Bronchiolar Carcinoma	Metastatic (Lung), Multiple (Lung)
Note: ALV BRON CARC TGLs = 9-2+2.1			
Intestine Large	Cecum	Inflammation	Chronic Active, Mild
Kidney		Alveolar/Bronchiolar Carcinoma	Metastatic (Lung)
		Nephropathy	Chronic, Minimal
Note: ALV BRON CARC TGLs = 7-7			
Larynx		Inflammation	Chronic Active, Mild
Liver	Centrilobular	Atrophy	Diffuse, Mild
Lung		Alveolar/Bronchiolar Carcinoma	Multiple
	Alveolar Epith	Hyperplasia	Multifocal, Marked
	Bronchiole	Hyperplasia	Multifocal, Marked
Note: ALV BRON CARC TGLs = 3-5			
Note: LEFT CARC. IS LARGE, HAS MUCH SQUAMOUS DIFF.			
Note: ALV BRON CARC TGLs = 2-4			
Lymph Node	Mediastinal	Alveolar/Bronchiolar Carcinoma	Metastatic (Lung)
	Mediastinal	Hemorrhage	Moderate
Mammary Gland		Hyperplasia	Diffuse, Moderate
Nose	Mucosa	Inflammation	Chronic Active, Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 40	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 696
	DOSE: 5 PPM	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

Ovary		Alveolar/Bronchiolar Carcinoma	Metastatic (Lung)
		Cyst	Moderate
Note: ALV BRON CARC TGLs = 4-9			
Note: CYST TGLs = 5-9			
Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 8-1]			
Salivary Glands		Alveolar/Bronchiolar Carcinoma	Metastatic (Lung)
		Inflammation	Acute, Focal, Moderate
Spleen		Depletion Lymphoid	Moderate
Tissue NOS		Alveolar/Bronchiolar Carcinoma	Metastatic (Lung), Multiple (Lung)
Note: PARIETAL PLEURA OF RIB CAGE.			
Note: ALV BRON CARC TGLs = 1-13			
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 40	**TRT#:** 3	**SEX:** Female	**DAY ON TEST:** 612
	DOSE: 2 PPM	**DISP:** Natural Death	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
Adrenal Gland	Bone	Brain	Clitoral Gland
Esophagus	Intestine Large - Cecum	Intestine Large - Rectum	Intestine Small - Ileum
Larynx	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
Uterus			
AUTO PRECLUDES DIAG.			
Intestine Large - Colon	Intestine Small - Duodenum	Intestine Small - Jejunum	Pituitary Gland
OBSERVATIONS			
Bone Marrow		Hyperplasia	Mild
Heart		Cardiomyopathy	Minimal
Islets, Pancreatic		Hyperplasia	Multifocal, Mild
Kidney		Nephropathy	Chronic, Minimal
Liver		Basophilic Focus	Multiple
	Periportal	Fatty Change	Diffuse, Mild
Lung	Alveolar Epith	Hyperplasia	Multifocal, Mild
	Alveolar Epith	Hyperplasia	Atypical, Focal, Marked
Urinary Bladder		Schwannoma Malignant	
Note: [SCHWANNOMA MAL] TGLs = 2-13+8.1			
Vagina		Schwannoma Malignant	Metastatic (Urinary Bladder)
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 41	**TRT#:** 1	**SEX:** Female	**DAY ON TEST:** 727
	DOSE: CONTROL	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Clitoral Gland	Esophagus	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Jejunum
Islets, Pancreatic	Lung	Lymph Node - Mandibular	Ovary
Salivary Glands	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Thymus	Trachea	Urinary Bladder
Uterus			

MISSING

Parathyroid Gland

OBSERVATIONS

Heart		Cardiomyopathy	Mild
Intestine Small	Ileum	Inflammation	Chronic Active, Minimal
Kidney	Medulla	Mineralization	Multifocal, Minimal
		Nephropathy	Chronic, Mild
Larynx		Inflammation	Chronic Active, Mild
Liver		Basophilic Focus	Multiple
Lymph Node	Mesenteric	Inflammation	Chronic Active, Minimal
Mammary Gland		Hyperplasia	Diffuse, Mild
Note: HYPERPLASIA TGLs = 1-8,			
Mesentery	Fat	Necrosis	Focal, Moderate
Note: NECROSIS TGLs = 2-6,			
Nose	Respirat Epith	Hyperplasia	Minimal
	Nasolacrim Dct	Inflammation	Chronic Active, Moderate
Pancreas	Acinus	Atrophy	Multifocal, Mild
Pituitary Gland	Pars Distalis	Adenoma	
	Pars Intermed	Angiectasis	Multifocal, Moderate
Note: ADENOMA TGLs = 3-1,			
Thyroid Gland	C Cell	Hyperplasia	Multifocal, Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 41	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 560
	DOSE: 5 PPM	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Esophagus
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Larynx
Lymph Node - Mesenteric	Ovary	Parathyroid Gland	Salivary Glands
Skin	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	Uterus

OBSERVATIONS

Adrenal Gland	Cortex	Degeneration	Fatty, Diffuse, Mild
Brain		Compression	
Clitoral Gland		Ectasia	Moderate
Islets, Pancreatic		Hyperplasia	Multifocal, Mild
Kidney		Nephropathy	Chronic, Mild
Liver	Periportal	Fatty Change	Multifocal, Moderate
Lung		Alveolar/Bronchiolar Carcinoma	Multiple
	Alveolar Epith	Hyperplasia	Multifocal, Marked
	Bronchiole	Hyperplasia	Multifocal, Marked
Note: ALV BRON CARC TGLs = 2-4			
Note: 4 SITES OF A-B CARCINOMA IN RIGHT, 2 IN LEFT			
Note: ALV BRON CARC TGLs = 1-5			
Lymph Node	Mandibular	Hemorrhage	Acute, Mild
	Mediastinal	Hyperplasia	Mild
Mammary Gland		Ectasia	Diffuse, Mild
		Hyperplasia	Diffuse, Mild
Nose	Respirat Epith	Hyperplasia	Mild
	Mucosa	Inflammation	Suppurative, Chronic Active, Marked
	Nasolacrim Dct	Inflammation	Chronic Active, Mild
Pancreas	Acinus	Atrophy	Multifocal, Minimal
		Ectopic Tissue	
Note: SMALL CLUSTER OF HEPATOCYTES			
Pituitary Gland	Pars Distalis	Adenoma	

