C Number:	C96007G
Lock Date:	06/28/2001
Cage Range:	All
Date Range:	All
Reasons For Removal:	All
Removal Date Range:	All
Treatment Groups:	All
Study Gender:	Female
PWG Approval Date	11/27/2002

ANIMAL ID: 1	**TRT#:** 1	**SEX:** Female	**DAY ON TEST:** 733
	DOSE: 0 NG/KG	**DISP:** Terminal Sacrifice	**HISTO:** 2002021

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Mild
* Clitoral Gland	Duct	Cyst	Mild
		Inflammation	Minimal
* Kidney		Inflammation	Chronic Active, Minimal
		Mineralization	Minimal
* Liver		Basophilic Focus	Multiple
		Eosinophilic Focus	Multiple
	Bile Duct	Hyperplasia	Mild
		Inflammation	Minimal
* Lung		Infiltration Cellular	Histiocyte, Mild
[Infiltration Cellular TGLS = 3,4-3+4]			
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Mild
* Mammary Gland		Fibroadenoma	Multiple
		Hyperplasia	Minimal
[Fibroadenoma TGLS = 1,2-11+12]			
* Ovary		Atrophy	Marked
* Pituitary Gland	Pars Distalis	Adenoma	Multiple
		Angiectasis	Mild
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Mild
* Thymus		Atrophy	Mild
* Thyroid Gland	C Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 1	**TRT#:** 1	**SEX:** Female	**DAY ON TEST:** 733
	DOSE: 0 NG/KG	**DISP:** Terminal Sacrifice	**HISTO:** 2002021

ORGAN AND ACCOUNTABLE SITE STATUS

	C Cell	Hyperplasia	Minimal
* Uterus		Metaplasia	Squamous, Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 2	**TRT#:** 1	**SEX:** Female	**DAY ON TEST:** 731
	DOSE: 0 NG/KG	**DISP:** Terminal Sacrifice	**HISTO:** 2002022

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Bone Marrow	* Brain
* Esophagus	Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Lung	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Mild
* Adrenal Medulla		Hyperplasia	Minimal
* Clitoral Gland	Duct	Cyst	Mild
		Inflammation	Minimal
Eye	Retina	Atrophy	Mild
* Islets, Pancreatic		Adenoma	
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Clear Cell Focus	
		Eosinophilic Focus	
		Inflammation	Minimal
		Mixed Cell Focus	Multiple
[Mixed Cell Focus TGLS = 1-7]			
* Lung			
Note: Left lung frozen for NTP.			
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Mild
* Ovary		Atrophy	Marked
		Cyst	Mild
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Mild
* Thymus		Atrophy	Mild
* Thyroid Gland	Follicular Cel	Hypertrophy	Moderate

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 2	**TRT#:** 1	**SEX:** Female	**DAY ON TEST:** 731
	DOSE: 0 NG/KG	**DISP:** Terminal Sacrifice	**HISTO:** 2002022

ORGAN AND ACCOUNTABLE SITE STATUS

* Uterus	Metaplasia	Squamous, Mild
PRIMARY CAUSE OF DEATH	-	

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 3	**TRT#:** 1	**SEX:** Female	**DAY ON TEST:** 731
	DOSE: 0 NG/KG	**DISP:** Terminal Sacrifice	**HISTO:** 2002023

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Esophagus	Eye	Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mesenteric	* Nose	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
		Hypertrophy	Moderate
* Bone Marrow		Hyperplasia	Moderate
* Clitoral Gland		Inflammation	Mild
Eye			
Note: One optic nerve missing.			
* Kidney		Mineralization	Minimal
* Liver		Mixed Cell Focus	
* Lung			
Note: Left lung frozen for NTP.			
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Mild
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-12]			
* Ovary		Atrophy	Marked
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Hyperplasia	Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Minimal
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate
Zymbal's Gland		Carcinoma	
[Carcinoma TGLS = 2-13]			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 3	**TRT#:** 1	**SEX:** Female	**DAY ON TEST:** 731
	DOSE: 0 NG/KG	**DISP:** Terminal Sacrifice	**HISTO:** 2002023

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH	-

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 4	**TRT#:** 1	**SEX:** Female	**DAY ON TEST:** 666
	DOSE: 0 NG/KG	**DISP:** Moribund Sacrifice	**HISTO:** 2002024

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
		Hypertrophy	Mild
* Bone Marrow		Hyperplasia	Mild
Eye			
Note: One optic nerve missing.			
* Kidney		Casts Protein	Mild
		Mineralization	Minimal
* Lung		Infiltration Cellular	Histiocyte, Mild
[Infiltration Cellular TGLS = 3-3+4]			
* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 1,2-11+12]			
* Ovary		Atrophy	Marked
		Cyst	Moderate
[Cyst TGLS = 4-10]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Minimal
* Stomach, Glandular		Mineralization	Minimal
* Thyroid Gland	Bilateral, C Cell	Adenoma	
	C Cell	Hyperplasia	Mild
Tooth	Peridont Tiss	Inflammation	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 4	**TRT#:** 1	**SEX:** Female	**DAY ON TEST:** 666
	DOSE: 0 NG/KG	**DISP:** Moribund Sacrifice	**HISTO:** 2002024

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH	- Mammary Gland	Fibroadenoma

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 5	**TRT#:** 1	**SEX:** Female	**DAY ON TEST:** 733
	DOSE: 0 NG/KG	**DISP:** Terminal Sacrifice	**HISTO:** 2002025

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Brain	* Esophagus
Eye	Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Moderate
		Hypertrophy	Moderate
* Adrenal Medulla		Hyperplasia	Mild
* Bone Marrow		Hyperplasia	Moderate
* Clitoral Gland	Duct	Cyst	Moderate
		Inflammation	Minimal
[Cyst TGLS = 1-10]			
Eye			
Note: One optic nerve missing.			
* Liver		Eosinophilic Focus	
		Mixed Cell Focus	Multiple
[Eosinophilic Focus TGLS = 3,4-6+7]			
* Lung		Infiltration Cellular	Histiocyte, Mild
[Infiltration Cellular TGLS = 7-3+4]			
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 2-12]			
* Ovary		Atrophy	Marked
		Cyst	Mild
[Cyst TGLS = 6-10]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thymus		Atrophy	Moderate

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 5	**TRT#:** 1	**SEX:** Female	**DAY ON TEST:** 733
	DOSE: 0 NG/KG	**DISP:** Terminal Sacrifice	**HISTO:** 2002025

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland	C Cell	Adenoma	
	Follicular Cel	Adenoma	
	C Cell	Hyperplasia	Minimal
[Adenoma TGLS = 8-8]			
* Uterus		Polyp Stromal	
[Polyp Stromal TGLS = 5-10]			
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 6	**TRT#:** 1	**SEX:** Female	**DAY ON TEST:** 533
	DOSE: 0 NG/KG	**DISP:** Moribund Sacrifice	**HISTO:** 2002026

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Clitoral Gland	* Esophagus	Eye
Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mesenteric	* Nose	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Glandular
* Trachea			

OBSERVATIONS

* Bone Marrow		Hyperplasia	Marked
Eye			
Note: Both optic nerves missing.			
* Kidney	Pelvis	Dilatation	Moderate
		Nephropathy	Moderate
		Schwannoma Malignant	Metastatic (Uterus)
[Dilatation TGLS = 1-5]			
* Liver	Bile Duct	Hyperplasia	Minimal
		Inflammation	Mild
		Pigmentation	Minimal
* Lung		Infiltration Cellular	Histiocyte, Minimal
[Infiltration Cellular TGLS = 2-3+4]			
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Mild
* Mammary Gland		Hyperplasia	Minimal
* Ovary		Atrophy	Marked
		Cyst	Moderate
	Periovarn Tiss	Schwannoma Malignant	Metastatic (Uterus)
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Minimal
		Schwannoma Malignant	Metastatic (Uterus)
* Stomach, Forestomach		Hyperkeratosis	Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 6	**TRT#:** 1	**SEX:** Female	**DAY ON TEST:** 533
	DOSE: 0 NG/KG	**DISP:** Moribund Sacrifice	**HISTO:** 2002026

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Adenoma	
[Adenoma TGLS = 3-8]			
* Urinary Bladder		Schwannoma Malignant	Metastatic (Uterus)
* Uterus	Cervix	Schwannoma Malignant	
[Schwannoma Malignant TGLS = 4-11]			
PRIMARY CAUSE OF DEATH	- Uterus Cervix Schwannoma Malignant		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 7	**TRT#:** 1	**SEX:** Female	**DAY ON TEST:** 487
	DOSE: 0 NG/KG	**DISP:** Natural Death	**HISTO:** 2002027

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Parathyroid Gland	* Spleen

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Adrenal Medulla		Hyperplasia	Mild
* Bone Marrow		Hyperplasia	Moderate
* Clitoral Gland	Duct	Cyst	Mild
		Inflammation	Minimal
Eye			
Note: One optic nerve missing.			
Note: Findings consistent with cataract occurred in the eyes of rats with autolysis. This was considered a postmortem artifact and not recorded in autolytic rats.			
* Kidney		Nephropathy	Minimal
* Liver		Inflammation	Minimal
* Lung		Infiltration Cellular	Histiocyte, Mild
		Inflammation	Suppurative, Moderate
Note: The foci of inflammation were pyogranulomatous and several contained a foreign material (probably plant).			
[Inflammation TGLS = 2-3+4]			
* Mammary Gland		Hyperplasia	Minimal
* Ovary		Atrophy	Marked
Note: One ovary cannibalized.			
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Thymus		Atrophy	Mild
* Uterus		Hemorrhage	Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 7	**TRT#:** 1	**SEX:** Female	**DAY ON TEST:** 487
	DOSE: 0 NG/KG	**DISP:** Natural Death	**HISTO:** 2002027

ORGAN AND ACCOUNTABLE SITE STATUS

	Metaplasia	Squamous, Moderate

Note: One uterine horn cannibalized and the lumen of the other was filled with a keratin-like material.
[Metaplasia TGLS = 1-11]

PRIMARY CAUSE OF DEATH	- Lung Inflammation
CONTRIBUTORY CAUSE OF DEATH	- Uterus Hemorrhage

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 9	**TRT#:** 1	**SEX:** Female	**DAY ON TEST:** 675
	DOSE: 0 NG/KG	**DISP:** Moribund Sacrifice	**HISTO:** 2002029

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
		Hypertrophy	Mild
* Bone Marrow		Hyperplasia	Marked
* Clitoral Gland	Duct	Cyst	Mild
		Inflammation	Minimal
* Kidney		Mineralization	Minimal
* Liver		Inflammation	Minimal
* Lung	Alveolar Epith	Hyperplasia	Minimal
		Infiltration Cellular	Histiocyte, Mild
[Infiltration Cellular TGLS = 2-3+4]			
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-11]			
* Ovary		Atrophy	Marked
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Adenoma	
	C Cell	Hyperplasia	Moderate
Tooth	Peridont Tiss	Inflammation	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
		Metaplasia	Squamous, Minimal

PRIMARY CAUSE OF DEATH - Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 10	**TRT#:** 1	**SEX:** Female	**DAY ON TEST:** 732
	DOSE: 0 NG/KG	**DISP:** Terminal Sacrifice	**HISTO:** 2002030

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Esophagus	Eye	Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Trachea

OBSERVATIONS

* Adrenal Cortex		Adenoma	
		Angiectasis	Mild
		Hypertrophy	Minimal
* Bone Marrow		Hyperplasia	Moderate
* Clitoral Gland	Duct	Cyst	Moderate
		Hyperplasia	Basal Cell, Mild
		Inflammation	Minimal
[Cyst TGLS = 2-10]			
Eye			
Note: Both optic nerves missing.			
* Kidney		Cyst	Mild
	Pelvis	Dilatation	Moderate
	Transit Epithe	Hyperplasia	Moderate
	Pelvis	Inflammation	Moderate
		Inflammation	Chronic Active, Mild
		Mineralization	Minimal
		Nephropathy	Mild
[Dilatation TGLS = 8-5]			
* Liver		Eosinophilic Focus	Multiple
		Inflammation	Minimal
		Mixed Cell Focus	
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Carcinoma	

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 10	**TRT#:** 1	**SEX:** Female	**DAY ON TEST:** 732
	DOSE: 0 NG/KG	**DISP:** Terminal Sacrifice	**HISTO:** 2002030

ORGAN AND ACCOUNTABLE SITE STATUS

		Fibroadenoma	Multiple
		Hyperplasia	Minimal
[Carcinoma TGLS = 3-12]			
[Fibroadenoma TGLS = 1,4,9,10-11+13+14+15]			
* Nose	Nasolacrim Dct	Inflammation	Mild
* Ovary		Atrophy	Marked
		Cyst	Moderate
[Cyst TGLS = 7-10]			
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Mild
	Pars Distalis	Hyperplasia	Mild
[Adenoma TGLS = 5-8]			
* Spleen		Hematopoietic Cell Proliferation	Moderate
		Pigmentation	Minimal
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Adenoma	
		Cyst	Moderate
	Follicular Cel	Hyperplasia	Mild
Tooth	Peridont Tiss	Inflammation	Minimal
Ureter	Transit Epithe	Hyperplasia	Moderate
		Inflammation	Mild
Note: The calculus was lost in processing, but the transitional epithelial hyperplasia, dilatation of lumen and inflammation remained.			
* Urinary Bladder		Inflammation	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal
		Metaplasia	Squamous, Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 11	**TRT#:** 1	**SEX:** Female	**DAY ON TEST:** 732
	DOSE: 0 NG/KG	**DISP:** Terminal Sacrifice	**HISTO:** 2002031

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Brain	* Esophagus
Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
		Hyperplasia	Mild
		Hypertrophy	Mild
		Vacuolization Cytoplasmic	Minimal
* Adrenal Medulla		Pheochromocytoma Benign	
* Bone Marrow		Hyperplasia	Moderate
* Clitoral Gland	Duct	Cyst	Mild
		Inflammation	Mild
Eye	Retina	Atrophy	Mild
* Kidney		Inflammation	Chronic Active, Minimal
		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Mixed Cell Focus	Multiple
* Mammary Gland		Fibroadenoma	Multiple
		Hyperplasia	Minimal
[Fibroadenoma TGLS = 1,2-11+12]			
* Ovary		Atrophy	Marked
		Cyst	Moderate
[Cyst TGLS = 3-10]			
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Mild
[Adenoma TGLS = 4-8]			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 11	**TRT#:** 1	**SEX:** Female	**DAY ON TEST:** 732
	DOSE: 0 NG/KG	**DISP:** Terminal Sacrifice	**HISTO:** 2002031

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Minimal
Tooth	Peridont Tiss	Inflammation	Mild
* Uterus		Inflammation	Suppurative, Mild
		Metaplasia	Squamous, Moderate
		Polyp Stromal	
		Squamous Cell Papilloma	
[Polyp Stromal TGLS = 5-10]			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 12	**TRT#:** 1	**SEX:** Female	**DAY ON TEST:** 733
	DOSE: 0 NG/KG	**DISP:** Terminal Sacrifice	**HISTO:** 2002032

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Esophagus	Eye	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Pancreas	* Parathyroid Gland
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
		Hyperplasia	Mild
		Hypertrophy	Mild
		Vacuolization Cytoplasmic	Mild
* Clitoral Gland	Duct	Cyst	Marked
		Inflammation	Mild
[Cyst TGLS = 2-10]			
Harderian Gland		Atrophy	Focal, Mild
		Inflammation	Mild
* Kidney		Inflammation	Chronic Active, Minimal
		Mineralization	Minimal
* Liver		Inflammation	Minimal
		Mixed Cell Focus	Multiple
* Lung		Infiltration Cellular	Histiocyte, Mild
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-12]			
* Ovary		Atrophy	Marked
		Cyst	Mild
[Cyst TGLS = 3-10]			
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Moderate
[Adenoma TGLS = 5-8]			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 12	**TRT#:** 1	**SEX:** Female	**DAY ON TEST:** 733
	DOSE: 0 NG/KG	**DISP:** Terminal Sacrifice	**HISTO:** 2002032

ORGAN AND ACCOUNTABLE SITE STATUS

* Salivary Glands		Mineralization	Moderate
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Minimal
* Thymus		Atrophy	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate
		Polyp Stromal	
[Polyp Stromal TGLS = 4-10]			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 13	**TRT#:** 1	**SEX:** Female	**DAY ON TEST:** 526
	DOSE: 0 NG/KG	**DISP:** Moribund Sacrifice	**HISTO:** 2002033

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Minimal
* Bone Marrow		Hyperplasia	Moderate
* Clitoral Gland	Duct	Cyst	Mild
		Inflammation	Moderate
[Cyst TGLS = 1-10]			
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Inflammation	Minimal
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Fibroadenoma	Multiple
		Hyperplasia	Minimal
[Fibroadenoma TGLS = 2,3-11+12]			
* Ovary		Atrophy	Marked
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
	Pars Intermed	Hyperplasia	Mild
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Minimal
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Adenoma	
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
		Metaplasia	Squamous, Minimal

PRIMARY CAUSE OF DEATH - Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 14	**TRT#:** 1	**SEX:** Female	**DAY ON TEST:** 731
	DOSE: 0 NG/KG	**DISP:** Terminal Sacrifice	**HISTO:** 2002034

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	Eye	Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mesenteric	* Nose	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Moderate
		Hypertrophy	Moderate
* Adrenal Medulla		Hyperplasia	Minimal
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver	Bile Duct	Hyperplasia	Mild
		Inflammation	Minimal
* Lung			
Note: Left lung frozen for NTP.			
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Mild
* Mammary Gland		Adenoma	
* Ovary		Atrophy	Marked
		Cyst	Moderate
[Cyst TGLS = 1-10]			
Oviduct		Inflammation	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Moderate
[Adenoma TGLS = 3-8]			
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Moderate
* Thyroid Gland	C Cell	Adenoma	
Tooth	Peridont Tiss	Inflammation	Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 14	**TRT#:** 1	**SEX:** Female	**DAY ON TEST:** 731
	DOSE: 0 NG/KG	**DISP:** Terminal Sacrifice	**HISTO:** 2002034

ORGAN AND ACCOUNTABLE SITE STATUS

* Uterus	Metaplasia	Squamous, Marked

Note: The lumen of the uterus was dilated and filled with keratin and inflammatory cells, primarily neutrophils.
[Metaplasia TGLS = 2-10]

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 15	**TRT#:** 1	**SEX:** Female	**DAY ON TEST:** 214
	DOSE: 0 NG/KG	**DISP:** Scheduled Sacrifice	**HISTO:** 2002035

***** NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 16	**TRT#:** 1	**SEX:** Female	**DAY ON TEST:** 368
	DOSE: 0 NG/KG	**DISP:** Scheduled Sacrifice	**HISTO:** 2002036

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Islets, Pancreatic	* Lung	* Mammary Gland
* Pancreas	* Pituitary Gland	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	Vagina		

OBSERVATIONS

* Adrenal Cortex	Hyperplasia	Minimal
* Liver	Inflammation	Minimal
	Mixed Cell Focus	
* Ovary	Atrophy	Marked
* Spleen	Hyperplasia	Lymphoid, Focal, Mild
	Pigmentation	Minimal
[Hyperplasia TGLS = 2-2]		
* Thymus	Atrophy	Mild
* Uterus	Metaplasia	Squamous, Marked

Note: The uterus was lined with a squamoid epithelium and the lumen was filled with a keratin-like material.
[Metaplasia TGLS = 1-4]

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 17	**TRT#:** 1	**SEX:** Female	**DAY ON TEST:** 368
	DOSE: 0 NG/KG	**DISP:** Scheduled Sacrifice	**HISTO:** 2002037

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
* Adrenal Medulla	* Islets, Pancreatic	* Lung	* Mammary Gland
* Pancreas	* Pituitary Gland	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	Vagina	
OBSERVATIONS			
* Adrenal Cortex		Hypertrophy	Minimal
* Liver		Inflammation	Minimal
* Ovary		Atrophy	Marked
* Spleen		Pigmentation	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
		Metaplasia	Squamous, Mild
		Polyp Stromal	
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 18	**TRT#:** 1	**SEX:** Female	**DAY ON TEST:** 368
	DOSE: 0 NG/KG	**DISP:** Scheduled Sacrifice	**HISTO:** 2002038

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
* Adrenal Medulla	* Islets, Pancreatic	* Lung	* Mammary Gland
* Pancreas	* Pituitary Gland	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	Vagina	
OBSERVATIONS			
* Adrenal Cortex		Hypertrophy	Mild
* Liver		Inflammation	Minimal
* Ovary		Atrophy	Marked
* Spleen		Pigmentation	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 19	**TRT#:** 1	**SEX:** Female	**DAY ON TEST:** 368
	DOSE: 0 NG/KG	**DISP:** Scheduled Sacrifice	**HISTO:** 2002039

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
* Adrenal Medulla	* Islets, Pancreatic	* Lung	* Pancreas
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	Vagina
OBSERVATIONS			
* Adrenal Cortex		Degeneration	Cystic, Minimal
		Hypertrophy	Mild
* Liver		Inflammation	Minimal
* Mammary Gland		Cyst	Mild
* Ovary		Atrophy	Marked
* Pituitary Gland		Cyst	Moderate
* Spleen		Pigmentation	Minimal
* Thymus		Atrophy	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
		Metaplasia	Squamous, Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 20	**TRT#:** 1	**SEX:** Female	**DAY ON TEST:** 368
	DOSE: 0 NG/KG	**DISP:** Scheduled Sacrifice	**HISTO:** 2002040

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
* Adrenal Cortex	* Adrenal Medulla	* Islets, Pancreatic	* Pancreas
* Pituitary Gland	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	Vagina		
OBSERVATIONS			
* Liver		Inflammation	Minimal
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Cyst	Minimal
* Ovary		Atrophy	Marked
* Spleen		Pigmentation	Mild
* Uterus		Metaplasia	Squamous, Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 21	**TRT#:** 1	**SEX:** Female	**DAY ON TEST:** 351
	DOSE: 0 NG/KG	**DISP:** Natural Death	**HISTO:** 2002041

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Clitoral Gland	* Esophagus	Eye
Harderian Gland	* Heart	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Kidney	* Lymph Node, Mandibular	* Mammary Gland	* Nose
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mesenteric	* Ovary	* Pancreas
* Spleen			

OBSERVATIONS

* Bone Marrow	Hyperplasia	Moderate
* Clitoral Gl		
Note: One clitoral gland cannibalized.		
Eye		
Note: One optic nerve missing.		
* Liver	Inflammation	Minimal
* Lung	Infiltration Cellular	Histiocyte, Minimal
[Infiltration Cellular TGLS = 1-3+4]		
* Uterus	Metaplasia	Squamous, Mild
Note: One horn cannibalized.		

PRIMARY CAUSE OF DEATH - UNCERTAIN

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 22	**TRT#:** 1	**SEX:** Female	**DAY ON TEST:** 694
	DOSE: 0 NG/KG	**DISP:** Moribund Sacrifice	**HISTO:** 2002042

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Brain	* Esophagus
Eye	Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Moderate
* Adrenal Medulla		Hyperplasia	Mild
* Bone Marrow		Hyperplasia	Mild
* Clitoral Gland		Inflammation	Mild
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Fatty Change	Focal, Mild
		Mixed Cell Focus	Multiple
* Lung	Alveolar Epith	Hyperplasia	Minimal
		Infiltration Cellular	Histiocyte, Mild
[Infiltration Cellular TGLS = 3-3+4]			
* Mammary Gland		Fibroadenoma	Multiple
		Hyperplasia	Minimal
[Fibroadenoma TGLS = 1,2-11+12]			
* Nose		Inflammation	Mild
* Ovary		Atrophy	Marked
* Pituitary Gland		Angiectasis	Minimal
	Pars Distalis	Hyperplasia	Mild
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Mild
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 22	**TRT#:** 1	**SEX:** Female	**DAY ON TEST:** 694
	DOSE: 0 NG/KG	**DISP:** Moribund Sacrifice	**HISTO:** 2002042

ORGAN AND ACCOUNTABLE SITE STATUS

* Uterus		Metaplasia	Squamous, Minimal
PRIMARY CAUSE OF DEATH	- Mammary Gland	Fibroadenoma	

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 23	**TRT#:** 1	**SEX:** Female	**DAY ON TEST:** 645
	DOSE: 0 NG/KG	**DISP:** Moribund Sacrifice	**HISTO:** 2002043

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Esophagus	Eye	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Lymph Node, Mesenteric	* Nose	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
		Hypertrophy	Marked
* Bone Marrow		Hyperplasia	Moderate
* Clitoral Gland	Duct	Cyst	Mild
		Inflammation	Minimal
Eye			
Note: One optic nerve missing.			
Harderian Gland		Inflammation	Minimal
* Intestine Large, Rectum		Parasite Metazoan	
* Islets, Pancreatic		Carcinoma	
* Kidney		Nephropathy	Minimal
* Liver		Cholangiofibrosis	Minimal
		Eosinophilic Focus	
		Inflammation	Minimal
		Mixed Cell Focus	Multiple
[Eosinophilic Focus TGLS = 8-14]			
[Mixed Cell Focus TGLS = 9-15]			
* Lung	Alveolar Epith	Hyperplasia	Minimal
		Infiltration Cellular	Histiocyte, Moderate
		Inflammation	Granulomatous, Minimal
[Infiltration Cellular TGLS = 4-3+4]			
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Mild
[Hyperplasia TGLS = 3-9]			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 23	**TRT#:** 1	**SEX:** Female	**DAY ON TEST:** 645
	DOSE: 0 NG/KG	**DISP:** Moribund Sacrifice	**HISTO:** 2002043

ORGAN AND ACCOUNTABLE SITE STATUS

* Mammary Gland		Fibroadenoma	
		Hyperplasia	Minimal
[Fibroadenoma TGLS = 1-11]			
* Ovary		Atrophy	Marked
* Pituitary Gland		Adenoma	
		Angiectasis	Mild
[Adenoma TGLS = 5-13]			
* Spleen		Hematopoietic Cell Proliferation	Mild
		Hyperplasia	Lymphoid, Mild
		Pigmentation	Minimal
[Hyperplasia TGLS = 6-5]			
* Stomach, Glandular		Mineralization	Minimal
* Thymus		Atrophy	Mild
* Thyroid Gland	C Cell	Adenoma	
Tooth	Peridont Tiss	Inflammation	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
		Leiomyoma	
		Polyp Stromal	
[Leiomyoma TGLS = 2-12]			
[Polyp Stromal TGLS = 7-10]			

PRIMARY CAUSE OF DEATH	- Mammary Gland Fibroadenoma
CONTRIBUTORY CAUSE OF DEATH	- Uterus Leiomyoma

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 24	**TRT#:** 1	**SEX:** Female	**DAY ON TEST:** 361
	DOSE: 0 NG/KG	**DISP:** Moribund Sacrifice	**HISTO:** 2002044

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Clitoral Gland	* Esophagus	Eye
Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Bone Marrow		Hyperplasia	Moderate
* Kidney		Inflammation	Chronic Active, Minimal
		Mineralization	Minimal
* Liver		Inflammation	Minimal
* Mammary Gland		Fibroadenoma	
Note: The tumor was primarily fibrous with only a few glandular elements present.			
[Fibroadenoma TGLS = 1-11]			
* Nose	Squam Epithel	Inflammation	Suppurative, Minimal
* Ovary		Atrophy	Marked
* Spleen		Pigmentation	Mild
* Thyroid Gland	Follicular Cel	Hypertrophy	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
		Metaplasia	Squamous, Mild

PRIMARY CAUSE OF DEATH - Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 25	**TRT#:** 1	**SEX:** Female	**DAY ON TEST:** 185
	DOSE: 0 NG/KG	**DISP:** Moribund Sacrifice	**HISTO:** 2002045

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Esophagus	Eye	Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Liver	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Pancreas	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Parathyroid Gland

OBSERVATIONS

* Bone Marrow		Hyperplasia	Moderate
* Clitoral Gland		Inflammation	Mild
Eye			
Note: One eye missing and no optic nerves present.			
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-11+12]			
* Ovary		Atrophy	Marked
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Minimal
Tooth	Peridont Tiss	Inflammation	Minimal
* Uterus		Inflammation	Suppurative, Minimal

PRIMARY CAUSE OF DEATH - Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 26	**TRT#:** 1	**SEX:** Female	**DAY ON TEST:** 213
	DOSE: 0 NG/KG	**DISP:** Scheduled Sacrifice	**HISTO:** 2002046

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
* Adrenal Cortex	* Adrenal Medulla	* Islets, Pancreatic	* Lung
* Mammary Gland	* Pancreas	* Pituitary Gland	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	Vagina
OBSERVATIONS			
* Liver		Inflammation	Minimal
* Ovary		Atrophy	Marked
* Spleen		Pigmentation	Minimal
* Uterus		Metaplasia	Squamous, Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 27	**TRT#:** 1	**SEX:** Female	**DAY ON TEST:** 213
	DOSE: 0 NG/KG	**DISP:** Scheduled Sacrifice	**HISTO:** 2002047

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
* Adrenal Cortex	* Adrenal Medulla	* Islets, Pancreatic	* Lung
* Mammary Gland	* Pituitary Gland	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	Vagina	
OBSERVATIONS			
* Liver		Inflammation	Minimal
* Ovary		Atrophy	Marked
* Pancreas	Acinus	Atrophy	Minimal
* Spleen		Pigmentation	Mild
* Uterus		Metaplasia	Squamous, Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 28	**TRT#:** 1	**SEX:** Female	**DAY ON TEST:** 213
	DOSE: 0 NG/KG	**DISP:** Scheduled Sacrifice	**HISTO:** 2002048

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
* Adrenal Cortex	* Adrenal Medulla	* Islets, Pancreatic	* Lung
* Mammary Gland	* Pancreas	* Pituitary Gland	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	Vagina
OBSERVATIONS			
* Liver		Inflammation	Minimal
		Mixed Cell Focus	
* Ovary		Atrophy	Marked
* Spleen		Pigmentation	Minimal
* Uterus		Metaplasia	Squamous, Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 29	**TRT#:** 1	**SEX:** Female	**DAY ON TEST:** 213
	DOSE: 0 NG/KG	**DISP:** Scheduled Sacrifice	**HISTO:** 2002049

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Islets, Pancreatic	* Mammary Gland
* Pancreas	* Pituitary Gland	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	Vagina		

OBSERVATIONS

* Liver	Inflammation	Minimal
	Mitotic Alteration	Mild
Note: Increased numbers of mitotic figures in hepatocytes.		
* Lung	Infiltration Cellular	Histiocyte, Minimal
* Ovary	Atrophy	Marked
* Skin	Sarcoma	
[Sarcoma TGLS = 1-6,7]		
* Spleen	Pigmentation	Minimal
* Thymus	Atrophy	Mild
* Uterus	Metaplasia	Squamous, Minimal

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 30	**TRT#:** 1	**SEX:** Female	**DAY ON TEST:** 213
	DOSE: 0 NG/KG	**DISP:** Scheduled Sacrifice	**HISTO:** 2002050

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
* Adrenal Cortex	* Adrenal Medulla	* Islets, Pancreatic	* Lung
* Mammary Gland	* Pancreas	* Pituitary Gland	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Uterus
Vagina			
OBSERVATIONS			
* Liver		Inflammation	Minimal
		Mixed Cell Focus	Multiple
* Ovary		Atrophy	Moderate
* Spleen		Pigmentation	Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 31	**TRT#:** 1	**SEX:** Female	**DAY ON TEST:** 732
	DOSE: 0 NG/KG	**DISP:** Terminal Sacrifice	**HISTO:** 2002051

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Bone Marrow	* Brain
* Esophagus	Eye	Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Moderate
		Hyperplasia	Mild
		Hypertrophy	Moderate
[Degeneration TGLS = 3-8]			
* Adrenal Medulla		Hyperplasia	Minimal
* Clitoral Gland	Duct	Cyst	Mild
		Inflammation	Minimal
* Heart		Cardiomyopathy	Minimal
* Intestine Large, Rectum		Parasite Metazoan	
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Eosinophilic Focus	
		Mixed Cell Focus	
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Fibroadenoma	Multiple
		Hyperplasia	Moderate
[Fibroadenoma TGLS = 1,2-11+12]			
[Hyperplasia TGLS = 4-13]			
* Ovary		Atrophy	Marked
* Pancreas	Acinus	Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Adenoma	Multiple
		Angiectasis	Moderate
[Adenoma TGLS = 5-8]			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 31	**TRT#:** 1	**SEX:** Female	**DAY ON TEST:** 732
	DOSE: 0 NG/KG	**DISP:** Terminal Sacrifice	**HISTO:** 2002051

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Mild
* Thymus		Atrophy	Mild
* Thyroid Gland	C Cell	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 32	**TRT#:** 1	**SEX:** Female	**DAY ON TEST:** 95
	DOSE: 0 NG/KG	**DISP:** Scheduled Sacrifice	**HISTO:** 2002052

***** NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 34	**TRT#:** 1	**SEX:** Female	**DAY ON TEST:** 722
	DOSE: 0 NG/KG	**DISP:** Moribund Sacrifice	**HISTO:** 2002054

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Minimal
* Adrenal Medulla		Hyperplasia	Minimal
* Bone Marrow		Hyperplasia	Moderate
* Clitoral Gland	Duct	Cyst	Minimal
		Inflammation	Mild
* Kidney		Calculus Micro Observation Only	Mild
		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Inflammation	Minimal
		Mixed Cell Focus	Multiple
* Lung		Infiltration Cellular	Histiocyte, Mild
		Inflammation	Granulomatous, Minimal
[Infiltration Cellular TGLS = 3-3+4]			
* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 1,2-11+12]			
* Ovary		Atrophy	Marked
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Moderate
[Adenoma TGLS = 4-8]			
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Mild
* Thymus		Atrophy	Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 34	**TRT#:** 1	**SEX:** Female	**DAY ON TEST:** 722
	DOSE: 0 NG/KG	**DISP:** Moribund Sacrifice	**HISTO:** 2002054

ORGAN AND ACCOUNTABLE SITE STATUS

* Uterus	Endometrium	Hyperplasia	Cystic, Mild
		Metaplasia	Squamous, Minimal

PRIMARY CAUSE OF DEATH	- Mammary Gland Fibroadenoma
CONTRIBUTORY CAUSE OF DEATH	- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 35	**TRT#:** 1	**SEX:** Female	**DAY ON TEST:** 492
	DOSE: 0 NG/KG	**DISP:** Moribund Sacrifice	**HISTO:** 2002055

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	Eye	Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Bone Marrow		Hyperplasia	Moderate
* Clitoral Gland	Duct	Cyst	Minimal
		Inflammation	Mild
* Esophagus	Muscularis	Inflammation	Mild
* Liver		Basophilic Focus	
		Mixed Cell Focus	Multiple
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Fibroadenoma	Multiple
		Hyperplasia	Mild
[Fibroadenoma TGLS = 1,2-11+12]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Minimal
* Thymus		Atrophy	Mild
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH - Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 36	**TRT#:** 1	**SEX:** Female	**DAY ON TEST:** 731
	DOSE: 0 NG/KG	**DISP:** Terminal Sacrifice	**HISTO:** 2002056

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Moderate
		Vacuolization Cytoplasmic	Minimal
* Adrenal Medulla		Hyperplasia	Mild
* Bone Marrow		Hyperplasia	Marked
* Clitoral Gland	Duct	Cyst	Marked
		Inflammation	Mild
[Cyst TGLS = 7-10]			
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Inflammation	Minimal
		Mixed Cell Focus	Multiple
* Lung		Infiltration Cellular	Histiocyte, Mild
Note: Left lung frozen for NTP.			
* Mammary Gland		Fibroadenoma	Multiple
		Hyperplasia	Minimal
[Fibroadenoma TGLS = 1,2-11+12]			
* Ovary		Cyst	Moderate
[Cyst TGLS = 4-10]			
* Pituitary Gland		Atypia Cellular	Mild
	Pars Distalis	Hyperplasia	Moderate
* Spleen		Hematopoietic Cell Proliferation	Moderate

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 36	**TRT#:** 1	**SEX:** Female	**DAY ON TEST:** 731
	DOSE: 0 NG/KG	**DISP:** Terminal Sacrifice	**HISTO:** 2002056

ORGAN AND ACCOUNTABLE SITE STATUS

		Pigmentation	Minimal
[Hematopoietic Cell Proliferation TGLS = 3-5]			
* Thymus		Atrophy	Moderate
* Thyroid Gland	Follicular Cel	Hypertrophy	Mild
Tooth	Peridont Tiss	Inflammation	Moderate
* Uterus		Inflammation	Suppurative, Mild
		Metaplasia	Squamous, Moderate
		Polyp Stromal	

Note: There was squamous metaplasia of the right horn with dilatation of the lumen with keratin and inflammatory cells. The squamous epithelium was hyperplastic.
[Metaplasia TGLS = 5-13]
[Polyp Stromal TGLS = 6-14]

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 37	**TRT#:** 1	**SEX:** Female	**DAY ON TEST:** 731
	DOSE: 0 NG/KG	**DISP:** Terminal Sacrifice	**HISTO:** 2002057

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Mild
		Vacuolization Cytoplasmic	Minimal
* Adrenal Medulla		Hyperplasia	Mild
* Clitoral Gland	Duct	Cyst	Moderate
		Inflammation	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Mixed Cell Focus	Multiple
* Lung	Alveolar Epith	Hyperplasia	Minimal
		Infiltration Cellular	Histiocyte, Mild
Note: Left lung frozen for NTP.			
[Infiltration Cellular TGLS = 2-4]			
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Mild
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Minimal
[Fibroadenoma TGLS = 1-11]			
* Ovary		Atrophy	Marked
		Cyst	Moderate
[Cyst TGLS = 4-10]			
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Intermed	Adenoma	
		Angiectasis	Moderate
[Adenoma TGLS = 3-8]			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 37	**TRT#:** 1	**SEX:** Female	**DAY ON TEST:** 731
	DOSE: 0 NG/KG	**DISP:** Terminal Sacrifice	**HISTO:** 2002057

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 3-8]			
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Mild
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Adenoma	
	C Cell	Hyperplasia	Moderate
Tooth	Peridont Tiss	Inflammation	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 38	**TRT#:** 1	**SEX:** Female	**DAY ON TEST:** 731
	DOSE: 0 NG/KG	**DISP:** Terminal Sacrifice	**HISTO:** 2002058