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 41	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 560
	DOSE: 5 PPM	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

Note: ADENOMA TGLs = 3-1			
Spleen		Pigmentation	Hemosiderin, Moderate
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 41	**TRT#:** 3	**SEX:** Female	**DAY ON TEST:** 729
	DOSE: 2 PPM	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow	Brain	Esophagus	Intestine Large - Cecum
Intestine Large - Colon	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Larynx	Lymph Node - Mandibular	Lymph Node - Mesenteric
Mammary Gland	Nose	Ovary	Pancreas
Parathyroid Gland	Salivary Glands	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Tongue	Trachea	Urinary Bladder	

OBSERVATIONS

Adrenal Gland	Cortex	Degeneration	Fatty, Focal, Mild
	Medulla	Pheochromocytoma Benign	
Bone		Osteopetrosis	Mild
Clitoral Gland		Inflammation	Granulomatous, Focal, Mild
Heart		Cardiomyopathy	Minimal
Intestine Large	Rectum	Parasite Metazoan	
Kidney		Nephropathy	Chronic, Moderate
Liver		Angiectasis	Focal, Moderate
		Basophilic Focus	Multiple
		Cytoplasmic Alteration	Focal, Moderate
		Mixed Cell Focus	
Note: ANGIECTASIS TGLs = 4-3,			
[Basophilic Focus TGLS = 4-3,]			
Lung		Alveolar/Bronchiolar Carcinoma	
	Alveolar Epith	Hyperplasia	Multifocal, Moderate
	Bronchiole	Hyperplasia	Multifocal, Moderate
Note: ALV BRON CARC TGLs = 1-5,			
Note: HYPERPLASIA TGLs = 2-4,			
Pituitary Gland	Pars Distalis	Carcinoma	
[Carcinoma TGLS = 5-1,]			
Uterus		Polyp Stromal	

PRIMARY CAUSE OF DEATH	-

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 42	**TRT#:** 1	**SEX:** Female	**DAY ON TEST:** 658
	DOSE: CONTROL	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Brain
Esophagus	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Larynx	Lymph Node - Mesenteric	Ovary	Pancreas
Salivary Glands	Skin	Stomach - Glandular	Thyroid Gland
Trachea	Urinary Bladder		

MISSING

Parathyroid Gland

OBSERVATIONS

Bone Marrow		Hyperplasia	Mild
		Myelofibrosis	Focal, Minimal
Clitoral Gland		Ectasia	Marked
Note: ECTASIA TGLs = 4-13,			
Heart	Epicardium	Inflammation	Chronic, Focal, Mild
	Atrium Lft	Thrombosis	Marked
Note: THROMBUS TGLs = 5-2+2.1,			
Kidney		Leukemia Mononuclear	
	Prox Con Tub	Necrosis	Acute, Mild
		Nephropathy	Chronic, Mild
		Pigmentation	Diffuse, Moderate
Note: PIGMENT TGLs = 8-7,			
Liver	Centrilobular	Atrophy	Multifocal, Mild
	Centrilobular	Fatty Change	Diffuse, Marked
	Bile Duct	Hyperplasia	Multifocal, Mild
		Leukemia Mononuclear	
Note: FATTY CHANGE TGLs = 7-3,			
Lung	Mediastinum	Leukemia Mononuclear	
		Leukemia Mononuclear	
Lymph Node	Mandibular	Leukemia Mononuclear	
Mammary Gland		Hyperplasia	Diffuse, Moderate

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 42	**TRT#:** 1	**SEX:** Female	**DAY ON TEST:** 658
	DOSE: CONTROL	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

Nose		Thrombosis	Multifocal, Moderate
Pituitary Gland	Pars Distalis	Cyst	Multiple, Mild
	Pars Distalis	Hyperplasia	Focal, Mild
Note: HYPERPLASIA TGLs = 9-1,			
Note: CYST TGLs = 9-1,			
Spleen		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 6-3,			
Stomach	Forestomach	Erosion	Focal, Mild
	Epithelium, Forestomach	Hyperplasia	Focal, Mild
	Forestomach	Inflammation	Chronic Active, Mild
Thymus		Leukemia Mononuclear	
Uterus	Bilateral	Polyp Stromal	
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 42	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 584
	DOSE: 5 PPM	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Clitoral Gland	Esophagus	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Jejunum
Larynx	Lymph Node - Mandibular	Lymph Node - Mesenteric	Ovary
Pancreas	Parathyroid Gland	Salivary Glands	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Trachea
Urinary Bladder	Uterus		

OBSERVATIONS

Heart		Cardiomyopathy	Mild
Intestine Small	Ileum	Infiltration Cellular	Lymphocyte, Diffuse, Moderate
Islets, Pancreatic		Carcinoma	
Note: CARCINOMA TGLs = 5-6,			
Kidney		Nephropathy	Chronic, Minimal
Liver		Granuloma	Multifocal, Mild
Lung		Alveolar/Bronchiolar Carcinoma	Multiple
	Alveolar Epith	Hyperplasia	Multifocal, Marked
	Bronchiole	Hyperplasia	Multifocal, Marked
Note: HYPERPLASIA TGLs = 4-4+5+13,			
Note: MORE THAN 5 SITES OF A-B CARCINOMA			
Note: ALV BRON CARC TGLs = 4-4+5+13,			
Mammary Gland		Ectasia	Multifocal, Mild
Note: ECTASIA TGLs = 3-3,			
Mesentery	Fat	Necrosis	Focal, Marked
Note: NECROSIS TGLs = 7-14,			
Nose	Mucosa	Inflammation	Chronic Active, Mild
Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
[Hyperplasia TGLS = 8-1+1.1,]			
Skin		Inflammation	Chronic Active, Focal, Mild
Note: INFLAMMATION TGLs = 1+2-3,			
Spinal Cord		Degeneration	Secondary Wall, Multifocal, Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 42	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 584
	DOSE: 5 PPM	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