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Bone Marrow	* Brain
* Esophagus	Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Trachea			

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
		Hypertrophy	Mild
		Vacuolization Cytoplasmic	Minimal
* Adrenal Medulla		Hyperplasia	Minimal
* Clitoral Gland	Duct	Cyst	Mild
		Inflammation	Minimal
Eye	Retina	Atrophy	Mild
Note: One optic nerve missing.			
* Kidney	Transit Epithe	Hyperplasia	Mild
	Pelvis	Inflammation	Moderate
		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Clear Cell Focus	Multiple
		Fatty Change	Focal, Minimal
	Bile Duct	Hyperplasia	Mild
		Inflammation	Minimal
		Mixed Cell Focus	Multiple
* Lung			
Note: Left lung frozen for NTP.			
* Mammary Gland		Hyperplasia	Minimal
* Ovary		Atrophy	Marked
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 38	**TRT#:** 1	**SEX:** Female	**DAY ON TEST:** 731
	DOSE: 0 NG/KG	**DISP:** Terminal Sacrifice	**HISTO:** 2002058

ORGAN AND ACCOUNTABLE SITE STATUS

	Pars Intermed	Hyperplasia	Moderate
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Mild
* Thymus		Atrophy	Minimal
* Thyroid Gland	C Cell	Hyperplasia	Moderate
* Urinary Bladder	Transit Epithe	Hyperplasia	Mild
		Inflammation	Moderate
* Uterus		Metaplasia	Squamous, Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 39	**TRT#:** 1	**SEX:** Female	**DAY ON TEST:** 648
	DOSE: 0 NG/KG	**DISP:** Natural Death	**HISTO:** 2002059

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
		Degeneration	Cystic, Moderate
		Hypertrophy	Mild
* Bone Marrow		Hyperplasia	Moderate
* Clitoral Gland	Duct	Cyst	Mild
		Inflammation	Minimal
* Liver		Basophilic Focus	Multiple
		Congestion	Minimal
	Bile Duct	Cyst	Marked
	Centrilobular	Degeneration	Mild
[Congestion TGLS = 6-6]			
[Cyst TGLS = 3-11]			
[Degeneration TGLS = 2-6+7+11]			
Mesentery		Metaplasia	Osseous, Mild
	Vein	Thrombosis	Moderate
[Thrombosis TGLS = 5-11]			
* Ovary		Atrophy	Marked
* Pancreas	Acinus	Vacuolization Cytoplasmic	Mild
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Minimal
* Thymus		Atrophy	Moderate

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 39	**TRT#:** 1	**SEX:** Female	**DAY ON TEST:** 648
	DOSE: 0 NG/KG	**DISP:** Natural Death	**HISTO:** 2002059

ORGAN AND ACCOUNTABLE SITE STATUS

Tooth	Peridont Tiss	Inflammation	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
		Metaplasia	Squamous, Minimal

PRIMARY CAUSE OF DEATH	- Mesentery Vein Thrombosis
CONTRIBUTORY CAUSE OF DEATH	- Liver Centrilobular Degeneration

Animal Note: TGL 4 = NO CORRELATING LESION

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 40	**TRT#:** 1	**SEX:** Female	**DAY ON TEST:** 732
	DOSE: 0 NG/KG	**DISP:** Terminal Sacrifice	**HISTO:** 2002060

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Bone Marrow	* Esophagus
Eye	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mesenteric	* Nose	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Mild
* Adrenal Medulla		Hyperplasia	Moderate
		Pheochromocytoma Benign	
* Brain	Cerebellum	Developmental Malformation	Moderate
Note: Developmental abnormality was used to classify a cyst-like lesion involving the cerebellum and meninges which was probably developmental in origin.			
[Developmental Malformation TGLS = 4-9]			
* Clitoral Gland	Duct	Cyst	Mild
		Inflammation	Minimal
Eye			
Note: One optic nerve missing.			
Harderian Gland		Inflammation	Minimal
* Kidney		Mineralization	Minimal
		Nephropathy	Mild
* Liver		Clear Cell Focus	
		Mixed Cell Focus	Multiple
* Lung	Alveolar Epith	Hyperplasia	Minimal
		Infiltration Cellular	Histiocyte, Mild
[Infiltration Cellular TGLS = 3-3+4]			
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Mild
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Mild
[Fibroadenoma TGLS = 2-11]			
* Ovary		Atrophy	Marked

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 40	**TRT#:** 1	**SEX:** Female	**DAY ON TEST:** 732
	DOSE: 0 NG/KG	**DISP:** Terminal Sacrifice	**HISTO:** 2002060

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Minimal
* Thymus		Atrophy	Mild
* Thyroid Gland	C Cell	Adenoma	
Tooth	Peridont Tiss	Inflammation	Mild
Note: A cyst-like cavity formed around the root of the tooth which contained keratin.			
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
		Metaplasia	Squamous, Minimal
		Polyp Stromal	
[Polyp Stromal TGLS = 1-10]			
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 41	**TRT#:** 1	**SEX:** Female	**DAY ON TEST:** 647
	DOSE: 0 NG/KG	**DISP:** Moribund Sacrifice	**HISTO:** 2002061

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Mild
		Hyperplasia	Mild
		Hypertrophy	Mild
* Bone Marrow		Hyperplasia	Marked
* Clitoral Gland	Duct	Cyst	Moderate
		Inflammation	Mild
[Cyst TGLS = 2-10]			
Eye			
Note: One optic nerve missing.			
* Heart		Cardiomyopathy	Minimal
* Intestine Large, Rectum		Parasite Metazoan	
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Eosinophilic Focus	Multiple
		Inflammation	Minimal
* Lung	Alveolar Epith	Hyperplasia	Minimal
		Infiltration Cellular	Histiocyte, Mild
[Infiltration Cellular TGLS = 6-3+4]			
* Mammary Gland		Cyst	Moderate
		Fibroadenoma	

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 41	**TRT#:** 1	**SEX:** Female	**DAY ON TEST:** 647
	DOSE: 0 NG/KG	**DISP:** Moribund Sacrifice	**HISTO:** 2002061

ORGAN AND ACCOUNTABLE SITE STATUS

	Hyperplasia	Minimal
[Cyst TGLS = 3-12]		
[Fibroadenoma TGLS = 1-11]		
* Ovary	Atrophy	Marked
* Pituitary Gland	Adenoma	
	Angiectasis	Moderate
[Adenoma TGLS = 8-8]		
* Skin	Basal Cell Carcinoma	
[Basal Cell Carcinoma TGLS = 7-13]		
* Spleen	Hematopoietic Cell Proliferation	Minimal
	Pigmentation	Minimal
* Thymus	Atrophy	Mild
* Uterus	Inflammation	Suppurative, Mild
	Metaplasia	Squamous, Moderate

Note: The lumen of the uterus was distended with a keratin-like material with inflammatory cells also present.
[Metaplasia TGLS = 4,5-10]

PRIMARY CAUSE OF DEATH	- Skin Basal Cell Carcinoma
CONTRIBUTORY CAUSE OF DEATH	- Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 42	**TRT#:** 1	**SEX:** Female	**DAY ON TEST:** 469
	DOSE: 0 NG/KG	**DISP:** Natural Death	**HISTO:** 2002062

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Bone Marrow		Hyperplasia	Moderate
* Clitoral Gland		Inflammation	Minimal
Note: One clitoral gland missing.			
Eye			
Note: Cataract-like morphologies observed in lens of some unscheduled death rats were attributed to autolysis and not recorded as lesions. One optic nerve missing.			
* Kidney		Mineralization	Minimal
* Lung		Infiltration Cellular	Histiocyte, Mild
* Lymph Node, Mesenteric		Hyperplasia	Histiocytic, Mild
* Mammary Gland		Carcinoma	
		Fibroadenoma	
[Carcinoma TGLS = 1-11]			
* Ovary		Atrophy	Marked
* Spleen	Lymph Follic	Atrophy	Moderate
		Pigmentation	Mild
* Thymus		Atrophy	Marked
		Hemorrhage	Moderate
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal
		Metaplasia	Squamous, Minimal

PRIMARY CAUSE OF DEATH - Mammary Gland Carcinoma

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 43	**TRT#:** 1	**SEX:** Female	**DAY ON TEST:** 697
	DOSE: 0 NG/KG	**DISP:** Moribund Sacrifice	**HISTO:** 2002063

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Brain	* Esophagus
Eye	Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mesenteric	* Nose	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Trachea		

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
		Hyperplasia	Mild
		Hypertrophy	Mild
		Inflammation	Suppurative, Minimal
* Adrenal Medulla		Hyperplasia	Mild
* Bone Marrow		Hyperplasia	Moderate
* Clitoral Gland		Inflammation	Mild
* Intestine Large, Rectum		Parasite Metazoan	
* Kidney		Casts Protein	Minimal
		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Eosinophilic Focus	
		Mixed Cell Focus	Multiple
		Pigmentation	Minimal
* Lung	Alveolar Epith	Hyperplasia	Mild
		Infiltration Cellular	Histiocyte, Moderate
[Hyperplasia TGLS = 5-3+4]			
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Mild
* Mammary Gland		Carcinoma	Multiple
		Fibroadenoma	
[Carcinoma TGLS = 1-12,3-13]			
[Fibroadenoma TGLS = 2-11]			
* Ovary		Atrophy	Marked

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 43	**TRT#:** 1	**SEX:** Female	**DAY ON TEST:** 697
	DOSE: 0 NG/KG	**DISP:** Moribund Sacrifice	**HISTO:** 2002063

ORGAN AND ACCOUNTABLE SITE STATUS

		Cyst	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Moderate
[Adenoma TGLS = 6-8]			
* Spleen		Hematopoietic Cell Proliferation	Moderate
		Pigmentation	Minimal
* Thymus		Atrophy	Mild
* Thyroid Gland	C Cell	Adenoma	
* Urinary Bladder		Inflammation	Minimal
* Uterus		Metaplasia	Squamous, Moderate
		Polyp Stromal	
[Polyp Stromal TGLS = 4-10]			

PRIMARY CAUSE OF DEATH - Mammary Gland Carcinoma

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 44	**TRT#:** 1	**SEX:** Female	**DAY ON TEST:** 732
	DOSE: 0 NG/KG	**DISP:** Terminal Sacrifice	**HISTO:** 2002064

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Mild
* Bone Marrow		Hyperplasia	Mild
* Clitoral Gland	Duct	Cyst	Minimal
		Inflammation	Mild
Eye			
Note: One optic nerve missing.			
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Basophilic Focus	Multiple
	Bile Duct	Cyst	Moderate
		Mixed Cell Focus	Multiple
[Cyst TGLS = 3-13]			
* Lung		Carcinoma	Metastatic (Thyroid Gland)
	Alveolar Epith	Hyperplasia	Minimal
		Infiltration Cellular	Histiocyte, Moderate
[Carcinoma TGLS = 6-3+4]			
Lymph Node	Deep Cervical	Carcinoma	Metastatic (Thyroid Gland)
[Carcinoma TGLS = 4-13]			
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Mild
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Mild
[Fibroadenoma TGLS = 1-12]			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 44	**TRT#:** 1	**SEX:** Female	**DAY ON TEST:** 732
	DOSE: 0 NG/KG	**DISP:** Terminal Sacrifice	**HISTO:** 2002064

ORGAN AND ACCOUNTABLE SITE STATUS

* Ovary		Atrophy	Marked
		Cyst	Mild
* Pituitary Gland	Pars Distalis	Adenoma	Multiple
		Angiectasis	Minimal
	Pars Distalis	Hyperplasia	Mild
[Adenoma TGLS = 7-8]			
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Minimal
* Stomach, Forestomach		Hyperplasia	Squamous, Minimal
* Thyroid Gland	C Cell	Carcinoma	
	Follicular Cel	Hyperplasia	Moderate
[Carcinoma TGLS = 5-8]			
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate
		Metaplasia	Squamous, Minimal
[Hyperplasia TGLS = 2-10]			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 46	**TRT#:** 1	**SEX:** Female	**DAY ON TEST:** 214
	DOSE: 0 NG/KG	**DISP:** Scheduled Sacrifice	**HISTO:** 2002066

***** NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 47	**TRT#:** 1	**SEX:** Female	**DAY ON TEST:** 733
	DOSE: 0 NG/KG	**DISP:** Terminal Sacrifice	**HISTO:** 2002067

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Mild
* Adrenal Medulla		Hyperplasia	Minimal
* Clitoral Gland	Duct	Cyst	Moderate
		Inflammation	Moderate
Eye			
Note: One optic nerve missing.			
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Basophilic Focus	
	Bile Duct	Cyst	Moderate
		Inflammation	Minimal
		Mixed Cell Focus	Multiple
[Cyst TGLS = 2-11]			
* Lung		Infiltration Cellular	Histiocyte, Mild
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Mild
* Ovary		Atrophy	Marked
* Pituitary Gland		Adenoma	
		Angiectasis	Mild
		Cytoplasmic Alteration	Minimal
[Adenoma TGLS = 1-8]			
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 47	**TRT#:** 1	**SEX:** Female	**DAY ON TEST:** 733
	DOSE: 0 NG/KG	**DISP:** Terminal Sacrifice	**HISTO:** 2002067

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Adenoma	
	C Cell	Hyperplasia	Moderate
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate
		Inflammation	Suppurative, Minimal
		Metaplasia	Squamous, Minimal

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 48	**TRT#:** 1	**SEX:** Female	**DAY ON TEST:** 733
	DOSE: 0 NG/KG	**DISP:** Terminal Sacrifice	**HISTO:** 2002068

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Bone Marrow	* Brain
* Esophagus	Eye	Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Glandular	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
		Hyperplasia	Moderate
		Hypertrophy	Mild
		Vacuolization Cytoplasmic	Mild
* Adrenal Medulla		Pheochromocytoma Benign	
* Clitoral Gland	Duct	Cyst	Mild
		Inflammation	Mild
Eye			
Note: Both optic nerves missing.			
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Minimal
		Nephropathy	Mild
* Liver		Congestion	Minimal
		Inflammation	Minimal
		Mixed Cell Focus	Multiple
[Congestion TGLS = 2-14]			
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-13]			
* Ovary		Atrophy	Marked
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 48	**TRT#:** 1	**SEX:** Female	**DAY ON TEST:** 733
	DOSE: 0 NG/KG	**DISP:** Terminal Sacrifice	**HISTO:** 2002068

ORGAN AND ACCOUNTABLE SITE STATUS

* Stomach, Forestomach		Hyperplasia	Squamous, Minimal
* Thymus		Atrophy	Mild
* Thyroid Gland	C Cell	Hyperplasia	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate
		Metaplasia	Squamous, Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 49	**TRT#:** 1	**SEX:** Female	**DAY ON TEST:** 733
	DOSE: 0 NG/KG	**DISP:** Terminal Sacrifice	**HISTO:** 2002069

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Minimal
* Clitoral Gland	Duct	Cyst	Minimal
		Inflammation	Mild
Harderian Gland		Inflammation	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Angiectasis	Minimal
		Eosinophilic Focus	
		Inflammation	Minimal
		Mixed Cell Focus	Multiple
* Lung		Infiltration Cellular	Histiocyte, Minimal
[Infiltration Cellular TGLS = 3,4-3+4]			
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Mild
* Mammary Gland		Carcinoma	
		Fibroadenoma	
		Hyperplasia	Minimal
[Carcinoma TGLS = 2-12]			
[Fibroadenoma TGLS = 1-11]			
* Ovary		Atrophy	Marked
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Mild
* Thymus		Atrophy	Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 49	**TRT#:** 1	**SEX:** Female	**DAY ON TEST:** 733
	DOSE: 0 NG/KG	**DISP:** Terminal Sacrifice	**HISTO:** 2002069

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland	C Cell	Hyperplasia	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
		Polyp Stromal	
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 50	**TRT#:** 1	**SEX:** Female	**DAY ON TEST:** 95
	DOSE: 0 NG/KG	**DISP:** Scheduled Sacrifice	**HISTO:** 2002070

***** NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 51	**TRT#:** 1	**SEX:** Female	**DAY ON TEST:** 94
	DOSE: 0 NG/KG	**DISP:** Scheduled Sacrifice	**HISTO:** 2002071

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
* Adrenal Cortex	* Adrenal Medulla	* Islets, Pancreatic	* Lung
* Mammary Gland	* Ovary	* Pancreas	* Pituitary Gland
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
Vagina			
OBSERVATIONS			
* Liver	Hepatocyte	Hypertrophy	Minimal
		Inflammation	Minimal
* Spleen		Pigmentation	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Marked
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 52	**TRT#:** 1	**SEX:** Female	**DAY ON TEST:** 94
	DOSE: 0 NG/KG	**DISP:** Scheduled Sacrifice	**HISTO:** 2002072

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
* Adrenal Cortex	* Adrenal Medulla	* Islets, Pancreatic	* Lung
* Mammary Gland	* Ovary	* Pancreas	* Pituitary Gland
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Uterus	Vagina		
OBSERVATIONS			
* Liver		Inflammation	Minimal
* Spleen		Pigmentation	Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 53	**TRT#:** 1	**SEX:** Female	**DAY ON TEST:** 94
	DOSE: 0 NG/KG	**DISP:** Scheduled Sacrifice	**HISTO:** 2002073

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
* Adrenal Cortex	* Adrenal Medulla	* Islets, Pancreatic	* Lung
* Mammary Gland	* Ovary	* Pancreas	* Pituitary Gland
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
Vagina			
OBSERVATIONS			
* Liver		Inflammation	Minimal
* Spleen		Pigmentation	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Marked
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 54	**TRT#:** 1	**SEX:** Female	**DAY ON TEST:** 94
	DOSE: 0 NG/KG	**DISP:** Scheduled Sacrifice	**HISTO:** 2002074

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
* Adrenal Medulla	* Islets, Pancreatic	* Lung	* Mammary Gland
* Ovary	* Pancreas	* Pituitary Gland	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	Vagina
OBSERVATIONS			
* Adrenal Cortex		Hypertrophy	Minimal
* Liver		Inflammation	Minimal
* Spleen		Pigmentation	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal
		Metaplasia	Squamous, Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 55	**TRT#:** 1	**SEX:** Female	**DAY ON TEST:** 94
	DOSE: 0 NG/KG	**DISP:** Scheduled Sacrifice	**HISTO:** 2002075

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
* Adrenal Cortex	* Adrenal Medulla	* Islets, Pancreatic	* Lung
* Pancreas	* Pituitary Gland	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Uterus	Vagina
OBSERVATIONS			
* Liver		Inflammation	Mild
* Mammary Gland		Carcinoma	
[Carcinoma TGLS = 1-6]			
* Ovary		Atrophy	Moderate
* Spleen		Pigmentation	Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 56	**TRT#:** 1	**SEX:** Female	**DAY ON TEST:** 368
	DOSE: 0 NG/KG	**DISP:** Scheduled Sacrifice	**HISTO:** 2002076

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
* Adrenal Medulla	* Islets, Pancreatic	* Mammary Gland	* Pancreas
* Pituitary Gland	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	Vagina		
OBSERVATIONS			
* Adrenal Cortex		Hypertrophy	Mild
* Liver		Inflammation	Minimal
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Ovary		Atrophy	Marked
* Spleen		Pigmentation	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
		Metaplasia	Squamous, Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 57	**TRT#:** 1	**SEX:** Female	**DAY ON TEST:** 368
	DOSE: 0 NG/KG	**DISP:** Scheduled Sacrifice	**HISTO:** 2002077

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
* Adrenal Medulla	* Islets, Pancreatic	* Pancreas	* Pituitary Gland
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	Vagina
OBSERVATIONS			
* Adrenal Cortex		Hypertrophy	Minimal
* Liver		Clear Cell Focus	
		Inflammation	Minimal
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Cyst	Moderate
[Cyst TGLS = 1-4,6]			
* Ovary		Atrophy	Marked
* Spleen		Pigmentation	Mild
* Thymus		Atrophy	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
		Metaplasia	Squamous, Moderate
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 58	**TRT#:** 1	**SEX:** Female	**DAY ON TEST:** 368
	DOSE: 0 NG/KG	**DISP:** Scheduled Sacrifice	**HISTO:** 2002078

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Islets, Pancreatic	* Lung
* Mammary Gland	* Pancreas	* Pituitary Gland	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	Vagina	

OBSERVATIONS

* Liver		Clear Cell Focus	
		Inflammation	Minimal
		Mixed Cell Focus	
* Ovary		Atrophy	Marked
* Spleen		Pigmentation	Mild
* Thymus		Atrophy	Mild
* Uterus	Cervix	Cyst	Squamous, Moderate
		Metaplasia	Squamous, Moderate

Note: The mass found in the cervix at necropsy was several squamous cysts filled with a keratin-like material and inflammatory cells.
Note: One uterine horn was filled with a keratin-like material.
[Cyst TGLS = 1-6]

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 59	**TRT#:** 1	**SEX:** Female	**DAY ON TEST:** 95
	DOSE: 0 NG/KG	**DISP:** Scheduled Sacrifice	**HISTO:** 2002079

***** NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 60	**TRT#:** 1	**SEX:** Female	**DAY ON TEST:** 95
	DOSE: 0 NG/KG	**DISP:** Scheduled Sacrifice	**HISTO:** 2002080

***** NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 61	**TRT#:** 1	**SEX:** Female	**DAY ON TEST:** 631
	DOSE: 0 NG/KG	**DISP:** Natural Death	**HISTO:** 2002081

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	Eye
Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Liver	* Lymph Node, Mesenteric	* Nose
* Pancreas	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Urinary Bladder		
MISSING			
* Esophagus	* Lymph Node, Mandibular	* Parathyroid Gland	* Salivary Glands
* Thyroid Gland	* Trachea		
OBSERVATIONS			
* Kidney		Cyst	Moderate
* Lung		Infiltration Cellular	Histiocyte, Mild
* Mammary Gland		Adenoma	
		Cyst	Mild
[Adenoma TGLS = 1-11]			
* Ovary		Atrophy	Marked
* Pituitary Gland		Adenoma	
		Angiectasis	Mild
[Adenoma TGLS = 2-8]			
* Spleen	Lymph Follic	Atrophy	Mild
		Hematopoietic Cell Proliferation	Minimal
Tooth	Peridont Tiss	Fibrosis	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal
PRIMARY CAUSE OF DEATH	- Pituitary Gland Adenoma		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 62	**TRT#:** 1	**SEX:** Female	**DAY ON TEST:** 731
	DOSE: 0 NG/KG	**DISP:** Terminal Sacrifice	**HISTO:** 2002082

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Minimal
Eye			
Note: One optic nerve missing.			
Harderian Gland		Inflammation	Mild
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Inflammation	Minimal
		Mixed Cell Focus	Multiple
* Lung		Infiltration Cellular	Histiocyte, Mild
Note: Left lung frozen for NTP.			
[Infiltration Cellular TGLS = 1-4+19]			
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Mild
* Ovary		Atrophy	Marked
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Mild
* Thymus		Atrophy	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
		Metaplasia	Squamous, Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 63	**TRT#:** 1	**SEX:** Female	**DAY ON TEST:** 512
	DOSE: 0 NG/KG	**DISP:** Natural Death	**HISTO:** 2002083

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Esophagus	Eye	Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric
* Nose	* Pancreas	* Parathyroid Gland	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Lymph Node, Mandibular	* Salivary Glands

OBSERVATIONS

* Bone Marrow		Hyperplasia	Moderate
* Clitoral Gland	Duct	Cyst	Minimal
Eye			
Note: One eye cannibalized.			
Harderian Gl			
Note: One Harderian gland cannibalized.			
* Heart		Cardiomyopathy	Minimal
* Kidney		Casts Protein	Minimal
		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Inflammation	Minimal
* Lung		Infiltration Cellular	Histiocyte, Moderate
* Mammary Gland		Hyperplasia	Minimal
Note: The mass observed clinically was cannibalized and not available for microscopic examination.			
* Ovary		Atrophy	Marked
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Moderate
[Adenoma TGLS = 1-8]			
* Spleen		Pigmentation	Mild

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 63	**TRT#:** 1	**SEX:** Female	**DAY ON TEST:** 512
	DOSE: 0 NG/KG	**DISP:** Natural Death	**HISTO:** 2002083

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 64	**TRT#:** 1	**SEX:** Female	**DAY ON TEST:** 717
	DOSE: 0 NG/KG	**DISP:** Moribund Sacrifice	**HISTO:** 2002084

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Brain	Ear
* Esophagus	Eye	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mesenteric	* Nose	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Trachea		

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Mild
		Hypertrophy	Mild
* Adrenal Medulla		Hyperplasia	Mild
* Bone Marrow		Hyperplasia	Mild
* Clitoral Gland	Duct	Cyst	Moderate
		Inflammation	Moderate
[Cyst TGLS = 1-10]			
Harderian Gland		Inflammation	Minimal
* Intestine Large, Rectum		Parasite Metazoan	
* Kidney		Mineralization	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Eosinophilic Focus	
		Mixed Cell Focus	
[Basophilic Focus TGLS = 4-6]			
* Lung	Alveolar Epith	Hyperplasia	Minimal
		Infiltration Cellular	Histiocyte, Mild
[Infiltration Cellular TGLS = 6-3+4]			
Lymph Node	Lumbar	Ectasia	Moderate
[Ectasia TGLS = 5-12]			
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Mild
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 2-11]			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 64	**TRT#:** 1	**SEX:** Female	**DAY ON TEST:** 717
	DOSE: 0 NG/KG	**DISP:** Moribund Sacrifice	**HISTO:** 2002084

ORGAN AND ACCOUNTABLE SITE STATUS

* Ovary		Atrophy	Marked
Oviduct		Inflammation	Moderate
* Pituitary Gland	Pars Intermed	Adenoma	
		Angiectasis	Moderate
[Adenoma TGLS = 7-8]			
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Minimal
* Thymus		Atrophy	Mild
* Thyroid Gland	C Cell	Hyperplasia	Mild
* Urinary Bladder		Inflammation	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate
		Metaplasia	Squamous, Minimal
[Hyperplasia TGLS = 3-10]			

PRIMARY CAUSE OF DEATH	- Mammary Gland Fibroadenoma
CONTRIBUTORY CAUSE OF DEATH	- Pituitary Gland Pars Intermed Adenoma

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 65	**TRT#:** 1	**SEX:** Female	**DAY ON TEST:** 369
	DOSE: 0 NG/KG	**DISP:** Scheduled Sacrifice	**HISTO:** 2002085

***** NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 66	**TRT#:** 1	**SEX:** Female	**DAY ON TEST:** 213
	DOSE: 0 NG/KG	**DISP:** Scheduled Sacrifice	**HISTO:** 2002086

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
* Adrenal Cortex	* Adrenal Medulla	* Islets, Pancreatic	* Liver
* Lung	* Mammary Gland	* Pancreas	* Pituitary Gland
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
Vagina			
OBSERVATIONS			
* Ovary		Atrophy	Marked
* Spleen		Pigmentation	Minimal
* Uterus		Metaplasia	Squamous, Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 67	**TRT#:** 1	**SEX:** Female	**DAY ON TEST:** 213
	DOSE: 0 NG/KG	**DISP:** Scheduled Sacrifice	**HISTO:** 2002087

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
* Adrenal Cortex	* Adrenal Medulla	* Islets, Pancreatic	* Lung
* Mammary Gland	* Ovary	* Pancreas	* Pituitary Gland
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
Vagina			
OBSERVATIONS			
* Liver		Inflammation	Minimal
* Spleen		Pigmentation	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 68	**TRT#:** 1	**SEX:** Female	**DAY ON TEST:** 213
	DOSE: 0 NG/KG	**DISP:** Scheduled Sacrifice	**HISTO:** 2002088.

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
* Adrenal Cortex	* Adrenal Medulla	* Islets, Pancreatic	* Mammary Gland
* Pancreas	* Pituitary Gland	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	Vagina	
OBSERVATIONS			
* Liver		Inflammation	Minimal
		Mixed Cell Focus	Multiple
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Ovary		Atrophy	Marked
* Spleen		Pigmentation	Mild
* Uterus		Metaplasia	Squamous, Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 69	**TRT#:** 1	**SEX:** Female	**DAY ON TEST:** 213
	DOSE: 0 NG/KG	**DISP:** Scheduled Sacrifice	**HISTO:** 2002089

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
* Adrenal Cortex	* Adrenal Medulla	* Islets, Pancreatic	* Lung
* Mammary Gland	* Pancreas	* Pituitary Gland	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	Vagina	
OBSERVATIONS			
* Liver		Inflammation	Minimal
* Ovary		Atrophy	Marked
* Spleen		Pigmentation	Minimal
* Thymus		Atrophy	Mild
* Uterus		Metaplasia	Squamous, Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 70	**TRT#:** 1	**SEX:** Female	**DAY ON TEST:** 213
	DOSE: 0 NG/KG	**DISP:** Scheduled Sacrifice	**HISTO:** 2002090

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
* Adrenal Cortex	* Adrenal Medulla	* Islets, Pancreatic	* Lung
* Mammary Gland	* Pituitary Gland	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	Vagina	
OBSERVATIONS			
* Liver		Inflammation	Minimal
* Ovary		Atrophy	Marked
* Pancreas	Acinus	Atrophy	Minimal
* Spleen		Pigmentation	Minimal
* Uterus		Metaplasia	Squamous, Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 71	**TRT#:** 1	**SEX:** Female	**DAY ON TEST:** 701
	DOSE: 0 NG/KG	**DISP:** Moribund Sacrifice	**HISTO:** 2002091

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Brain	* Esophagus
Eye	Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Trachea
* Urinary Bladder			

MISSING

* Clitoral Gland	* Thymus

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Mild
		Hypertrophy	Mild
Note: The zona glomerulosa was diffusely hypertrophic.			
* Adrenal Medulla		Hyperplasia	Mild
* Bone Marrow		Hyperplasia	Moderate
Ear	Pinna	Neural Crest Tumor	
[Neural Crest Tumor TGLS = 1-11]			
* Intestine Large, Colon		Parasite Metazoan	
* Kidney		Mineralization	Minimal
* Liver	Centrilobular	Degeneration	Moderate
		Inflammation	Mild
		Necrosis	Mild
		Pigmentation	Minimal
* Lung		Infiltration Cellular	Histiocyte, Minimal
[Infiltration Cellular TGLS = 4-3+4]			
* Mammary Gland		Hyperplasia	Mild
* Ovary		Atrophy	Marked
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Minimal
[Adenoma TGLS = 5-8]			
* Skin		Schwannoma Malignant	

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 71	**TRT#:** 1	**SEX:** Female	**DAY ON TEST:** 701
	DOSE: 0 NG/KG	**DISP:** Moribund Sacrifice	**HISTO:** 2002091

ORGAN AND ACCOUNTABLE SITE STATUS

[Schwannoma Malignant TGLS = 3-12]			
* Spleen		Hematopoietic Cell Proliferation	Moderate
[Hematopoietic Cell Proliferation TGLS = 2-5]			
* Stomach, Forestomach		Hyperplasia	Squamous, Mild
		Ulcer	Mild
* Stomach, Glandular		Erosion	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal
Tooth	Peridont Tiss	Inflammation	Moderate
Note: The squamous epithelium adjacent to the inflammation was hyperplastic.			
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
		Inflammation	Suppurative, Minimal
		Polyp Stromal	

PRIMARY CAUSE OF DEATH	- Skin Schwannoma Malignant
CONTRIBUTORY CAUSE OF DEATH	- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 72	**TRT#:** 1	**SEX:** Female	**DAY ON TEST:** 369
	DOSE: 0 NG/KG	**DISP:** Scheduled Sacrifice	**HISTO:** 2002092

***** NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 73	**TRT#:** 1	**SEX:** Female	**DAY ON TEST:** 610
	DOSE: 0 NG/KG	**DISP:** Natural Death	**HISTO:** 2002093

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Esophagus	Eye	Harderian Gland
* Heart	* Intestine Large, Colon	* Intestine Small, Duodenum	* Kidney
* Liver	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	
MISSING			
* Clitoral Gland	* Intestine Large, Cecum	* Intestine Large, Rectum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Ovary	* Pancreas
* Urinary Bladder	* Uterus		
OBSERVATIONS			
* Bone Marrow		Hyperplasia	Marked
Eye			
Note: Both optic nerves missing.			
* Kidney			
Note: One kidney missing (cannibalized).			
* Spleen		Pigmentation	Minimal
PRIMARY CAUSE OF DEATH	- UNCERTAIN		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 74	**TRT#:** 1	**SEX:** Female	**DAY ON TEST:** 214
	DOSE: 0 NG/KG	**DISP:** Scheduled Sacrifice	**HISTO:** 2002094

***** NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 75	**TRT#:** 1	**SEX:** Female	**DAY ON TEST:** 646
	DOSE: 0 NG/KG	**DISP:** Moribund Sacrifice	**HISTO:** 2002095

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Brain	* Esophagus
Eye	Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mesenteric	* Nose	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
		Degeneration	Cystic, Moderate
		Hypertrophy	Moderate
		Vacuolization Cytoplasmic	Minimal
* Adrenal Medulla		Hyperplasia	Mild
* Bone Marrow		Hyperplasia	Moderate
* Clitoral Gland	Duct	Cyst	Mild
		Inflammation	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Minimal
* Liver		Basophilic Focus	
		Eosinophilic Focus	
		Hematopoietic Cell Proliferation	Mild
		Inflammation	Minimal
		Mixed Cell Focus	Multiple
* Lung		Infiltration Cellular	Histiocyte, Minimal
[Infiltration Cellular TGLS = 5-3+4]			
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Mild
* Mammary Gland		Cyst	Moderate
		Fibroadenoma	Multiple
		Hyperplasia	Minimal

Note: The skin overlying TGL 2 was ulcerated with inflammation.
[Cyst TGLS = 3-13]

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 75	**TRT#:** 1	**SEX:** Female	**DAY ON TEST:** 646
	DOSE: 0 NG/KG	**DISP:** Moribund Sacrifice	**HISTO:** 2002095

ORGAN AND ACCOUNTABLE SITE STATUS

[Fibroadenoma TGLS = 1,2-11+12]			
* Ovary		Atrophy	Marked
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Mild
[Adenoma TGLS = 6-8]			
* Spleen		Hematopoietic Cell Proliferation	Moderate
		Pigmentation	Minimal
[Hematopoietic Cell Proliferation TGLS = 4-5]			
* Stomach, Forestomach		Squamous Cell Carcinoma	
[Squamous Cell Carcinoma TGLS = 7-6]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
PRIMARY CAUSE OF DEATH	- Mammary Gland Fibroadenoma		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 76	**TRT#:** 1	**SEX:** Female	**DAY ON TEST:** 94
	DOSE: 0 NG/KG	**DISP:** Scheduled Sacrifice	**HISTO:** 2002096

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
* Adrenal Cortex	* Adrenal Medulla	* Islets, Pancreatic	* Lung
* Mammary Gland	* Pancreas	* Pituitary Gland	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Uterus
Vagina			
OBSERVATIONS			
* Liver		Inflammation	Minimal
* Ovary		Atrophy	Moderate
* Spleen		Pigmentation	Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 77	**TRT#:** 1	**SEX:** Female	**DAY ON TEST:** 94
	DOSE: 0 NG/KG	**DISP:** Scheduled Sacrifice	**HISTO:** 2002097

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
* Adrenal Cortex	* Adrenal Medulla	* Islets, Pancreatic	* Lung
* Mammary Gland	* Ovary	* Pancreas	* Pituitary Gland
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Uterus	Vagina		
OBSERVATIONS			
* Liver		Inflammation	Minimal
* Spleen		Pigmentation	Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 78	**TRT#:** 1	**SEX:** Female	**DAY ON TEST:** 94
	DOSE: 0 NG/KG	**DISP:** Scheduled Sacrifice	**HISTO:** 2002098

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
* Adrenal Cortex	* Adrenal Medulla	* Islets, Pancreatic	* Lung
* Mammary Gland	* Ovary	* Pancreas	* Pituitary Gland
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Uterus	Vagina		
OBSERVATIONS			
* Liver		Inflammation	Minimal
		Pigmentation	Minimal
* Spleen		Pigmentation	Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 79	**TRT#:** 1	**SEX:** Female	**DAY ON TEST:** 94
	DOSE: 0 NG/KG	**DISP:** Scheduled Sacrifice	**HISTO:** 2002099

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
* Adrenal Cortex	* Adrenal Medulla	* Islets, Pancreatic	* Lung
* Mammary Gland	* Ovary	* Pancreas	* Pituitary Gland
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
Vagina			
OBSERVATIONS			
* Liver		Inflammation	Minimal
* Spleen		Pigmentation	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Marked
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 80	**TRT#:** 1	**SEX:** Female	**DAY ON TEST:** 94
	DOSE: 0 NG/KG	**DISP:** Scheduled Sacrifice	**HISTO:** 2002100

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
* Adrenal Cortex	* Adrenal Medulla	* Islets, Pancreatic	* Lung
* Mammary Gland	* Ovary	* Pancreas	* Pituitary Gland
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
Vagina			
OBSERVATIONS			
* Liver		Inflammation	Minimal
* Spleen		Pigmentation	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Marked
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 81	**TRT#:** 1	**SEX:** Female	**DAY ON TEST:** 668
	DOSE: 0 NG/KG	**DISP:** Moribund Sacrifice	**HISTO:** 2002101

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Parathyroid Gland	* Thymus

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
		Degeneration	Cystic, Minimal
		Hypertrophy	Moderate
* Adrenal Medulla		Hyperplasia	Moderate
* Bone Marrow		Hyperplasia	Moderate
* Clitoral Gland	Duct	Cyst	Minimal
		Inflammation	Minimal
Eye			
Note: One optic nerve missing.			
Harderian Gland		Inflammation	Minimal
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Inflammation	Minimal
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Moderate
* Mammary Gland		Fibroadenoma	Multiple
		Hyperplasia	Minimal
[Fibroadenoma TGLS = 1,2-11+12]			
* Ovary		Atrophy	Marked
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 81	**TRT#:** 1	**SEX:** Female	**DAY ON TEST:** 668
	DOSE: 0 NG/KG	**DISP:** Moribund Sacrifice	**HISTO:** 2002101