Spleen		Pigmentation	Hemosiderin, Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 42	**TRT#:** 3	**SEX:** Female	**DAY ON TEST:** 729
	DOSE: 2 PPM	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Clitoral Gland	Esophagus	Intestine Large - Cecum	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Lymph Node - Mandibular	Ovary	Pancreas	Parathyroid Gland
Pituitary Gland	Skin	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder
Uterus			

OBSERVATIONS

Adrenal Gland	Cortex	Angiectasis	Multifocal, Mild
Heart		Cardiomyopathy	Minimal
Intestine Large	Colon	Parasite Metazoan	
Kidney		Nephropathy	Chronic, Marked
Larynx		Inflammation	Chronic Active, Moderate
Liver		Basophilic Focus	Multiple
	Bile Duct	Hyperplasia	Multifocal, Minimal
Lung	Alveolar Epith	Hyperplasia	Multifocal, Marked
	Bronchiole	Hyperplasia	Multifocal, Marked
Note: HYPERPLASIA TGLs = 3-5,			
Lymph Node	Mesenteric	Atrophy	Mild
Mammary Gland		Fibroadenoma	Two
Note: FIBROADENOMA TGLs = 2-14,			
Note: FIBROADENOMA TGLs = 1-13,			
Nose	Mucosa	Inflammation	Chronic Active, Minimal
Salivary Glands	Acinus	Atrophy	Focal, Minimal
Spleen		Pigmentation	Hemosiderin, Minimal

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 43	**TRT#:** 1	**SEX:** Female	**DAY ON TEST:** 251
	DOSE: CONTROL	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	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	Liver	Lung	Lymph Node - Mandibular
Pancreas	Parathyroid Gland	Pituitary Gland	Salivary Glands
Skin	Spleen	Stomach - Forestomach	Thymus
Thyroid Gland	Trachea	Urinary Bladder	Uterus

MISSING

Bone	Bone Marrow	Larynx	Lymph Node - Mesenteric
Mammary Gland	Nose	Stomach - Glandular	

OBSERVATIONS

Brain	Cerebellum	Meningioma Malignant	
Ovary		Cyst	Moderate
Note: CYST TGLs = 1-6			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 43	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 728
	DOSE: 5 PPM	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Clitoral Gland	Esophagus	Intestine Large - Cecum	Intestine Large - Colon
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Larynx	Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose
Ovary	Pancreas	Parathyroid Gland	Pituitary Gland
Salivary Glands	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Thymus	Trachea	Urinary Bladder
Uterus			

OBSERVATIONS

Adrenal Gland	Cortex	Adenoma	
Note: [ADENOMA] TGLs = 9-7			
Heart		Cardiomyopathy	Mild
Intestine Large	Rectum	Parasite Metazoan	
Kidney		Nephropathy	Chronic, Moderate
Liver		Basophilic Focus	Multiple
		Hepatodiaphragmatic Nodule	
Note: ANOM HEPAT LOB TGLs = 8-3,			
Lung		Alveolar/Bronchiolar Carcinoma	Multiple
	Alveolar Epith	Hyperplasia	Multifocal, Marked
	Bronchiole	Hyperplasia	Multifocal, Marked
		Squamous Cell Carcinoma	
Note: ALV BRON CARC TGLs = 3+4+5-5,			
Note: 3 SITES OF A-B CARC. IN DIAPH. LOBE			
Note: 5 SITES OF A-B CARC. IN RT. (CARD. + AP)			
Note: 3 SITES OF A-B CARC. IN LEFT			
Note: SQUAM CEL CARC TGLs = 6-4,			
Note: ALV BRON CARC TGLs = 7-4,			
Note: ALV BRON CARC TGLs = 2-13,			
Mammary Gland		Ectasia	Diffuse, Mild
Note: ECTASIA TGLs = 1-8,			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 43	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 728
	DOSE: 5 PPM	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

Thyroid Gland	C Cell	Hyperplasia	Focal, Marked
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 43	**TRT#:** 3	**SEX:** Female	**DAY ON TEST:** 729
	DOSE: 2 PPM	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	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	Ovary
Pancreas	Parathyroid Gland	Salivary Glands	Skin
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

OBSERVATIONS

Adrenal Gland	Cortex	Angiectasis	Focal, Mild
Bone Marrow		Hyperplasia	Mild
Brain		Compression	
Clitoral Gland		Adenoma	
Note: [ADENOMA] TGLs = 3-9			
Heart		Cardiomyopathy	Mild
Islets, Pancreatic		Hyperplasia	Multifocal, Minimal
Kidney		Nephropathy	Chronic, Marked
Larynx		Inflammation	Chronic Active, Mild
Liver		Granuloma	Multifocal, Moderate
Lung		Alveolar/Bronchiolar Adenoma	
		Alveolar/Bronchiolar Carcinoma	
		Hemorrhage	Acute, Focal, Moderate
	Alveolar Epith	Hyperplasia	Multifocal, Marked
	Bronchiole	Hyperplasia	Multifocal, Marked
Note: ALV BRON ADEN TGLs = 6-5			
Note: ALV BRON CARC TGLs = 7-5			
Note: HEMORRHAGE TGLs = 8-4.2			
Mammary Gland		Ectasia	Multifocal, Marked
		Fibroadenoma	
		Hyperplasia	Diffuse, Mild
Note: HYPERPLASIA TGLs = 2-8			
Note: FIBROADENOMA TGLs = 1-13			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 43	**TRT#:** 3	**SEX:** Female	**DAY ON TEST:** 729
	DOSE: 2 PPM	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