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland	Bilateral, C Cell	Adenoma	
	C Cell	Hyperplasia	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
PRIMARY CAUSE OF DEATH	- Mammary Gland Fibroadenoma		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 82	**TRT#:** 1	**SEX:** Female	**DAY ON TEST:** 366
	DOSE: 0 NG/KG	**DISP:** Natural Death	**HISTO:** 2002102

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Lung	* Lymph Node, Mesenteric
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Bone Marrow		Hyperplasia	Marked
* Clitoral Gland		Inflammation	Minimal
Eye		Degeneration	Marked
		Hemorrhage	Mild
Note: The retina of one eye was destroyed and there was hemorrhage in the eye.			
[Degeneration TGLS = 4-00]			
[Hemorrhage TGLS = 4-00]			
Harderian Gland		Inflammation	Mild
* Liver		Inflammation	Minimal
* Lymph Node, Mandibular		Congestion	Mild
		Hyperplasia	Plasma Cell, Mild
[Congestion TGLS = 2-9]			
[Hyperplasia TGLS = 3-9]			
* Mammary Gland		Cyst	Mild
		Inflammation	Granulomatous, Mild
[Cyst TGLS = 1-11]			
* Nose	Nasolacrim Dct	Inflammation	Mild
Oral Mucosa	Gingival	Squamous Cell Carcinoma	
[Squamous Cell Carcinoma TGLS = 5-1]			
* Ovary		Atrophy	Marked
* Spleen	Lymph Follic	Atrophy	Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 82	**TRT#:** 1	**SEX:** Female	**DAY ON TEST:** 366
	DOSE: 0 NG/KG	**DISP:** Natural Death	**HISTO:** 2002102

ORGAN AND ACCOUNTABLE SITE STATUS

	Hematopoietic Cell Proliferation	Minimal
	Pigmentation	Minimal
* Stomach, Forestomach	Inflammation	Moderate
	Ulcer	Moderate
* Thymus	Atrophy	Marked

PRIMARY CAUSE OF DEATH - Oral Mucosa Gingival Squamous Cell Carcinoma

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 83	**TRT#:** 1	**SEX:** Female	**DAY ON TEST:** 548
	DOSE: 0 NG/KG	**DISP:** Moribund Sacrifice	**HISTO:** 2002103

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Clitoral Gland

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Minimal
* Bone Marrow		Hyperplasia	Moderate
Eye			
Note: One optic nerve missing.			
* Kidney		Mineralization	Minimal
* Liver		Clear Cell Focus	
		Inflammation	Minimal
		Mixed Cell Focus	Multiple
* Lung		Infiltration Cellular	Histiocyte, Mild
[Infiltration Cellular TGLS = 2-3+4]			
* Ovary		Atrophy	Marked
		Cyst	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Skin		Fibroma	
[Fibroma TGLS = 1-11]			
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
		Metaplasia	Squamous, Moderate

PRIMARY CAUSE OF DEATH - Skin Fibroma

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 84	**TRT#:** 1	**SEX:** Female	**DAY ON TEST:** 474
	DOSE: 0 NG/KG	**DISP:** Moribund Sacrifice	**HISTO:** 2002104

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Mild
* Bone Marrow		Hyperplasia	Moderate
* Clitoral Gland	Duct	Cyst	Moderate
		Inflammation	Mild
[Cyst TGLS = 1-10]			
Harderian Gland		Inflammation	Minimal
* Kidney		Mineralization	Minimal
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Mild
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 2-11]			
* Nose		Inflammation	Moderate
Note: Fungal hyphae were present in the areas of inflammation.			
* Ovary		Atrophy	Marked
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Mild
[Angiectasis TGLS = 3-8]			
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Minimal
* Thymus		Atrophy	Mild
* Thyroid Gland	C Cell	Adenoma	
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
		Metaplasia	Squamous, Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 84	**TRT#:** 1	**SEX:** Female	**DAY ON TEST:** 474
	DOSE: 0 NG/KG	**DISP:** Moribund Sacrifice	**HISTO:** 2002104

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH	- Mammary Gland	Fibroadenoma

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 85	**TRT#:** 1	**SEX:** Female	**DAY ON TEST:** 214
	DOSE: 0 NG/KG	**DISP:** Scheduled Sacrifice	**HISTO:** 2002105

***** NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 86	**TRT#:** 1	**SEX:** Female	**DAY ON TEST:** 169
	DOSE: 0 NG/KG	**DISP:** Natural Death	**HISTO:** 2002106

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Esophagus	Eye	Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Liver	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Pancreas
* Salivary Glands	* Skin	* Stomach, Forestomach	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

Blood Vessel	Aorta	Mineralization	Moderate
Note: Vessels in multiple organs were mineralized.			
* Bone Marrow		Hyperplasia	Mild
* Clitoral Gland	Duct	Cyst	Moderate
		Inflammation	Minimal
Eye			
Note: One optic nerve missing.			
* Heart		Cardiomyopathy	Mild
		Mineralization	Mild
* Kidney	Transit Epithe	Hyperplasia	Mild
		Mineralization	Moderate
		Nephropathy	Moderate
[Nephropathy TGLS = 2-5]			
* Lung		Mineralization	Mild
Mesentery		Schwannoma Malignant	
[Schwannoma Malignant TGLS = 1-11]			
* Ovary		Atrophy	Marked
* Parathyroid Gland		Hyperplasia	Mild
* Pituitary Gland		Cyst	Mild
		Developmental Malformation	
* Spleen	Lymph Follic	Atrophy	Mild
		Pigmentation	Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 86	**TRT#:** 1	**SEX:** Female	**DAY ON TEST:** 169
	DOSE: 0 NG/KG	**DISP:** Natural Death	**HISTO:** 2002106

ORGAN AND ACCOUNTABLE SITE STATUS

* Stomach, Glandular	Mineralization	Mild
* Thymus	Atrophy	Moderate

PRIMARY CAUSE OF DEATH	- Kidney Nephropathy
CONTRIBUTORY CAUSE OF DEATH	- Mesentery Schwannoma Malignant

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 87	**TRT#:** 1	**SEX:** Female	**DAY ON TEST:** 646
	DOSE: 0 NG/KG	**DISP:** Moribund Sacrifice	**HISTO:** 2002107

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Esophagus	Eye	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric	* Nose
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Adrenal Cortex		Atrophy	Mild
		Degeneration	Cystic, Mild
		Hyperplasia	Minimal
		Hypertrophy	Mild
* Bone Marrow		Hyperplasia	Mild
* Clitoral Gland	Duct	Cyst	Moderate
		Inflammation	Mild
[Cyst TGLS = 1-10]			
Eye			
Note: One optic nerve missing.			
Harderian Gland		Inflammation	Minimal
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Basophilic Focus	Multiple
		Inflammation	Minimal
* Lung		Infiltration Cellular	Histiocyte, Mild
[Infiltration Cellular TGLS = 5-3+4]			
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Mild
[Hyperplasia TGLS = 3-9]			
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Minimal
[Fibroadenoma TGLS = 2-11]			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 87	**TRT#:** 1	**SEX:** Female	**DAY ON TEST:** 646
	DOSE: 0 NG/KG	**DISP:** Moribund Sacrifice	**HISTO:** 2002107

ORGAN AND ACCOUNTABLE SITE STATUS

* Ovary		Atrophy	Marked
* Pancreas	Acinus	Hyperplasia	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 4-8]			
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Mild
* Thyroid Gland	C Cell	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	- Pituitary Gland Pars Distalis Adenoma		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 88	**TRT#:** 1	**SEX:** Female	**DAY ON TEST:** 732
	DOSE: 0 NG/KG	**DISP:** Terminal Sacrifice	**HISTO:** 2002108

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Esophagus	Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Moderate
		Hypertrophy	Minimal
		Inflammation	Chronic Active, Mild
* Bone Marrow		Hyperplasia	Moderate
* Clitoral Gland	Duct	Cyst	Moderate
		Inflammation	Moderate
Eye	Retina	Atrophy	Moderate
* Heart		Cardiomyopathy	Mild
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Inflammation	Mild
		Mixed Cell Focus	Multiple
		Pigmentation	Minimal
* Lung		Infiltration Cellular	Histiocyte, Mild
[Infiltration Cellular TGLS = 4-3+4]			
* Ovary		Atrophy	Marked
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
* Skin		Cyst Epithelial Inclusion	
Note: The tumor had features of a pilomatricoma which was not an option in the lexicon.			
[Cyst Epithelial Inclusion TGLS = 1-11]			
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Mild
* Thymus		Atrophy	Moderate

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 88	**TRT#:** 1	**SEX:** Female	**DAY ON TEST:** 732
	DOSE: 0 NG/KG	**DISP:** Terminal Sacrifice	**HISTO:** 2002108

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland	C Cell	Adenoma	
	C Cell	Hyperplasia	Mild
* Urinary Bladder		Inflammation	Minimal
* Uterus		Inflammation	Suppurative, Marked
		Metaplasia	Squamous, Marked

Note: The lumen of the uterus was dilated, probably with keratin, which was probably lost in processing.
[Inflammation TGLS = 3-10]
[Metaplasia TGLS = 2-11]

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 89	**TRT#:** 1	**SEX:** Female	**DAY ON TEST:** 95
	DOSE: 0 NG/KG	**DISP:** Scheduled Sacrifice	**HISTO:** 2002109

***** NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 90	**TRT#:** 1	**SEX:** Female	**DAY ON TEST:** 369
	DOSE: 0 NG/KG	**DISP:** Scheduled Sacrifice	**HISTO:** 2002110

***** NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 91	**TRT#:** 1	**SEX:** Female	**DAY ON TEST:** 732
	DOSE: 0 NG/KG	**DISP:** Terminal Sacrifice	**HISTO:** 2002111

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Moderate
* Adrenal Medulla		Hyperplasia	Mild
Eye			
Note: One optic nerve missing.			
Harderian Gland		Inflammation	Minimal
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver	Bile Duct	Hyperplasia	Minimal
		Inflammation	Minimal
		Mixed Cell Focus	Multiple
* Lung		Infiltration Cellular	Histiocyte, Mild
	Alveolar Epith	Metaplasia	Bronchiolar, Minimal
[Infiltration Cellular TGLS = 1-3+4]			
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Mild
* Ovary		Atrophy	Marked
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Mild
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Mild
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Mild
Tooth	Peridont Tiss	Inflammation	Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 91	**TRT#:** 1	**SEX:** Female	**DAY ON TEST:** 732
	DOSE: 0 NG/KG	**DISP:** Terminal Sacrifice	**HISTO:** 2002111

ORGAN AND ACCOUNTABLE SITE STATUS

* Uterus	Endometrium	Hyperplasia	Cystic, Mild
		Metaplasia	Squamous, Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 92	**TRT#:** 1	**SEX:** Female	**DAY ON TEST:** 731
	DOSE: 0 NG/KG	**DISP:** Terminal Sacrifice	**HISTO:** 2002112

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Moderate
		Hypertrophy	Moderate
* Clitoral Gland		Inflammation	Mild
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Inflammation	Minimal
		Mixed Cell Focus	Multiple
* Lung	Alveolar Epith	Hyperplasia	Minimal
		Infiltration Cellular	Histiocyte, Moderate
		Metaplasia	Squamous, Minimal
Note: Left lung frozen for NTP.			
[Infiltration Cellular TGLS = 2-4]			
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Mild
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Mild
[Fibroadenoma TGLS = 1-12]			
* Ovary		Atrophy	Marked
		Cyst	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
[Hyperplasia TGLS = 3-11]			
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 92	**TRT#:** 1	**SEX:** Female	**DAY ON TEST:** 731
	DOSE: 0 NG/KG	**DISP:** Terminal Sacrifice	**HISTO:** 2002112

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus		Atrophy	Moderate
Tooth	Peridont Tiss	Inflammation	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 93	**TRT#:** 1	**SEX:** Female	**DAY ON TEST:** 731
	DOSE: 0 NG/KG	**DISP:** Terminal Sacrifice	**HISTO:** 2002113

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Brain	* Esophagus
Eye	Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mesenteric	* Nose	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
		Hypertrophy	Mild
* Adrenal Medulla		Hyperplasia	Mild
* Bone Marrow		Hyperplasia	Moderate
* Clitoral Gland	Duct	Cyst	Moderate
		Inflammation	Minimal
[Cyst TGLS = 2-10]			
* Intestine Large, Rectum		Parasite Metazoan	
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Inflammation	Minimal
		Mixed Cell Focus	Multiple
* Lung		Infiltration Cellular	Histiocyte, Mild
Note: Left lung frozen for NTP.			
[Infiltration Cellular TGLS = 3-4]			
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Mild
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Minimal
[Fibroadenoma TGLS = 1-12]			
Oral Mucosa	Gingival	Hyperplasia	Squamous, Marked
Note: A cyst-like cavity filled with keratin formed around the hyperplastic epithelium of the oral mucosa and the root of the tooth.			
* Ovary		Atrophy	Marked

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 93	**TRT#:** 1	**SEX:** Female	**DAY ON TEST:** 731
	DOSE: 0 NG/KG	**DISP:** Terminal Sacrifice	**HISTO:** 2002113

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Moderate
[Adenoma TGLS = 4-8]			
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Thymus		Atrophy	Moderate
Tooth	Peridont Tiss	Inflammation	Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 94	**TRT#:** 1	**SEX:** Female	**DAY ON TEST:** 214
	DOSE: 0 NG/KG	**DISP:** Scheduled Sacrifice	**HISTO:** 2002114

***** NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 95	**TRT#:** 1	**SEX:** Female	**DAY ON TEST:** 95
	DOSE: 0 NG/KG	**DISP:** Scheduled Sacrifice	**HISTO:** 2002115

***** NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 96	**TRT#:** 1	**SEX:** Female	**DAY ON TEST:** 733
	DOSE: 0 NG/KG	**DISP:** Terminal Sacrifice	**HISTO:** 2002116

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
		Hyperplasia	Mild
		Hypertrophy	Mild
		Vacuolization Cytoplasmic	Moderate
* Clitoral Gland	Duct	Cyst	Minimal
		Inflammation	Minimal
Eye	Retina	Atrophy	Minimal
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Angiectasis	Mild
		Mixed Cell Focus	Multiple
* Lung	Alveolar Epith	Hyperplasia	Minimal
		Infiltration Cellular	Histiocyte, Mild
[Infiltration Cellular TGLS = 1-3+4]			
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Mild
* Ovary		Atrophy	Marked
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Minimal
[Adenoma TGLS = 2-8]			
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Minimal
* Thymus		Atrophy	Moderate

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 96	**TRT#:** 1	**SEX:** Female	**DAY ON TEST:** 733
	DOSE: 0 NG/KG	**DISP:** Terminal Sacrifice	**HISTO:** 2002116

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland	C Cell	Hyperplasia	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
		Polyp Stromal	Multiple
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 97	**TRT#:** 1	**SEX:** Female	**DAY ON TEST:** 733
	DOSE: 0 NG/KG	**DISP:** Terminal Sacrifice	**HISTO:** 2002117

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Esophagus	Eye	Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric
* Nose	* Pancreas	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Minimal
		Vacuolization Cytoplasmic	Minimal
* Bone Marrow		Hyperplasia	Mild
* Clitoral Gland		Inflammation	Minimal
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Inflammation	Minimal
* Lung		Infiltration Cellular	Histiocyte, Mild
	Alveolar Epith	Metaplasia	Bronchiolar, Minimal
[Infiltration Cellular TGLS = 3-3+4]			
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Moderate
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Moderate
Note: Numerous large cysts were present in the tumor.			
[Fibroadenoma TGLS = 1-14]			
* Ovary		Atrophy	Marked
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Moderate
[Adenoma TGLS = 4-8]			
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 97	**TRT#:** 1	**SEX:** Female	**DAY ON TEST:** 733
	DOSE: 0 NG/KG	**DISP:** Terminal Sacrifice	**HISTO:** 2002117

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus		Atrophy	Mild
* Thyroid Gland	C Cell	Adenoma	
[Adenoma TGLS = 2-8]			
* Urinary Bladder		Inflammation	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal
		Metaplasia	Squamous, Moderate

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 98	**TRT#:** 1	**SEX:** Female	**DAY ON TEST:** 731
	DOSE: 0 NG/KG	**DISP:** Terminal Sacrifice	**HISTO:** 2002118

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Atrophy	Moderate
		Degeneration	Cystic, Moderate
		Hyperplasia	Mild
		Hypertrophy	Marked
		Vacuolization Cytoplasmic	Minimal
Note: One adrenal atrophic.			
* Clitoral Gland	Duct	Cyst	Mild
		Inflammation	Minimal
Eye			
Note: One optic nerve missing.			
Harderian Gland		Inflammation	Minimal
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Inflammation	Minimal
		Mixed Cell Focus	Multiple
* Lung	Alveolar Epith	Hyperplasia	Minimal
		Infiltration Cellular	Histiocyte, Mild
Note: Left lung frozen for NTP.			
[Infiltration Cellular TGLS = 1-4]			
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Moderate
* Ovary		Atrophy	Marked
* Pituitary Gland	Pars Distalis	Adenoma	

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 98	**TRT#:** 1	**SEX:** Female	**DAY ON TEST:** 731
	DOSE: 0 NG/KG	**DISP:** Terminal Sacrifice	**HISTO:** 2002118

ORGAN AND ACCOUNTABLE SITE STATUS

		Angiectasis	Moderate
[Adenoma TGLS = 3-8]			
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Minimal
* Thyroid Gland	Bilateral, C Cell	Adenoma	
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate
		Polyp Stromal	Multiple
[Polyp Stromal TGLS = 2-10]			
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 101	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 214
	DOSE: 3 NG/KG	**DISP:** Scheduled Sacrifice	**HISTO:** 2002119

***** NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 102	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 556
	DOSE: 3 NG/KG	**DISP:** Moribund Sacrifice	**HISTO:** 2002120

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
		Hypertrophy	Moderate
[Angiectasis TGLS = 3-8]			
* Bone Marrow		Hyperplasia	Moderate
* Clitoral Gland	Duct	Cyst	Minimal
		Inflammation	Mild
Eye			
Note: Both optic nerves missing.			
* Kidney		Casts Protein	Minimal
		Mineralization	Minimal
* Liver		Eosinophilic Focus	Multiple
	Hepatocyte	Hypertrophy	Mild
		Inflammation	Minimal
		Mixed Cell Focus	
[Eosinophilic Focus TGLS = 2-6]			
* Lung		Infiltration Cellular	Histiocyte, Mild
[Infiltration Cellular TGLS = 4-3+4]			
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Mild
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-11]			
* Ovary		Atrophy	Marked
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 102	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 556
	DOSE: 3 NG/KG	**DISP:** Moribund Sacrifice	**HISTO:** 2002120

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Minimal
* Thymus		Atrophy	Mild
* Thyroid Gland	C Cell	Adenoma	
Tooth	Peridont Tiss	Inflammation	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal
		Metaplasia	Squamous, Minimal

PRIMARY CAUSE OF DEATH - Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 103	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 548
	DOSE: 3 NG/KG	**DISP:** Moribund Sacrifice	**HISTO:** 2002121

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Esophagus	Eye	Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney
* Lymph Node, Mesenteric	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Moderate
		Hypertrophy	Moderate
		Vacuolization Cytoplasmic	Minimal
* Bone Marrow		Hyperplasia	Marked
* Clitoral Gland	Duct	Cyst	Mild
		Inflammation	Mild
Eye			
Note: One optic nerve missing.			
* Liver		Cholangiofibrosis	Minimal
		Inflammation	Minimal
* Lung		Infiltration Cellular	Histiocyte, Mild
	Alveolar Epith	Metaplasia	Bronchiolar, Minimal
[Metaplasia TGLS = 2-3+4]			
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Mild
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Minimal
		Inflammation	Granulomatous, Mild
[Fibroadenoma TGLS = 1-11]			
* Ovary		Atrophy	Marked
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Minimal
* Thymus		Atrophy	Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 103	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 548
	DOSE: 3 NG/KG	**DISP:** Moribund Sacrifice	**HISTO:** 2002121

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland	C Cell	Hyperplasia	Moderate
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
		Metaplasia	Squamous, Mild
PRIMARY CAUSE OF DEATH	- Mammary Gland Fibroadenoma		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 104	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 731
	DOSE: 3 NG/KG	**DISP:** Terminal Sacrifice	**HISTO:** 2002122

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Mild
		Hyperplasia	Minimal
		Hypertrophy	Moderate
		Vacuolization Cytoplasmic	Minimal
* Clitoral Gland		Inflammation	Minimal
Eye			
Note: One optic nerve missing.			
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Basophilic Focus	
	Hepatocyte	Hypertrophy	Minimal
		Inflammation	Mild
* Lung		Infiltration Cellular	Histiocyte, Moderate
	Alveolar Epith	Metaplasia	Bronchiolar, Minimal
Note: Left lung frozen for NTP.			
[Infiltration Cellular TGLS = 4-4]			
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Mild
* Mammary Gland		Carcinoma	
		Hyperplasia	Minimal
[Carcinoma TGLS = 1-11]			
Oral Mucosa	Gingival	Hyperplasia	Squamous, Minimal
* Ovary		Atrophy	Marked

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 104	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 731
	DOSE: 3 NG/KG	**DISP:** Terminal Sacrifice	**HISTO:** 2002122

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-8]			
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Minimal
* Stomach, Forestomach		Hyperplasia	Squamous, Minimal
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Mild
	Follicular Cel	Hypertrophy	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate
		Metaplasia	Squamous, Mild
		Polyp Stromal	
[Polyp Stromal TGLS = 2-12]			
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 105	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 556
	DOSE: 3 NG/KG	**DISP:** Moribund Sacrifice	**HISTO:** 2002123

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Esophagus	Eye	Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Trachea			

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
		Hypertrophy	Minimal
* Bone Marrow		Hyperplasia	Mild
* Clitoral Gland	Duct	Cyst	Mild
		Inflammation	Mild
* Kidney		Mineralization	Minimal
* Liver		Angiectasis	Minimal
		Eosinophilic Focus	
		Fatty Change	Focal, Mild
		Inflammation	Minimal
		Mixed Cell Focus	
* Lung		Infiltration Cellular	Histiocyte, Mild
[Infiltration Cellular TGLS = 2-3+4]			
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-11]			
* Ovary		Atrophy	Marked
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Minimal
* Thymus		Atrophy	Mild
* Thyroid Gland	C Cell	Hyperplasia	Moderate
* Urinary Bladder		Inflammation	Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 105	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 556
	DOSE: 3 NG/KG	**DISP:** Moribund Sacrifice	**HISTO:** 2002123

ORGAN AND ACCOUNTABLE SITE STATUS

* Uterus	Endometrium	Hyperplasia	Cystic, Minimal
		Inflammation	Suppurative, Minimal
		Metaplasia	Squamous, Minimal
PRIMARY CAUSE OF DEATH	- Mammary Gland Fibroadenoma		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 106	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 449
	DOSE: 3 NG/KG	**DISP:** Moribund Sacrifice	**HISTO:** 2002124

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Bone Marrow		Hyperplasia	Marked
* Clitoral Gland	Duct	Cyst	Mild
		Inflammation	Minimal
Eye			
Note: One optic nerve missing.			
* Heart		Schwannoma Malignant	
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Eosinophilic Focus	
		Inflammation	Minimal
* Lung		Infiltration Cellular	Histiocyte, Mild
	Alveolar Epith	Metaplasia	Bronchiolar, Minimal
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-11+12]			
Oral Mucosa	Gingival	Hyperplasia	Squamous, Minimal
Note: Hair was embedded in the hyperplastic squamous epithelium.			
* Ovary		Atrophy	Marked
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Minimal
* Thyroid Gland	C Cell	Hyperplasia	Moderate
Tooth	Peridont Tiss	Inflammation	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 106	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 449
	DOSE: 3 NG/KG	**DISP:** Moribund Sacrifice	**HISTO:** 2002124

ORGAN AND ACCOUNTABLE SITE STATUS

		Metaplasia	Squamous, Moderate
PRIMARY CAUSE OF DEATH	- Mammary Gland Fibroadenoma		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 107	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 733
	DOSE: 3 NG/KG	**DISP:** Terminal Sacrifice	**HISTO:** 2002125

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
		Degeneration	Cystic, Minimal
		Hypertrophy	Moderate
* Adrenal Medulla		Hyperplasia	Moderate
* Clitoral Gland		Inflammation	Minimal
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver	Hepatocyte	Hypertrophy	Minimal
		Inflammation	Minimal
		Mixed Cell Focus	Multiple
* Lung		Infiltration Cellular	Histiocyte, Mild
	Alveolar Epith	Metaplasia	Bronchiolar, Minimal
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Mild
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Minimal
[Fibroadenoma TGLS = 1-11]			
Oral Mucosa	Gingival	Hyperplasia	Squamous, Minimal
Note: The hyperplastic squamous epithelium contained embedded hair.			
* Ovary		Atrophy	Marked
* Spleen		Pigmentation	Minimal
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 107	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 733
	DOSE: 3 NG/KG	**DISP:** Terminal Sacrifice	**HISTO:** 2002125

ORGAN AND ACCOUNTABLE SITE STATUS

Tooth	Peridont Tiss	Inflammation	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
		Metaplasia	Squamous, Moderate
		Polyp Stromal	
[Polyp Stromal TGLS = 2-12]			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 108	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 526
	DOSE: 3 NG/KG	**DISP:** Moribund Sacrifice	**HISTO:** 2002126

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Brain	* Esophagus
Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Minimal
* Adrenal Medulla		Hyperplasia	Mild
* Bone Marrow		Hyperplasia	Moderate
* Clitoral Gland	Duct	Cyst	Moderate
		Inflammation	Minimal
Note: One clitoral gland missing.			
Eye	Retina	Atrophy	Mild
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Eosinophilic Focus	Multiple
		Fatty Change	Focal, Mild
		Hepatodiaphragmatic Nodule	
	Hepatocyte	Hypertrophy	Minimal
		Inflammation	Minimal
		Mixed Cell Focus	Multiple
[Hepatodiaphragmatic Nodule TGLS = 3-7]			
* Lung		Infiltration Cellular	Histiocyte, Mild
[Infiltration Cellular TGLS = 4-3+4]			
* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 1,2-11+12]			
* Pituitary Gland		Cyst	Moderate
[Cyst TGLS = 5-8]			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 108	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 526
	DOSE: 3 NG/KG	**DISP:** Moribund Sacrifice	**HISTO:** 2002126

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen	Hematopoietic Cell Proliferation	Minimal
	Pigmentation	Minimal
* Thymus	Atrophy	Moderate
* Uterus	Polyp Stromal	

PRIMARY CAUSE OF DEATH - Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 109	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 648
	DOSE: 3 NG/KG	**DISP:** Moribund Sacrifice	**HISTO:** 2002127

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Esophagus	Eye	Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Trachea			

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Mild
		Hypertrophy	Mild
* Bone Marrow		Hyperplasia	Marked
* Clitoral Gland	Duct	Cyst	Minimal
		Inflammation	Mild
Eye			
Note: Both optic nerves missing.			
* Kidney		Mineralization	Minimal
* Liver	Hepatocyte	Hypertrophy	Minimal
		Inflammation	Minimal
		Mixed Cell Focus	Multiple
* Lung		Infiltration Cellular	Histiocyte, Mild
	Alveolar Epith	Metaplasia	Bronchiolar, Mild
[Infiltration Cellular TGLS = 2-3+4]			
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-11]			
* Ovary		Atrophy	Marked
* Pituitary Gland		Angiectasis	Minimal
	Pars Distalis	Hyperplasia	Mild
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Minimal
* Thymus		Atrophy	Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 109	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 648
	DOSE: 3 NG/KG	**DISP:** Moribund Sacrifice	**HISTO:** 2002127

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland	C Cell	Hyperplasia	Moderate
	Follicular Cel	Hypertrophy	Minimal
* Urinary Bladder		Polyp	
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
		Metaplasia	Squamous, Mild

PRIMARY CAUSE OF DEATH - Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 110	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 647
	DOSE: 3 NG/KG	**DISP:** Moribund Sacrifice	**HISTO:** 2002128

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Minimal
* Adrenal Medulla		Hyperplasia	Moderate
* Clitoral Gland	Duct	Cyst	Mild
		Inflammation	Mild
[Cyst TGLS = 1-10]			
Eye			
Note: One optic nerve missing.			
Harderian Gland		Inflammation	Minimal
* Liver		Inflammation	Minimal
		Pigmentation	Minimal
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Moderate
Oral Mucosa	Gingival	Squamous Cell Carcinoma	
[Squamous Cell Carcinoma TGLS = 4-1]			
* Ovary		Cyst	Mild
[Cyst TGLS = 2-10]			
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Moderate
		Vacuolization Cytoplasmic	Mild
[Adenoma TGLS = 3-8]			
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 110	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 647
	DOSE: 3 NG/KG	**DISP:** Moribund Sacrifice	**HISTO:** 2002128

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus		Atrophy	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Marked

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 111	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 732
	DOSE: 3 NG/KG	**DISP:** Terminal Sacrifice	**HISTO:** 2002129

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Esophagus	Eye
Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mesenteric	* Nose	* Pancreas
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder		

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Mild
* Adrenal Medulla		Hyperplasia	Mild
		Pheochromocytoma Benign	
* Bone Marrow		Hyperplasia	Marked
* Brain	Glial Cell	Hyperplasia	Mild
* Clitoral Gland	Duct	Cyst	Moderate
		Inflammation	Minimal
Eye			
Note: One optic nerve missing.			
* Kidney		Mineralization	Minimal
* Liver		Eosinophilic Focus	Multiple
[Eosinophilic Focus TGLS = 6-6+7]			
* Lung		Infiltration Cellular	Histiocyte, Moderate
	Alveolar Epith	Metaplasia	Bronchiolar, Mild
[Infiltration Cellular TGLS = 4-3+4]			
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Mild
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Minimal
[Fibroadenoma TGLS = 1-12]			
* Ovary		Atrophy	Marked
		Cyst	Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 111	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 732
	DOSE: 3 NG/KG	**DISP:** Terminal Sacrifice	**HISTO:** 2002129

ORGAN AND ACCOUNTABLE SITE STATUS

[Cyst TGLS = 2-10]			
* Pituitary Gland	Pars Distalis	Adenoma	
		Vacuolization Cytoplasmic	Minimal
[Adenoma TGLS = 5-8]			
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Minimal
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Adenoma	
* Uterus		Inflammation	Chronic Active, Moderate
		Metaplasia	Squamous, Marked

Note: There was squamous metaplasia of the entire lining of the uterus with dilatation of the lumen and accumulation of keratin.
[Metaplasia TGLS = 3-11]

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 112	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 490
	DOSE: 3 NG/KG	**DISP:** Natural Death	**HISTO:** 2002130

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Esophagus	Eye	Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Uterus	

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Mild
		Hypertrophy	Moderate
* Bone Marrow		Lymphoma Malignant	
* Clitoral Gland		Inflammation	Minimal
Eye			
Note: One optic nerve missing.			
* Heart		Lymphoma Malignant	
* Kidney		Casts Protein	Mild
		Mineralization	Minimal
* Liver		Lymphoma Malignant	
* Lung		Hemorrhage	Mild
		Infiltration Cellular	Histiocyte, Minimal
		Lymphoma Malignant	
Lymph Node	Mediastinal	Lymphoma Malignant	
	Pancreatic	Lymphoma Malignant	
[Lymphoma Malignant TGLS = 1-11]			
* Ovary		Atrophy	Marked
		Cyst	Moderate
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Spleen		Lymphoma Malignant	
* Thymus		Atrophy	Moderate
* Urinary Bladder		Hemorrhage	Moderate

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 112	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 490
	DOSE: 3 NG/KG	**DISP:** Natural Death	**HISTO:** 2002130

ORGAN AND ACCOUNTABLE SITE STATUS

		Inflammation	Mild
PRIMARY CAUSE OF DEATH	- Lymph Node Pancreatic Lymphoma Malignant		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 113	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 556
	DOSE: 3 NG/KG	**DISP:** Moribund Sacrifice	**HISTO:** 2002131

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Esophagus	Eye	Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric
* Nose	* Pancreas	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea			

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Mild
		Hypertrophy	Moderate
* Bone Marrow		Hyperplasia	Moderate
* Clitoral Gland		Inflammation	Mild
Eye			
Note: One optic nerve missing.			
* Kidney		Casts Protein	Minimal
		Mineralization	Minimal
		Nephropathy	Minimal
* Liver	Hepatocyte	Hypertrophy	Minimal
		Inflammation	Minimal
* Lung		Infiltration Cellular	Histiocyte, Minimal
[Infiltration Cellular TGLS = 2-3+4]			
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
* Mammary Gland		Cyst	Minimal
		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 1-11]			
* Ovary		Atrophy	Marked
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 113	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 556
	DOSE: 3 NG/KG	**DISP:** Moribund Sacrifice	**HISTO:** 2002131

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus		Atrophy	Mild
* Urinary Bladder		Inflammation	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
PRIMARY CAUSE OF DEATH	- Mammary Gland Fibroadenoma		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 114	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 241
	DOSE: 3 NG/KG	**DISP:** Moribund Sacrifice	**HISTO:** 2002132

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Clitoral Gland	* Esophagus	Eye	Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mesenteric	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
OBSERVATIONS			
* Adrenal Cortex		Hyperplasia	Minimal
* Bone Marrow		Hyperplasia	Moderate
* Kidney		Mineralization	Minimal
* Liver		Inflammation	Minimal
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Mild
* Mammary Gland		Carcinoma	
		Fibroadenoma	
[Carcinoma TGLS = 2-12]			
[Fibroadenoma TGLS = 1-11]			
* Ovary		Atrophy	Marked
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Minimal
* Thyroid Gland	C Cell	Hyperplasia	Mild
* Uterus		Metaplasia	Squamous, Minimal

PRIMARY CAUSE OF DEATH	- Mammary Gland	Carcinoma
CONTRIBUTORY CAUSE OF DEATH	- Mammary Gland	Fibroadenoma

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 115	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 448
	DOSE: 3 NG/KG	**DISP:** Natural Death	**HISTO:** 2002133

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Mild
* Bone Marrow		Hyperplasia	Marked
* Clitoral Gland	Duct	Cyst	Minimal
		Inflammation	Mild
Eye			
Note: Both optic nerves missing.			
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver	Centrilobular	Degeneration	Mild
		Inflammation	Minimal
* Lung		Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Lumbar	Hyperplasia	Plasma Cell, Moderate
[Hyperplasia TGLS = 2-12]			
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-11]			
Oral Mucosa	Gingival	Hyperplasia	Squamous, Mild
* Ovary		Atrophy	Marked
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Minimal
* Thymus		Atrophy	Marked

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 115	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 448
	DOSE: 3 NG/KG	**DISP:** Natural Death	**HISTO:** 2002133

ORGAN AND ACCOUNTABLE SITE STATUS

* Uterus		Metaplasia	Squamous, Mild
PRIMARY CAUSE OF DEATH	- Mammary Gland Fibroadenoma		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 116	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 578
	DOSE: 3 NG/KG	**DISP:** Moribund Sacrifice	**HISTO:** 2002134

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Mild
* Bone Marrow		Hyperplasia	Moderate
* Clitoral Gland	Duct	Cyst	Mild
Eye			
Note: One optic nerve missing.			
* Kidney		Inflammation	Chronic Active, Minimal
		Mineralization	Minimal
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
	Oval Cell	Hyperplasia	Minimal
	Hepatocyte	Hypertrophy	Minimal
		Inflammation	Mild
		Pigmentation	Minimal
		Toxic Hepatopathy	Minimal
* Lung		Pigmentation	Minimal
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Mild
* Mammary Gland		Cyst	Moderate
		Fibroadenoma	
[Fibroadenoma TGLS = 1-11]			
* Ovary		Atrophy	Marked
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Spleen		Hematopoietic Cell Proliferation	Moderate

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 116	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 578
	DOSE: 3 NG/KG	**DISP:** Moribund Sacrifice	**HISTO:** 2002134

ORGAN AND ACCOUNTABLE SITE STATUS

		Pigmentation	Minimal
[Hematopoietic Cell Proliferation TGLS = 2-5]			
* Thymus		Atrophy	Mild
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal
		Polyp Stromal	

PRIMARY CAUSE OF DEATH - Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 117	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 394
	DOSE: 3 NG/KG	**DISP:** Moribund Sacrifice	**HISTO:** 2002135

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Esophagus	Eye	Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Minimal
* Bone Marrow		Hyperplasia	Moderate
* Clitoral Gland	Duct	Cyst	Minimal
		Inflammation	Minimal
* Kidney		Mineralization	Minimal
* Liver		Inflammation	Minimal
		Mixed Cell Focus	
* Lung		Infiltration Cellular	Histiocyte, Minimal
[Infiltration Cellular TGLS = 2-3+4]			
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Mild
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-11]			
* Ovary		Atrophy	Marked
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Minimal
* Urinary Bladder		Inflammation	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
		Metaplasia	Squamous, Mild

PRIMARY CAUSE OF DEATH - Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 118	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 681
	DOSE: 3 NG/KG	**DISP:** Moribund Sacrifice	**HISTO:** 2002136

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Brain	* Esophagus
Eye	Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric	* Nose
* Ovary	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
		Hypertrophy	Mild
* Adrenal Medulla		Hyperplasia	Minimal
* Bone Marrow		Hyperplasia	Mild
* Clitoral Gland	Duct	Cyst	Mild
		Inflammation	Moderate
Eye			
Note: One optic nerve missing.			
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Inflammation	Minimal
		Mixed Cell Focus	Multiple
* Lung		Infiltration Cellular	Histiocyte, Mild
	Alveolar Epith	Metaplasia	Bronchiolar, Minimal
[Infiltration Cellular TGLS = 2-3+4]			
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Mild
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Moderate
[Fibroadenoma TGLS = 1-11]			
* Pancreas	Acinus	Atrophy	Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 118	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 681
	DOSE: 3 NG/KG	**DISP:** Moribund Sacrifice	**HISTO:** 2002136

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Mild
PRIMARY CAUSE OF DEATH	- Mammary Gland Fibroadenoma		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 119	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 369
	DOSE: 3 NG/KG	**DISP:** Scheduled Sacrifice	**HISTO:** 2002137

***** NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 120	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 341
	DOSE: 3 NG/KG	**DISP:** Moribund Sacrifice	**HISTO:** 2002138