Note: ECTASIA TGLs = 1-13			
Nose	Nasolacrim Dct	Inflammation	Suppurative, Chronic Active, Mild
Pituitary Gland	Pars Distalis	Abscess	Chronic, Mild
	Pars Distalis	Adenoma	
Note: ADENOMA TGLs = 9-1			
Spleen		Congestion	Moderate
Uterus		Cyst	Multiple, Moderate
	Bilateral	Polyp Stromal	
Note: POLYP STROMAL TGLs = 5-10			
Note: LEFT POLYP IS INFARCTED & HEMORRHAGIC			
Note: POLYP STROMAL TGLs = 4-10			
Note: CYST TGLs = 4-10			
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 44	**TRT#:** 1	**SEX:** Female	**DAY ON TEST:** 727
	DOSE: CONTROL	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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	Larynx
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland
Nose	Ovary	Pancreas	Parathyroid Gland
Salivary Glands	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Thyroid Gland	Trachea	Urinary Bladder

OBSERVATIONS

Adrenal Gland	Cortex	Degeneration	Fatty, Focal, Mild
	Cortex	Hyperplasia	Focal, Mild
Bone		Osteopetrosis	Mild
Heart		Cardiomyopathy	Mild
Kidney		Nephropathy	Chronic, Mild
Liver		Basophilic Focus	Multiple
Lymph Node	Mediastinal	Hemorrhage	Mild
Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Cyst	Moderate
[Adenoma TGLS = 2-1]			
[Cyst TGLS = 2-1]			
Thymus	Epithel Cell	Hyperplasia	Mild
Uterus		Fibrosis	Focal, Moderate
		Polyp Stromal	
Note: FIBROSIS TGLs = 3-10			
Note: POLYP STROMAL TGLs = 1-10			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 44	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 534
	DOSE: 5 PPM	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Bone Marrow		Hyperplasia	Mild
Heart		Cardiomyopathy	Mild
Kidney		Nephropathy	Chronic, Minimal
Liver		Basophilic Focus	Multiple
Lung		Alveolar/Bronchiolar Carcinoma	Multiple
	Alveolar Epith	Hyperplasia	Multifocal, Marked
	Bronchiole	Hyperplasia	Multifocal, Marked
Note: ALV BRON CARC TGLs = 3-5+5.1			
Note: 3 SITES OF A-B CARCINOMA IN LEFT, 2 IN RIGHT			
Note: 3 SITES OF A-B CARC., LEFT			
Note: VARIED MORPHOLOGY OF CARC., MUCOUS TO SQUAMOUS			
Lymph Node	Mesenteric	Hyperplasia	Reticulum Cell, Mild
Mammary Gland		Fibroadenoma	
Note: FIBROADENOMA TGLs = 1-13			
Mesentery	Fat	Necrosis	Focal, Moderate
Note: NECROSIS TGLs = 2-14			
Uterus		Dilatation	Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 44	**TRT#:** 3	**SEX:** Female	**DAY ON TEST:** 729
	DOSE: 2 PPM	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Brain	Clitoral Gland
Esophagus	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Larynx	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

Adrenal Gland	Capsule	Accessory Adrenal Cortical Nodule	
	Cortex	Hyperplasia	Focal, Mild
Bone Marrow		Hyperplasia	Mild
Heart		Cardiomyopathy	Moderate
Kidney		Nephropathy	Chronic, Mild
Liver		Basophilic Focus	Multiple
		Leukemia Mononuclear	
Lung		Alveolar/Bronchiolar Adenoma	
	Alveolar Epith	Hyperplasia	Multifocal, Moderate
		Leukemia Mononuclear	
Note: HYPERPLASIA TGLs = 2+3-4+4.1+5.1			
Note: ALV BRON ADEN TGLs = 2-5.1			
Lymph Node	Mesenteric	Leukemia Mononuclear	
Pituitary Gland	Pars Distalis	Adenoma	
Note: [ADENOMA] TGLs = 4-1			
Spleen		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 1-3			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 45	**TRT#:** 1	**SEX:** Female	**DAY ON TEST:** 513
	DOSE: CONTROL	**DISP:** Natural Death	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

AUTO PRECLUDES DIAG.

Intestine Small - Jejunum

OBSERVATIONS

Adrenal Gland	Cortex	Leukemia Mononuclear	
Bone Marrow		Leukemia Mononuclear	
Heart		Cardiomyopathy	Mild
		Leukemia Mononuclear	
Kidney		Nephropathy	Chronic, Moderate
Liver		Basophilic Focus	Two
		Leukemia Mononuclear	
Lung		Leukemia Mononuclear	
Lymph Node	Mandibular	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
Ovary		Leukemia Mononuclear	
Spleen		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 1-3,			
Thymus		Leukemia Mononuclear	
Uterus		Dilatation	Marked
		Polyp Stromal	
Note: POLYP STROMAL TGLs = 2-10,			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 45	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 728
	DOSE: 5 PPM	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Bone Marrow	Brain	Esophagus
Intestine Large - Cecum	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Larynx	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