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Esophagus	Eye	Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mesenteric	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Uterus	

OBSERVATIONS

* Bone Marrow		Hyperplasia	Marked
* Clitoral Gland	Duct	Cyst	Mild
		Inflammation	Mild
* Kidney		Casts Protein	Mild
	Transit Epithe	Hyperplasia	Mild
	Pelvis	Inflammation	Mild
		Mineralization	Minimal
* Liver		Fatty Change	Diffuse, Minimal
		Inflammation	Mild
		Necrosis	Mild
[Fatty Change TGLS = 4-6+7]			
* Lung		Carcinoma	Metastatic (Mammary Gland)
		Infiltration Cellular	Histiocyte, Minimal
[Carcinoma TGLS = 6,7-12+13]			
Lymph Node	Lumbar	Ectasia	Mild
[Ectasia TGLS = 5-13]			
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Mild
* Mammary Gland		Carcinoma	
[Carcinoma TGLS = 1-11]			
* Ovary		Atrophy	Marked
* Spleen		Hematopoietic Cell Proliferation	Moderate
[Hematopoietic Cell Proliferation TGLS = 2-5]			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 120	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 341
	DOSE: 3 NG/KG	**DISP:** Moribund Sacrifice	**HISTO:** 2002138

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus		Atrophy	Moderate
* Thyroid Gland	Follicular Cel	Hyperplasia	Moderate
* Urinary Bladder		Calculus Micro Observation Only	
	Transit Epithe	Hyperplasia	Moderate
		Inflammation	Minimal
[Calculus Micro Observation Only TGLS = 3-13]			

PRIMARY CAUSE OF DEATH - Mammary Gland Carcinoma

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 121	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 731
	DOSE: 3 NG/KG	**DISP:** Terminal Sacrifice	**HISTO:** 2002139

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Brain	* Esophagus
Eye	Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Minimal
* Adrenal Medulla		Hyperplasia	Mild
* Bone Marrow		Hyperplasia	Marked
* Clitoral Gland	Duct	Cyst	Moderate
		Inflammation	Mild
Eye			
Note: One optic nerve missing.			
* Heart		Cardiomyopathy	Minimal
* Kidney	Transit Epithe	Hyperplasia	Moderate
		Nephropathy	Minimal
* Liver		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Minimal
	Oval Cell	Hyperplasia	Minimal
	Hepatocyte	Hypertrophy	Minimal
		Inflammation	Minimal
		Pigmentation	Minimal
* Lung		Infiltration Cellular	Histiocyte, Minimal
Note: Left lung frozen for NTP.			
* Mammary Gland		Carcinoma	
		Cyst	Marked
		Fibroadenoma	Multiple
		Hyperplasia	Mild
[Carcinoma TGLS = 4-14]			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 121	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 731
	DOSE: 3 NG/KG	**DISP:** Terminal Sacrifice	**HISTO:** 2002139

ORGAN AND ACCOUNTABLE SITE STATUS

[Cyst TGLS = 1-11]			
[Fibroadenoma TGLS = 2,3,5-12+13+15]			
* Ovary		Atrophy	Marked
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Moderate
[Adenoma TGLS = 6-8]			
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Minimal
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Adenoma	
	C Cell	Hyperplasia	Moderate
Tooth	Peridont Tiss	Inflammation	Minimal
* Urinary Bladder	Transit Epithe	Hyperplasia	Minimal
		Inflammation	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate
		Inflammation	Suppurative, Minimal
		Metaplasia	Squamous, Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 122	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 733
	DOSE: 3 NG/KG	**DISP:** Terminal Sacrifice	**HISTO:** 2002140

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Esophagus	Eye
Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Kidney	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
		Hyperplasia	Mild
		Hypertrophy	Mild
* Adrenal Medulla		Angiectasis	Mild
		Pheochromocytoma Benign	
* Bone Marrow		Hyperplasia	Mild
* Brain		Mineralization	Mild
* Clitoral Gland		Inflammation	Mild
Eye			
Note: One optic nerve missing.			
* Heart		Cardiomyopathy	Minimal
* Liver		Clear Cell Focus	
		Eosinophilic Focus	
	Oval Cell	Hyperplasia	Minimal
	Hepatocyte	Hypertrophy	Minimal
		Inflammation	Minimal
		Pigmentation	Minimal
		Toxic Hepatopathy	Minimal
* Lung		Infiltration Cellular	Histiocyte, Mild
	Alveolar Epith	Metaplasia	Bronchiolar, Mild
[Infiltration Cellular TGLS = 1-3+4]			
* Mammary Gland		Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 122	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 733
	DOSE: 3 NG/KG	**DISP:** Terminal Sacrifice	**HISTO:** 2002140

ORGAN AND ACCOUNTABLE SITE STATUS

Oral Mucosa	Gingival	Hyperplasia	Squamous, Mild
Note: There was hyperplasia of the oral mucosa adjacent to the tooth that formed a cavity that contained hair shafts.			
* Ovary		Atrophy	Marked
		Cyst	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Moderate
[Adenoma TGLS = 2-8]			
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Mild
* Thymus		Atrophy	Marked
Tooth	Peridont Tiss	Inflammation	Minimal
* Uterus		Inflammation	Suppurative, Mild
		Metaplasia	Squamous, Moderate

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 123	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 733
	DOSE: 3 NG/KG	**DISP:** Terminal Sacrifice	**HISTO:** 2002141

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Esophagus	Eye	Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric
* Nose	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Trachea

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
		Degeneration	Cystic, Minimal
		Hyperplasia	Moderate
		Hypertrophy	Moderate
* Clitoral Gland	Duct	Cyst	Minimal
		Inflammation	Minimal
Eye			
Note: One optic nerve missing.			
* Intestine Large, Rectum		Parasite Metazoan	
* Kidney		Nephropathy	Minimal
* Liver		Inflammation	Minimal
		Mixed Cell Focus	
* Lung		Infiltration Cellular	Histiocyte, Mild
[Infiltration Cellular TGLS = 1-3+4]			
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Mild
* Mammary Gland		Fibroadenoma	
* Ovary		Atrophy	Marked
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Moderate
[Adenoma TGLS = 3-8]			
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Mild
* Thymus		Atrophy	Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 123	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 733
	DOSE: 3 NG/KG	**DISP:** Terminal Sacrifice	**HISTO:** 2002141

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland	C Cell	Adenoma	
		Angiectasis	Mild
	C Cell	Hyperplasia	Mild
[Adenoma TGLS = 2-8]			
Tooth	Peridont Tiss	Inflammation	Minimal
* Urinary Bladder		Inflammation	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 124	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 731
	DOSE: 3 NG/KG	**DISP:** Terminal Sacrifice	**HISTO:** 2002142

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Mild
		Hypertrophy	Moderate
* Bone Marrow		Hyperplasia	Mild
* Clitoral Gland	Duct	Cyst	Moderate
		Inflammation	Minimal
Eye			
Note: One optic nerve missing.			
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver	Hepatocyte	Hypertrophy	Mild
		Inflammation	Minimal
		Mixed Cell Focus	
		Necrosis	Minimal
* Lung		Infiltration Cellular	Histiocyte, Mild
	Alveolar Epith	Metaplasia	Bronchiolar, Mild
Note: Left lung frozen for NTP.			
[Infiltration Cellular TGLS = 3-4]			
* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 2-12]			
* Ovary		Atrophy	Marked
		Cyst	Mild
[Cyst TGLS = 4-10]			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 124	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 731
	DOSE: 3 NG/KG	**DISP:** Terminal Sacrifice	**HISTO:** 2002142

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Mild
[Adenoma TGLS = 6-8]			
* Skin		Lipoma	
[Lipoma TGLS = 1-13]			
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Minimal
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Adenoma	
	Follicular Cel	Hypertrophy	Moderate
* Uterus	Cervix	Hyperplasia	Stromal, Marked
	Endometrium	Hyperplasia	Cystic, Mild
[Hyperplasia TGLS = 5-11]			
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 125	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 732
	DOSE: 3 NG/KG	**DISP:** Terminal Sacrifice	**HISTO:** 2002143

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
		Degeneration	Cystic, Moderate
		Hypertrophy	Moderate
* Bone	Maxilla	Inflammation	Suppurative, Focal, Mild
* Clitoral Gland	Duct	Cyst	Mild
		Inflammation	Mild
* Kidney		Fibrosis	Mild
		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Eosinophilic Focus	Multiple
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Carcinoma	
		Fibroadenoma	
		Hyperplasia	Minimal
[Carcinoma TGLS = 2-12]			
[Fibroadenoma TGLS = 1-11]			
* Ovary		Atrophy	Marked
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Hyperplasia	Mild
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Minimal
* Thymus		Atrophy	Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 125	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 732
	DOSE: 3 NG/KG	**DISP:** Terminal Sacrifice	**HISTO:** 2002143

ORGAN AND ACCOUNTABLE SITE STATUS

Tooth	Peridont Tiss	Inflammation	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal
		Metaplasia	Squamous, Moderate
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 126	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 729
	DOSE: 3 NG/KG	**DISP:** Natural Death	**HISTO:** 2002144

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Mild
* Bone Marrow		Hyperplasia	Marked
* Clitoral Gland	Duct	Cyst	Mild
Eye			
Note: One optic nerve missing.			
* Heart		Cardiomyopathy	Minimal
* Intestine Large, Rectum		Carcinoma	
[Carcinoma TGLS = 1-11]			
* Kidney	Pelvis	Dilatation	Mild
		Mineralization	Minimal
* Liver	Bile Duct	Hyperplasia	Minimal
* Lung		Infiltration Cellular	Histiocyte, Moderate
	Alveolar Epith	Metaplasia	Bronchiolar, Minimal
[Infiltration Cellular TGLS = 2-3+4]			
* Lymph Node, Mesenteric		Atrophy	Moderate
* Ovary		Atrophy	Marked
Oviduct		Inflammation	Moderate
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
* Spleen		Pigmentation	Moderate
* Stomach, Forestomach		Hyperplasia	Squamous, Mild
		Inflammation	Mild
		Ulcer	Mild
* Thymus		Atrophy	Marked

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 126	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 729
	DOSE: 3 NG/KG	**DISP:** Natural Death	**HISTO:** 2002144

ORGAN AND ACCOUNTABLE SITE STATUS

* Uterus		Inflammation	Suppurative, Moderate
PRIMARY CAUSE OF DEATH	- Intestine Large, Rectum	Carcinoma	

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 127	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 95
	DOSE: 3 NG/KG	**DISP:** Scheduled Sacrifice	**HISTO:** 2002145

***** NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 128	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 264
	DOSE: 3 NG/KG	**DISP:** Moribund Sacrifice	**HISTO:** 2002146

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Bone Marrow		Hyperplasia	Moderate
Eye			
Note: Both optic nerves missing.			
* Kidney		Mineralization	Minimal
		Nephroblastoma	
[Nephroblastoma TGLS = 3-11+14]			
* Liver		Inflammation	Minimal
* Lung		Nephroblastoma	Metastatic (Kidney)
[Nephroblastoma TGLS = 6-3]			
Lymph Node	Renal	Ectasia	Moderate
	Mediastinal	Hemorrhage	Moderate
	Renal	Hyperplasia	Histiocytic, Mild
[Ectasia TGLS = 4-13]			
[Hemorrhage TGLS = 5-12]			
[Hyperplasia TGLS = 4-13]			
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Mild
* Ovary		Atrophy	Marked
* Spleen		Hematopoietic Cell Proliferation	Moderate
		Pigmentation	Minimal
[Hematopoietic Cell Proliferation TGLS = 1-5]			
* Thymus		Atrophy	Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 128	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 264
	DOSE: 3 NG/KG	**DISP:** Moribund Sacrifice	**HISTO:** 2002146

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH	- Kidney Nephroblastoma

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 129	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 492
	DOSE: 3 NG/KG	**DISP:** Moribund Sacrifice	**HISTO:** 2002147

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Esophagus	Eye	Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Minimal
* Bone Marrow		Hyperplasia	Moderate
* Clitoral Gland	Duct	Cyst	Moderate
		Inflammation	Minimal
[Cyst TGLS = 2-10]			
Eye			
Note: One optic nerve missing.			
* Kidney		Mineralization	Minimal
* Liver	Hepatocyte	Hypertrophy	Minimal
		Inflammation	Minimal
* Lung		Infiltration Cellular	Histiocyte, Mild
Lymph Node	Mediastinal	Hyperplasia	Lymphoid, Mild
[Hyperplasia TGLS = 4-13]			
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-11]			
* Ovary		Atrophy	Marked
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Minimal
* Stomach, Forestomach		Hyperkeratosis	Minimal
		Hyperplasia	Squamous, Minimal
* Thyroid Gland	C Cell	Adenoma	
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 129	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 492
	DOSE: 3 NG/KG	**DISP:** Moribund Sacrifice	**HISTO:** 2002147

ORGAN AND ACCOUNTABLE SITE STATUS

	Metaplasia	Squamous, Mild
Vagina	Hyperplasia	Stromal, Moderate
[Hyperplasia TGLS = 3-12]		

PRIMARY CAUSE OF DEATH - Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 130	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 733
	DOSE: 3 NG/KG	**DISP:** Terminal Sacrifice	**HISTO:** 2002148

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
		Hyperplasia	Moderate
		Hypertrophy	Mild
* Bone Marrow		Hyperplasia	Moderate
* Clitoral Gland	Duct	Cyst	Mild
		Inflammation	Moderate
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Minimal
		Nephropathy	Mild
* Liver	Bile Duct	Cyst	Moderate
		Inflammation	Minimal
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Mild
* Mammary Gland		Carcinoma	
		Fibroadenoma	Multiple
[Carcinoma TGLS = 1-11]			
[Fibroadenoma TGLS = 2-12]			
* Ovary		Atrophy	Marked
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Moderate
[Adenoma TGLS = 3-8]			
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 130	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 733
	DOSE: 3 NG/KG	**DISP:** Terminal Sacrifice	**HISTO:** 2002148

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus		Atrophy	Moderate
* Thyroid Gland	Bilateral, C Cell	Adenoma	
	C Cell	Hyperplasia	Moderate
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
		Metaplasia	Squamous, Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 131	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 731
	DOSE: 3 NG/KG	**DISP:** Terminal Sacrifice	**HISTO:** 2002149

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Minimal
* Clitoral Gland	Duct	Cyst	Mild
		Inflammation	Minimal
[Cyst TGLS = 1-10]			
Eye	Retina	Atrophy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Eosinophilic Focus	Multiple
		Inflammation	Minimal
		Mixed Cell Focus	
		Pigmentation	Mild
* Lung		Infiltration Cellular	Histiocyte, Minimal
Note: Left lung frozen for NTP.			
[Infiltration Cellular TGLS = 3-4]			
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Mild
* Mammary Gland		Hyperplasia	Minimal
* Ovary		Atrophy	Marked
		Cyst	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Moderate
[Adenoma TGLS = 2-8]			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 131	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 731
	DOSE: 3 NG/KG	**DISP:** Terminal Sacrifice	**HISTO:** 2002149

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Mild
* Thymus		Atrophy	Moderate
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
		Metaplasia	Squamous, Minimal

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 132	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 369
	DOSE: 3 NG/KG	**DISP:** Scheduled Sacrifice	**HISTO:** 2002150

***** NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 133	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 733
	DOSE: 3 NG/KG	**DISP:** Terminal Sacrifice	**HISTO:** 2002151

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric	* Nose
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
		Hypertrophy	Minimal
Eye	Retina	Atrophy	Moderate
Note: Both optic nerves missing.			
* Intestine Large, Colon		Parasite Metazoan	
* Intestine Large, Rectum		Parasite Metazoan	
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Eosinophilic Focus	Multiple
		Fatty Change	Focal, Minimal
	Hepatocyte	Hypertrophy	Mild
* Lung		Infiltration Cellular	Histiocyte, Mild
[Infiltration Cellular TGLS = 4-3+4]			
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Moderate
* Mammary Gland		Fibroadenoma	Multiple
Note: One fibroadenoma was very cystic.			
[Fibroadenoma TGLS = 1,2,3-11+12+13]			
* Ovary		Atrophy	Marked
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Moderate
[Adenoma TGLS = 5-8]			
* Spleen		Hematopoietic Cell Proliferation	Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 133	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 733
	DOSE: 3 NG/KG	**DISP:** Terminal Sacrifice	**HISTO:** 2002151

ORGAN AND ACCOUNTABLE SITE STATUS

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

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 134	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 731
	DOSE: 3 NG/KG	**DISP:** Terminal Sacrifice	**HISTO:** 2002152

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	Eye	* Heart	* Intestine Large, Cecum
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mesenteric	* Nose	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Trachea		

MISSING

* Thymus

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
		Degeneration	Cystic, Mild
		Hyperplasia	Moderate
* Clitoral Gland		Inflammation	Minimal
Note: One clitoral gland missing.			
* Esophagus	Muscularis	Inflammation	Moderate
Harderian Gland		Inflammation	Minimal
* Intestine Large, Colon		Parasite Metazoan	
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Basophilic Focus	Multiple
		Fatty Change	Focal, Mild
	Hepatocyte	Hypertrophy	Minimal
		Inflammation	Mild
		Mixed Cell Focus	Multiple
[Mixed Cell Focus TGLS = 3-12,4-6+7]			
* Lung		Infiltration Cellular	Histiocyte, Moderate
	Alveolar Epith	Metaplasia	Bronchiolar, Mild
Note: Left lung frozen for NTP.			
[Infiltration Cellular TGLS = 5-4]			
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 134	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 731
	DOSE: 3 NG/KG	**DISP:** Terminal Sacrifice	**HISTO:** 2002152

ORGAN AND ACCOUNTABLE SITE STATUS

* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-11]			
* Ovary		Atrophy	Marked
		Cyst	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Minimal
* Thyroid Gland	Bilateral, C Cell	Adenoma	
* Urinary Bladder		Inflammation	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate
		Metaplasia	Squamous, Mild
		Polyp Stromal	
[Hyperplasia TGLS = 2-10]			
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 135	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 369
	DOSE: 3 NG/KG	**DISP:** Scheduled Sacrifice	**HISTO:** 2002153

***** NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 136	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 94
	DOSE: 3 NG/KG	**DISP:** Scheduled Sacrifice	**HISTO:** 2002154

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
* Lung	* Pancreas	* Thymus	* Thyroid Gland
OBSERVATIONS			
* Adrenal Cortex		Hypertrophy	Minimal
* Liver		Inflammation	Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 137	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 94
	DOSE: 3 NG/KG	**DISP:** Scheduled Sacrifice	**HISTO:** 2002155

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
* Adrenal Cortex	* Lung	* Pancreas	* Thymus
* Thyroid Gland			
OBSERVATIONS			
* Liver		Inflammation	Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 138	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 94
	DOSE: 3 NG/KG	**DISP:** Scheduled Sacrifice	**HISTO:** 2002156

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
* Adrenal Cortex	* Lung	* Pancreas	* Thymus
* Thyroid Gland			
OBSERVATIONS			
* Liver		Inflammation	Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 139	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 94
	DOSE: 3 NG/KG	**DISP:** Scheduled Sacrifice	**HISTO:** 2002157

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
* Adrenal Cortex	* Lung	* Pancreas	* Thymus
* Thyroid Gland			
OBSERVATIONS			
* Liver		Inflammation	Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 140	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 94
	DOSE: 3 NG/KG	**DISP:** Scheduled Sacrifice	**HISTO:** 2002158

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
* Adrenal Cortex	* Lung	* Pancreas	* Thymus
* Thyroid Gland			
OBSERVATIONS			
* Liver		Inflammation	Minimal
		Mixed Cell Focus	
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 141	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 264
	DOSE: 3 NG/KG	**DISP:** Natural Death	**HISTO:** 2002159

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Esophagus	Eye	Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Bone Marrow		Hyperplasia	Marked
* Clitoral Gland	Duct	Cyst	Minimal
		Inflammation	Mild
* Intestine Small, Duodenum		Ulcer	Moderate
* Liver	Centrilobular	Degeneration	Mild
		Inflammation	Mild
* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 1,2,3-11+12+13]			
* Ovary		Atrophy	Marked
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Minimal
* Thymus		Atrophy	Mild
* Uterus		Metaplasia	Squamous, Mild

PRIMARY CAUSE OF DEATH	- Mammary Gland Fibroadenoma
CONTRIBUTORY CAUSE OF DEATH	- Intestine Small;Duodenum Ulcer

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 142	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 361
	DOSE: 3 NG/KG	**DISP:** Moribund Sacrifice	**HISTO:** 2002160

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Bone Marrow		Hyperplasia	Moderate
* Clitoral Gland	Duct	Cyst	Mild
Eye			
Note: Both optic nerves missing.			
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver	Hepatocyte	Hypertrophy	Minimal
		Inflammation	Minimal
		Necrosis	Moderate
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-11]			
* Ovary		Atrophy	Marked
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Minimal
* Thymus		Atrophy	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
		Metaplasia	Squamous, Mild

PRIMARY CAUSE OF DEATH - Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 143	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 95
	DOSE: 3 NG/KG	**DISP:** Scheduled Sacrifice	**HISTO:** 2002161

***** NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 144	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 733
	DOSE: 3 NG/KG	**DISP:** Terminal Sacrifice	**HISTO:** 2002162

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
		Degeneration	Cystic, Mild
		Hyperplasia	Mild
		Hypertrophy	Minimal
* Bone Marrow		Hyperplasia	Mild
* Clitoral Gland	Duct	Cyst	Mild
		Inflammation	Moderate
* Heart		Cardiomyopathy	Minimal
* Intestine Large, Rectum		Parasite Metazoan	
* Kidney	Transit Epithe	Hyperplasia	Minimal
		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Basophilic Focus	Multiple
* Lung		Infiltration Cellular	Histiocyte, Mild
	Alveolar Epith	Metaplasia	Bronchiolar, Minimal
[Infiltration Cellular TGLS = 4-3+4]			
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Mild
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 2-12]			
Oral Mucosa	Gingival	Hyperplasia	Squamous, Mild

Note: The hyperplastic oral mucosa formed a cavity next to the tooth that contained hair shafts.