Adrenal Gland	Cortex	Degeneration	Fatty, Multifocal, Mild
	Medulla	Hyperplasia	Multifocal, Minimal
	Medulla	Pheochromocytoma Benign	
Clitoral Gland		Hyperplasia	Focal, Mild
Heart		Cardiomyopathy	Mild
Intestine Large	Colon	Parasite Metazoan	
Kidney		Nephropathy	Chronic, Marked
Note: NEPHROPATHY TGLs = 3+4-7,			
Liver		Angiectasis	Multifocal, Mild
		Granuloma	Multifocal, Mild
		Hepatodiaphragmatic Nodule	
Note: ANOM HEPAT LOB TGLs = 2-3,			
Lung		Alveolar/Bronchiolar Carcinoma	Multiple
	Alveolar Epith	Hyperplasia	Multifocal, Moderate
	Bronchiole	Hyperplasia	Multifocal, Moderate
Note: ALV BRON CARC TGLs = 1-4+5,			
Note: MORE THAN 5 A-B CARC.			
Mammary Gland		Ectasia	Multifocal, Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 45	**TRT#:** 3	**SEX:** Female	**DAY ON TEST:** 729
	DOSE: 2 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	Lymph Node - Mandibular
Lymph Node - Mesenteric	Mammary Gland	Ovary	Parathyroid Gland
Salivary Glands	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Thymus	Trachea	

OBSERVATIONS

Bone		Osteopetrosis	Mild
Clitoral Gland		Ectasia	Marked
		Hyperplasia	Diffuse, Marked
Note: HYPERPLASIA TGLs = 1-9			
Note: ECTASIA TGLs = 1-9			
Heart		Cardiomyopathy	Moderate
Islets, Pancreatic		Hyperplasia	Multifocal, Moderate
Kidney		Nephropathy	Chronic, Marked
Larynx		Inflammation	Chronic Active, Mild
Liver		Basophilic Focus	Two
		Granuloma	Multifocal, Minimal
Lung		Alveolar/Bronchiolar Carcinoma	
	Alveolar Epith	Hyperplasia	Multifocal, Mild
Note: ALV BRON CARC TGLs = 2-4			
Nose	Nasolacrim Dct	Inflammation	Suppurative, Chronic Active, Mild
Pancreas	Acinus	Atrophy	Multifocal, Marked
Pituitary Gland	Pars Distalis	Angiectasis	Focal, Moderate
[Angiectasis TGLS = 5-1]			
Thyroid Gland	C Cell	Hyperplasia	Multifocal, Minimal
Urinary Bladder	Transit Epithe	Papilloma	
Uterus		Polyp Stromal	Two
Note: SMALLER POLYP IS TOTALLY FIBROTIC			
Note: POLYP STROMAL TGLs = 3-10			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 45	**TRT#:** 3	**SEX:** Female	**DAY ON TEST:** 729
	DOSE: 2 PPM	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

Note: POLYP STROMAL TGLs = 4-10	
PRIMARY CAUSE OF DEATH	-

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 46	**TRT#:** 1	**SEX:** Female	**DAY ON TEST:** 606
	DOSE: CONTROL	**DISP:** Natural Death	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Clitoral Gland	Esophagus	Eye	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Islets, Pancreatic	Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric
Nose	Ovary	Pancreas	Parathyroid Gland
Salivary Glands	Skin	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Urinary Bladder	
AUTO PRECLUDES DIAG.			
Intestine Small - Ileum	Intestine Small - Jejunum		
OBSERVATIONS			
Brain		Compression	
Kidney		Nephropathy	Chronic, Moderate
Larynx		Inflammation	Chronic Active, Mild
Liver		Basophilic Focus	
		Granuloma	Multifocal, Mild
Mammary Gland		Hyperplasia	Diffuse, Mild
Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Angiectasis	Focal, Marked
Note: ADENOMA TGLs = 1-1			
Note: ANGIECTASIS TGLs = 1-1			
Spleen		Pigmentation	Hemosiderin, Mild
Trachea		Inflammation	Chronic, Minimal
Uterus		Polyp Stromal	
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 46	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 695
	DOSE: 5 PPM	**DISP:** Natural Death	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Brain	Esophagus	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Islets, Pancreatic	Lymph Node - Mandibular
Lymph Node - Mesenteric	Mammary Gland	Pancreas	Parathyroid Gland
Salivary Glands	Skin	Stomach - Forestomach	Stomach - Glandular
Thyroid Gland	Trachea	Urinary Bladder	Uterus

MISSING

Thymus

OBSERVATIONS

Adrenal Gland	Cortex	Carcinoma	Metastatic (Lung)
	Medulla	Hyperplasia	Minimal
Bone Marrow		Hyperplasia	Mild
Clitoral Gland		Ectasia	Mild
Heart	Epicardium	Carcinoma	Metastatic (Lung)
		Cardiomyopathy	Minimal
Kidney		Carcinoma	Metastatic (Lung)
		Nephropathy	Chronic, Mild
Larynx		Inflammation	Chronic, Mild
Liver		Basophilic Focus	Two
	Centrilobular	Necrosis	Acute, Diffuse, Moderate
Lung		Alveolar/Bronchiolar Carcinoma	Multiple
	Mediastinum	Carcinoma	Metastatic (Lung)
	Alveolar Epith	Hyperplasia	Multifocal, Marked
	Bronchiole	Hyperplasia	Multifocal, Marked
Note: CARC. MAINLY SOLID AND TUBULAR BUT SOME SQUAMOUS			
Note: MORE THAN 5 A-B CARC.,			
Note: ALV BRON CARC TGLs = 1+2-4+5			
Lymph Node	Mediastinal	Carcinoma	Metastatic (Lung)
	Mediastinal	Hemorrhage	Moderate
Nose	Respirat Epith	Hyperplasia	Minimal
	Mucosa	Inflammation	Suppurative, Chronic Active, Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 46	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 695
	DOSE: 5 PPM	**DISP:** Natural Death	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

Ovary	Bilateral	Carcinoma	Metastatic (Lung)
Pituitary Gland	Pars Intermed	Angiectasis	Multifocal, Mild
Note: ANGIECTASIS TGLs = 3-1,			
Spleen		Hematopoietic Cell Proliferation	Marked
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 46	**TRT#:** 3	**SEX:** Female	**DAY ON TEST:** 729
	DOSE: 2 PPM	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone Marrow	Clitoral Gland	Esophagus
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Larynx	Lymph Node - Mesenteric	Ovary
Pancreas	Parathyroid Gland	Salivary Glands	Stomach - Forestomach
Stomach - Glandular	Thymus	Trachea	Urinary Bladder
Uterus			

OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Focal, Mild
Bone		Osteopetrosis	Marked
Brain		Compression	
Heart		Cardiomyopathy	Mild
Intestine Large	Cecum	Parasite Metazoan	
Islets, Pancreatic		Hyperplasia	Multifocal, Mild
Kidney		Nephropathy	Chronic, Marked
Liver		Basophilic Focus	Multiple
		Cytomegaly	Multifocal, Mild
		Fatty Change	Multifocal, Minimal
		Granuloma	Multifocal, Moderate
		Leukemia Mononuclear	
		Mitotic Alteration	Mild
Note: LEUKEMIA MONUC TGLs = 3-3			
Note: GRANULOMA TGLs = 3-3			
Lung	Alveolar Epith	Hyperplasia	Multifocal, Mild
	Bronchiole	Hyperplasia	Multifocal, Mild
	Alveolus	Infiltration Cellular	Histiocyte, Multifocal, Minimal
Lymph Node	Mandibular	Hyperplasia	Plasma Cell, Mild
Mammary Gland		Ectasia	Multifocal, Minimal
Nose	Respirat Epith	Hyperplasia	Minimal
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA TGLs = 4-1			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 46	**TRT#:** 3	**SEX:** Female	**DAY ON TEST:** 729
	DOSE: 2 PPM	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

Skin	Subcut Tiss	Fibroma	
Note: FIBROMA TGLs = 1-13			
Spleen		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 2-3			
Thyroid Gland	C Cell	Hyperplasia	Multifocal, Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 47	**TRT#:** 1	**SEX:** Female	**DAY ON TEST:** 727
	DOSE: CONTROL	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Bone Marrow	Brain	Esophagus
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Larynx	Lung	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

OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Focal, Minimal
	Medulla	Pheochromocytoma Benign	
Clitoral Gland		Ectasia	Mild
		Inflammation	Granulomatous, Multifocal, Mild
Note: ECTASIA TGLs = 2-1			
Heart		Cardiomyopathy	Minimal
Intestine Large	Cecum	Parasite Metazoan	
	Colon	Parasite Metazoan	
	Rectum	Parasite Metazoan	
Kidney		Nephropathy	Chronic, Moderate
Lacrimal Gland		Ectopic Tissue	
Liver		Basophilic Focus	Multiple
		Hepatodiaphragmatic Nodule	
Note: ANOM HEPAT LOB TGLs = 3-3.7			
Ovary		Cyst	Mild
Pituitary Gland	Pars Distalis	Cyst	Moderate
[Cyst TGLS = 4-1]			
Skin	Vulva	Papilloma	
Note: PAPILLOMA TGLs = 1-13			
Uterus		Polyp Stromal	
Note: POLYP STROMAL TGLs = 5-10.2			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 47	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 475
	DOSE: 5 PPM	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Adrenal Gland	Cortex	Degeneration	Fatty, Diffuse, Mild
	Cortex	Leukemia Mononuclear	
Kidney	Epithelium, Pelvis	Mineralization	Minimal
Larynx		Inflammation	Acute, Mild
Liver	Centrilobular	Fatty Change	Diffuse, Mild
		Leukemia Mononuclear	
Note: FATTY CHANGE TGLs = 3-3			
Lung		Alveolar/Bronchiolar Carcinoma	
	Alveolar Epith	Hyperplasia	Multifocal, Moderate
		Leukemia Mononuclear	
Note: ALV BRON CARC TGLs = 1+2-4			
Ovary		Leukemia Mononuclear	
Spleen		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 4-3			
Uterus		Dilatation	Minimal

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 47	**TRT#:** 3	**SEX:** Female	**DAY ON TEST:** 729
	DOSE: 2 PPM	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Heart		Cardiomyopathy	Mild
Kidney		Nephropathy	Chronic, Moderate
Liver		Basophilic Focus	Multiple
		Hepatocellular Adenoma	
Note: [HEPATOCLR ADEN] TGLs = 1-3			
Lung	Alveolar Epith	Hyperplasia	Multifocal, Moderate
	Bronchiole	Hyperplasia	Multifocal, Mild
Lymph Node	Mediastinal	Hemorrhage	Moderate
	Mesenteric	Hemorrhage	Acute, Moderate
Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-1]			
Thyroid Gland	C Cell	Carcinoma	
Note: CARCINOMA TGLs = 3-2			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 48	**TRT#:** 1	**SEX:** Female	**DAY ON TEST:** 659
	DOSE: CONTROL	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Bone Marrow	Brain	Clitoral Gland
Esophagus	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Lymph Node - Mandibular	Nose	Ovary
Parathyroid Gland	Salivary Glands	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Uterus	Vagina

MISSING

Urinary Bladder

OBSERVATIONS

Adrenal Gland	Cortex	Leukemia Mononuclear	
	Medulla	Leukemia Mononuclear	
Eye		Cataract	Moderate
	Retina	Degeneration	Marked
Note: CATARACT TGLs = 2-13			
Kidney		Nephropathy	Chronic, Minimal
		Pigmentation	Diffuse, Mild
Note: PIGMENT TGLs = 11-7			
Larynx		Inflammation	Chronic, Minimal
Liver	Centrilobular	Fatty Change	Diffuse, Marked
		Hepatodiaphragmatic Nodule	
		Leukemia Mononuclear	
Note: FATTY CHANGE TGLs = 8-3+14			
Note: ANOM HEPAT LOB TGLs = 9-14			
[Fatty Change TGLS = 8-3+14]			
Lung		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 6-6			
Mammary Gland		Hyperplasia	Diffuse, Moderate

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 48	**TRT#:** 1	**SEX:** Female	**DAY ON TEST:** 659
	DOSE: CONTROL	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

Pancreas		Leukemia Mononuclear	
Pituitary Gland	Pars Distalis	Adenoma	
		Leukemia Mononuclear	
[Adenoma TGLS = 12-1]			
Skin	Subcut Tiss	Abscess	Marked
Note: ABSCESS TGLs = 13-15			
Spleen		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 7-3			
Stomach	Forestomach	Inflammation	Chronic, Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 48	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 728
	DOSE: 5 PPM	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Clitoral Gland	Esophagus	Intestine Large - Cecum	Intestine Large - Colon
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Larynx	Lymph Node - Mandibular	Lymph Node - Mesenteric	Ovary
Pancreas	Parathyroid Gland	Salivary Glands	Spleen
Stomach - Forestomach	Stomach - Glandular	Thymus	Trachea
Urinary Bladder	Uterus		

OBSERVATIONS

Adrenal Gland	Cortex	Degeneration	Fatty, Multifocal, Moderate
Heart		Cardiomyopathy	Moderate
Intestine Large	Rectum	Parasite Metazoan	
Kidney		Nephropathy	Chronic, Marked
Liver		Basophilic Focus	
Lung		Alveolar/Bronchiolar Carcinoma	Multiple
	Alveolar Epith	Hyperplasia	Multifocal, Marked
	Bronchiole	Hyperplasia	Multifocal, Moderate
Note: ALV BRON CARC TGLs = 2-4+5,			
Note: MORE THAN FIVE SITES OF A-B CARCINOMA, VARIED MORPHOLOGY			
Lymph Node	Mediastinal	Hemorrhage	Mild
Mammary Gland		Adenoma	
		Hyperplasia	Multifocal, Moderate
Nose	Respirat Epith	Hyperplasia	Mild
	Mucosa	Inflammation	Chronic Active, Mild
Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-1,]			
Skin		Keratoacanthoma	
Note: KERATOACANTHMA TGLs = 1-13			
Thyroid Gland	C Cell	Hyperplasia	Multifocal, Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 48	**TRT#:** 3	**SEX:** Female	**DAY ON TEST:** 729
	DOSE: 2 PPM	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Adrenal Gland	Cortex	Degeneration	Fatty, Focal, Mild
	Cortex	Hyperplasia	Multifocal, Mild
	Cortex	Hypertrophy	Focal, Mild
Heart		Cardiomyopathy	Mild
Intestine Large	Colon	Parasite Metazoan	
Kidney		Nephropathy	Chronic, Mild
Liver		Basophilic Focus	Multiple
	Bile Duct	Hyperplasia	Multifocal, Minimal
Lung	Alveolar Epith	Hyperplasia	Multifocal, Minimal
	Interstitium	Inflammation	Chronic, Focal, Mild
Pituitary Gland	Pars Distalis	Cyst	Multiple, Minimal
Uterus	Bilateral	Polyp Stromal	
Note: POLYP STROMAL TGLs = 1+2-10			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 49	**TRT#:** 1	**SEX:** Female	**DAY ON TEST:** 8
	DOSE: CONTROL	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
Adrenal Gland - Cortex	Bone	Brain	Esophagus
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Kidney	Liver	Lung	Nose
Ovary	Pancreas	Pituitary Gland	Salivary Glands
Skin	Spinal Cord	Stomach - Forestomach	Stomach - Glandular
Trachea	Urinary Bladder	Uterus	
MISSING			
Adrenal Gland - Medulla	Clitoral Gland	Larynx	Lymph Node - Mandibular
Mammary Gland	Parathyroid Gland	Thyroid Gland	

OBSERVATIONS			
Bone Marrow		Atrophy	Moderate
Eye	Retina	Dysplasia	Focal, Moderate
Lymph Node	Mesenteric	Hyperplasia	Reticulum Cell, Moderate
Spleen		Depletion Lymphoid	Moderate
Thymus		Depletion Lymphoid	Marked

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 49	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 665
	DOSE: 5 PPM	**DISP:** Natural Death	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
Adrenal Gland - Medulla	Bone Marrow	Brain	Clitoral Gland
Esophagus	Intestine Large - Rectum	Intestine Small - Duodenum	Islets, Pancreatic
Larynx	Lymph Node - Mandibular	Nose	Ovary
Pancreas	Parathyroid Gland	Salivary Glands	Skin
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Uterus		
MISSING			
Urinary Bladder			
AUTO PRECLUDES DIAG.			
Intestine Large - Cecum	Intestine Large - Colon	Intestine Small - Ileum	Intestine Small - Jejunum
OBSERVATIONS			
Adrenal Gland	Cortex	Degeneration	Fatty, Multifocal, Minimal
Bone		Osteopetrosis	Moderate
Heart		Cardiomyopathy	Mild
Kidney		Nephropathy	Chronic, Moderate
Liver		Basophilic Focus	
Lung		Alveolar/Bronchiolar Carcinoma	Multiple
	Alveolar Epith	Hyperplasia	Multifocal, Moderate
	Bronchiole	Hyperplasia	Multifocal, Moderate
Note: HYPERPLASIA TGLs = 1-4+5,			
Note: THERE ARE 5 SITES OF A-B CARCINOMA OF VARIED FORMS.			
Note: ALV BRON CARC TGLs = 1-4+5,			
Lymph Node	Mesenteric	Inflammation	Acute, Marked
Mammary Gland		Ectasia	Multifocal, Minimal
Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
Spleen		Pigmentation	Hemosiderin, Moderate
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 49	**TRT#:** 3	**SEX:** Female	**DAY ON TEST:** 729
	DOSE: 2 PPM	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Brain
Clitoral Gland	Esophagus	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Kidney	Larynx	Lymph Node - Mandibular	Lymph Node - Mesenteric
Mammary Gland	Nose	Parathyroid Gland	Pituitary Gland
Salivary Glands	Spleen	Stomach - Forestomach	Stomach - Glandular
Thymus	Trachea	Urinary Bladder	

OBSERVATIONS

Bone Marrow		Hyperplasia	Mild
Heart		Cardiomyopathy	Mild
Islets, Pancreatic		Hyperplasia	Multifocal, Mild
Liver		Basophilic Focus	Multiple
		Granuloma	Multifocal, Mild
Note: GIANT CELLS IN 2 GRANULOMAS			
Lung	Alveolar Epith	Hyperplasia	Multifocal, Mild
Ovary		Cyst	Moderate
Note: CYST TGLs = 2-9			
Pancreas	Acinus	Atrophy	Multifocal, Minimal
Skin		Basal Cell Adenoma	
Note: BASAL CEL ADEN TGLs = 1-8+8.1			
Thyroid Gland	C Cell	Adenoma	
	C Cell	Hyperplasia	Multifocal, Mild
Uterus		Cyst	Multiple, Mild
Note: CYST TGLs = 3-10			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 50	**TRT#:** 1	**SEX:** Female	**DAY ON TEST:** 693
	DOSE: CONTROL	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Clitoral Gland	Esophagus	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Islets, Pancreatic	Larynx	Lymph Node - Mandibular	Lymph Node - Mesenteric
Ovary	Pancreas	Parathyroid Gland	Salivary Glands
Skin	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Uterus		

MISSING

Intestine Small - Jejunum

OBSERVATIONS

Adrenal Gland	Cortex	Leukemia Mononuclear	
	Medulla	Leukemia Mononuclear	
Bone		Osteopetrosis	Mild
Bone Marrow		Hyperplasia	Mild
Brain		Compression	
Note: COMPRESSION TGLs = 9-1,			
Kidney		Nephropathy	Chronic, Mild
		Pigmentation	Diffuse, Mild
Note: PIGMENT TGLs = 6-7,			
Liver		Fatty Change	Diffuse, Marked
		Leukemia Mononuclear	
Note: FATTY CHANGE TGLs = 5-3,			
Lung		Leukemia Mononuclear	
Lymph Node	Pancreatic	Hemorrhage	Minimal
Note: HEMORRHAGE TGLs = 4-6,			
Mammary Gland		Hyperplasia	Diffuse, Moderate
Note: HYPERPLASIA TGLs = 2-6,			
Nose		Thrombosis	Multifocal, Mild
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA TGLs = 8-1,			
Spleen		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 50	**TRT#:** 1	**SEX:** Female	**DAY ON TEST:** 693
	DOSE: CONTROL	**DISP:** Moribund Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

Note: LEUKEMIA MONUC TGLs = 3-3,			
Stomach	Epithelium, Forestomach	Hyperplasia	Focal, Mild
	Forestomach	Inflammation	Chronic Active, Mild
Urinary Bladder		Inflammation	Acute, Diffuse, Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 50	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 728
	DOSE: 5 PPM	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Brain	Clitoral Gland
Esophagus	Intestine Large - Cecum	Intestine Large - Colon	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Larynx	Lymph Node - Mandibular
Lymph Node - Mesenteric	Ovary	Pancreas	Parathyroid Gland
Salivary Glands	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Trachea
Urinary Bladder	Uterus		

OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Focal, Moderate
	Cortex	Hypertrophy	Focal, Minimal
Bone Marrow		Hyperplasia	Minimal
Heart		Cardiomyopathy	Mild
Intestine Large	Rectum	Parasite Metazoan	
Intestine Small	Duodenum	Leiomyoma	
Note: LEIOMYOBLASTOMA)			
Note: "BIZARRE LEIOMYOMA" (EPITHELIOID LEIOMYOMA OR			
Kidney		Nephropathy	Chronic, Moderate
Liver		Basophilic Focus	Multiple
		Granuloma	Multifocal, Mild
		Hepatodiaphragmatic Nodule	
Note: ANOM HEPAT LOB TGLs = 3-3,			
Lung		Alveolar/Bronchiolar Carcinoma	Multiple
		Hemorrhage	Acute, Multifocal, Mild
	Alveolar Epith	Hyperplasia	Multifocal, Marked
	Bronchiole	Hyperplasia	Multifocal, Marked
Note: MORE THAN 5 SITES OF A-B CARCINOMA			
Note: HYPERPLASIA TGLs = 2-4+5,			
Note: ALV BRON CARC TGLs = 2-4+5,			
Mammary Gland		Fibroadenoma	
Note: FIBROADENOMA TGLs = 1-8,			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 50	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 728
	DOSE: 5 PPM	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

Note: UNSPECIFIED SITE FOR FIBROADENOMA			
Nose	Mucosa	Inflammation	Chronic, Minimal
Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Hyperplasia	Focal, Mild
[Adenoma TGLS = 4-1,]			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 50	**TRT#:** 3	**SEX:** Female	**DAY ON TEST:** 729
	DOSE: 2 PPM	**DISP:** Terminal Sacrifice	**HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Esophagus	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Larynx
Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose	Ovary
Pancreas	Parathyroid Gland	Salivary Glands	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	Uterus

OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Focal, Minimal
Bone Marrow		Hyperplasia	Minimal
Brain		Compression	
Clitoral Gland		Ectasia	Moderate
Kidney		Nephropathy	Chronic, Marked
Liver		Fatty Change	Multifocal, Mild
		Granuloma	Multifocal, Minimal
Lung		Alveolar/Bronchiolar Adenoma	
		Alveolar/Bronchiolar Carcinoma	
Note: ALV BRON ADEN TGLs = 2-4			
Mammary Gland		Ectasia	Multifocal, Moderate
Note: ECTASIA TGLs = 1-8			
Pituitary Gland	Pars Distalis	Adenoma	
Note: [ADENOMA] TGLs = 3-1			

PRIMARY CAUSE OF DEATH -

** END OF REPORT **

* PROTOCOL REQUIRED TISSUE