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 144	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 733
	DOSE: 3 NG/KG	**DISP:** Terminal Sacrifice	**HISTO:** 2002162

ORGAN AND ACCOUNTABLE SITE STATUS

* Ovary		Atrophy	Marked
		Cyst	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Moderate
[Adenoma TGLS = 3-8]			
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Minimal
* Thyroid Gland	C Cell	Adenoma	
Tooth	Peridont Tiss	Inflammation	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate
		Metaplasia	Squamous, Minimal

Note: Tgl 1, slide 11, was a uterine cyst that appeared as a nodule at necropsy.
[Hyperplasia TGLS = 1-11]

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 145	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 733
	DOSE: 3 NG/KG	**DISP:** Terminal Sacrifice	**HISTO:** 2002163

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Esophagus	Eye	Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
		Hyperplasia	Moderate
		Hypertrophy	Mild
		Vacuolization Cytoplasmic	Minimal
* Bone Marrow		Hyperplasia	Moderate
* Clitoral Gland	Duct	Cyst	Moderate
		Inflammation	Mild
[Cyst TGLS = 3-10]			
Eye			
Note: One optic nerve missing.			
* Kidney		Mineralization	Minimal
* Liver		Eosinophilic Focus	Multiple
	Hepatocyte	Hypertrophy	Minimal
		Mixed Cell Focus	Multiple
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Fibroadenoma	Multiple
		Hyperplasia	Moderate
[Fibroadenoma TGLS = 1,2-11+12]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Minimal
* Thymus		Atrophy	Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 145	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 733
	DOSE: 3 NG/KG	**DISP:** Terminal Sacrifice	**HISTO:** 2002163

ORGAN AND ACCOUNTABLE SITE STATUS

* Urinary Bladder		Inflammation	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 146	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 213
	DOSE: 3 NG/KG	**DISP:** Scheduled Sacrifice	**HISTO:** 2002164

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
* Adrenal Cortex	* Lung	* Pancreas	* Thymus
OBSERVATIONS			
* Liver		Inflammation	Mild
		Mixed Cell Focus	
* Thyroid Gland	Follicular Cel	Hypertrophy	Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 147	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 213
	DOSE: 3 NG/KG	**DISP:** Scheduled Sacrifice	**HISTO:** 2002165

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
* Adrenal Cortex	* Lung	* Pancreas	* Thymus
* Thyroid Gland			
OBSERVATIONS			
* Liver		Inflammation	Minimal
		Mixed Cell Focus	
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 148	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 213
	DOSE: 3 NG/KG	**DISP:** Scheduled Sacrifice	**HISTO:** 2002166

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
* Adrenal Cortex	* Pancreas	* Thymus	* Thyroid Gland
OBSERVATIONS			
* Liver	Hepatocyte	Hypertrophy	Minimal
		Inflammation	Minimal
* Lung		Infiltration Cellular	Histiocyte, Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 149	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 213
	DOSE: 3 NG/KG	**DISP:** Scheduled Sacrifice	**HISTO:** 2002167

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
* Adrenal Cortex	* Lung	* Pancreas	* Thymus
* Thyroid Gland			
OBSERVATIONS			
* Liver	Hepatocyte	Hypertrophy	Minimal
		Inflammation	Minimal
		Mixed Cell Focus	Multiple
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 150	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 213
	DOSE: 3 NG/KG	**DISP:** Scheduled Sacrifice	**HISTO:** 2002168

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
* Lung	* Pancreas	* Thymus	
OBSERVATIONS			
* Adrenal Cortex		Hypertrophy	Minimal
* Liver		Inflammation	Minimal
		Mixed Cell Focus	
* Thyroid Gland	Follicular Cel	Hypertrophy	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Marked
		Inflammation	Suppurative, Mild
[Hyperplasia TGLS = 1-4]			
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 151	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 731
	DOSE: 3 NG/KG	**DISP:** Terminal Sacrifice	**HISTO:** 2002169

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
		Hypertrophy	Mild
* Adrenal Medulla		Hyperplasia	Minimal
* Bone Marrow		Hyperplasia	Moderate
Eye	Retina	Atrophy	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver	Bile Duct	Fibrosis	Mild
		Inflammation	Minimal
		Mixed Cell Focus	Multiple
* Lung		Infiltration Cellular	Histiocyte, Mild
	Alveolar Epith	Metaplasia	Bronchiolar, Mild
Note: Left lung frozen for NTP.			
[Infiltration Cellular TGLS = 2-4]			
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-11]			
* Ovary		Atrophy	Marked
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Mild
[Adenoma TGLS = 3-8]			
* Spleen		Hematopoietic Cell Proliferation	Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 151	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 731
	DOSE: 3 NG/KG	**DISP:** Terminal Sacrifice	**HISTO:** 2002169

ORGAN AND ACCOUNTABLE SITE STATUS

		Pigmentation	Mild
* Thyroid Gland	C Cell	Hyperplasia	Mild
Tooth	Peridont Tiss	Inflammation	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal
		Metaplasia	Squamous, Minimal

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 152	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 95
	DOSE: 3 NG/KG	**DISP:** Scheduled Sacrifice	**HISTO:** 2002170

***** NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 153	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 732
	DOSE: 3 NG/KG	**DISP:** Terminal Sacrifice	**HISTO:** 2002171

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Esophagus	Eye	Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
		Hyperplasia	Mild
		Hypertrophy	Mild
		Vacuolization Cytoplasmic	Minimal
* Clitoral Gland	Duct	Cyst	Mild
		Inflammation	Mild
[Cyst TGLS = 2-10]			
* Intestine Large, Rectum		Parasite Metazoan	
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Inflammation	Minimal
		Mixed Cell Focus	Multiple
* Lung		Infiltration Cellular	Histiocyte, Moderate
	Alveolar Epith	Metaplasia	Bronchiolar, Mild
[Infiltration Cellular TGLS = 4-3+4]			
* Mammary Gland		Fibroadenoma	Multiple
		Hyperplasia	Mild
[Fibroadenoma TGLS = 1,3-11+12]			
* Ovary		Atrophy	Marked
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
		Vacuolization Cytoplasmic	Mild
* Spleen		Hematopoietic Cell Proliferation	Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 153	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 732
	DOSE: 3 NG/KG	**DISP:** Terminal Sacrifice	**HISTO:** 2002171

ORGAN AND ACCOUNTABLE SITE STATUS

		Pigmentation	Mild
* Thyroid Gland	C Cell	Adenoma	
	Follicular Cel	Hyperplasia	Minimal
* Uterus		Inflammation	Chronic Active, Moderate
		Metaplasia	Squamous, Marked

Note: The uterus was lined by squamous epithelium, the lumen was dilated and contained keratin and inflammatory cells.
[Metaplasia TGLS = 5,6-10+13]

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 154	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 557
	DOSE: 3 NG/KG	**DISP:** Moribund Sacrifice	**HISTO:** 2002172

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
* Bone Marrow		Hyperplasia	Moderate
* Clitoral Gland	Duct	Cyst	Minimal
		Inflammation	Mild
Eye	Retina	Atrophy	Mild
* Kidney	Transit Epithe	Hyperplasia	Mild
* Liver		Eosinophilic Focus	Multiple
		Inflammation	Minimal
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Minimal
[Fibroadenoma TGLS = 1-11]			
* Ovary		Cyst	Moderate
[Cyst TGLS = 2-10]			
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Minimal
* Thymus		Atrophy	Mild
Tooth	Peridont Tiss	Inflammation	Minimal

PRIMARY CAUSE OF DEATH - Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 155	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 485
	DOSE: 3 NG/KG	**DISP:** Moribund Sacrifice	**HISTO:** 2002173

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Minimal
* Bone Marrow		Hyperplasia	Moderate
* Clitoral Gland		Inflammation	Mild
Eye			
Note: One optic nerve missing.			
* Kidney		Mineralization	Minimal
* Liver		Basophilic Focus	
	Hepatocyte	Hypertrophy	Minimal
* Lung		Infiltration Cellular	Histiocyte, Mild
	Alveolar Epith	Metaplasia	Bronchiolar, Moderate
[Infiltration Cellular TGLS = 4-3+4]			
[Metaplasia TGLS = 5-4]			
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Mild
* Mammary Gland		Fibroadenoma	Multiple
		Hyperplasia	Minimal
[Fibroadenoma TGLS = 1,2,3-11+12+13]			
* Ovary		Atrophy	Marked
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Minimal
* Thyroid Gland	Follicular Cel	Hypertrophy	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 155	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 485
	DOSE: 3 NG/KG	**DISP:** Moribund Sacrifice	**HISTO:** 2002173

ORGAN AND ACCOUNTABLE SITE STATUS

		Metaplasia	Squamous, Minimal
PRIMARY CAUSE OF DEATH	- Mammary Gland Fibroadenoma		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 156	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 213
	DOSE: 3 NG/KG	**DISP:** Scheduled Sacrifice	**HISTO:** 2002174

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
* Adrenal Cortex	* Pancreas	* Thyroid Gland	
OBSERVATIONS			
* Liver		Inflammation	Minimal
		Mixed Cell Focus	Multiple
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Thymus		Atrophy	Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 157	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 213
	DOSE: 3 NG/KG	**DISP:** Scheduled Sacrifice	**HISTO:** 2002175

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
* Adrenal Cortex	* Lung	* Pancreas	* Thymus
* Thyroid Gland			
OBSERVATIONS			
* Liver		Inflammation	Mild
		Mixed Cell Focus	Multiple
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 158	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 213
	DOSE: 3 NG/KG	**DISP:** Scheduled Sacrifice	**HISTO:** 2002176

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
* Adrenal Cortex	* Pancreas	* Thymus	* Thyroid Gland
OBSERVATIONS			
* Liver		Angiectasis	Mild
* Lung		Infiltration Cellular	Histiocyte, Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 159	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 213
	DOSE: 3 NG/KG	**DISP:** Scheduled Sacrifice	**HISTO:** 2002177

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
* Lung	* Pancreas	Pleura	* Thymus
OBSERVATIONS			
* Adrenal Cortex		Hypertrophy	Mild
* Liver		Hepatodiaphragmatic Nodule	
		Inflammation	Mild
		Mixed Cell Focus	Multiple
		Pigmentation	Minimal
* Thyroid Gland	Follicular Cel	Hypertrophy	Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 160	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 213
	DOSE: 3 NG/KG	**DISP:** Scheduled Sacrifice	**HISTO:** 2002178

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
* Adrenal Cortex	* Lung	* Pancreas	* Thymus
* Thyroid Gland			
OBSERVATIONS			
* Liver		Inflammation	Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 161	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 731
	DOSE: 3 NG/KG	**DISP:** Terminal Sacrifice	**HISTO:** 2002179

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Esophagus	Eye	Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric
* Nose	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Glandular	* Trachea	

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Moderate
		Degeneration	Cystic, Moderate
		Hyperplasia	Mild
		Hypertrophy	Moderate
* Bone Marrow		Hyperplasia	Moderate
* Clitoral Gland	Duct	Cyst	Minimal
		Inflammation	Minimal
* Kidney		Mineralization	Minimal
* Liver	Bile Duct	Hyperplasia	Moderate
	Oval Cell	Hyperplasia	Minimal
		Inflammation	Minimal
		Mixed Cell Focus	Multiple
* Lung		Infiltration Cellular	Histiocyte, Mild
	Alveolar Epith	Metaplasia	Bronchiolar, Minimal
Note: Left lung frozen for NTP.			
[Infiltration Cellular TGLS = 2-4]			
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Mild
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Minimal
[Fibroadenoma TGLS = 1-11]			
* Ovary		Atrophy	Marked
		Cyst	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 161	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 731
	DOSE: 3 NG/KG	**DISP:** Terminal Sacrifice	**HISTO:** 2002179

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Minimal
* Stomach, Forestomach		Hyperplasia	Squamous, Mild
* Thymus		Atrophy	Mild
* Thyroid Gland	Bilateral, C Cell	Adenoma	
	C Cell	Hyperplasia	Moderate
* Urinary Bladder		Inflammation	Mild
* Uterus	Cervix	Carcinoma	
	Endometrium	Hyperplasia	Cystic, Moderate
[Carcinoma TGLS = 3-12]			
[Hyperplasia TGLS = 4-13]			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 162	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 718
	DOSE: 3 NG/KG	**DISP:** Moribund Sacrifice	**HISTO:** 2002180

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Clitoral Gland

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Moderate
		Hyperplasia	Mild
		Hypertrophy	Minimal
		Vacuolization Cytoplasmic	Minimal
* Bone Marrow		Hyperplasia	Marked
Eye			
Note: One optic nerve missing.			
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Inflammation	Minimal
* Lung		Infiltration Cellular	Histiocyte, Mild
[Infiltration Cellular TGLS = 6-3+4]			
* Mammary Gland		Carcinoma	Multiple
		Hyperplasia	Moderate
Note: A portion of the mammary tumor was on slide 10.			
[Carcinoma TGLS = 1,2-11+12]			
* Ovary		Cyst	Mild
[Cyst TGLS = 3-10]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
* Spleen		Hematopoietic Cell Proliferation	Moderate

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 162	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 718
	DOSE: 3 NG/KG	**DISP:** Moribund Sacrifice	**HISTO:** 2002180

ORGAN AND ACCOUNTABLE SITE STATUS

		Pigmentation	Minimal
[Hematopoietic Cell Proliferation TGLS = 4-5]			
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Adenoma	
[Adenoma TGLS = 5-8]			
PRIMARY CAUSE OF DEATH	- Mammary Gland Carcinoma		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 163	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 557
	DOSE: 3 NG/KG	**DISP:** Moribund Sacrifice	**HISTO:** 2002181

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
		Hypertrophy	Mild
* Bone Marrow		Hyperplasia	Moderate
* Clitoral Gland	Duct	Cyst	Moderate
		Inflammation	Mild
[Cyst TGLS = 2-10]			
Eye			
Note: One optic nerve missing.			
* Kidney		Casts Protein	Minimal
		Mineralization	Minimal
* Liver		Eosinophilic Focus	
		Inflammation	Minimal
* Lung		Infiltration Cellular	Histiocyte, Mild
	Alveolar Epith	Metaplasia	Bronchiolar, Mild
[Infiltration Cellular TGLS = 6-3+4]			
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Mild
[Hyperplasia TGLS = 4-9]			
* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 1,3-11+12]			
Oral Mucosa	Gingival	Hyperplasia	Squamous, Minimal
* Ovary		Atrophy	Marked
* Pituitary Gland		Angiectasis	Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 163	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 557
	DOSE: 3 NG/KG	**DISP:** Moribund Sacrifice	**HISTO:** 2002181

ORGAN AND ACCOUNTABLE SITE STATUS

	Pars Distalis	Hyperplasia	Mild
[Angiectasis TGLS = 7-8]			
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Minimal
* Thymus		Atrophy	Mild
* Uterus		Inflammation	Suppurative, Minimal
		Metaplasia	Squamous, Mild
PRIMARY CAUSE OF DEATH	- Mammary Gland Fibroadenoma		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 164	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 613
	DOSE: 3 NG/KG	**DISP:** Moribund Sacrifice	**HISTO:** 2002182

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Bone Marrow	* Esophagus
Eye	Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric	* Nose
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
		Degeneration	Cystic, Mild
		Hypertrophy	Mild
* Adrenal Medulla		Hyperplasia	Mild
* Brain		Hydrocephalus	Mild
* Clitoral Gland	Duct	Cyst	Mild
		Inflammation	Minimal
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver	Bile Duct	Fibrosis	Mild
		Inflammation	Minimal
		Pigmentation	Minimal
* Lung		Infiltration Cellular	Histiocyte, Mild
	Alveolar Epith	Metaplasia	Bronchiolar, Minimal
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Moderate
* Mammary Gland		Hyperplasia	Minimal
* Ovary		Atrophy	Marked
		Cyst	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Moderate
[Adenoma TGLS = 1-8]			
* Spleen		Hematopoietic Cell Proliferation	Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 164	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 613
	DOSE: 3 NG/KG	**DISP:** Moribund Sacrifice	**HISTO:** 2002182

ORGAN AND ACCOUNTABLE SITE STATUS

		Pigmentation	Mild
Tooth	Peridont Tiss	Inflammation	Minimal
* Uterus		Metaplasia	Squamous, Mild

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 165	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 200
	DOSE: 3 NG/KG	**DISP:** Moribund Sacrifice	**HISTO:** 2002183

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Clitoral Gland	* Esophagus	Eye
Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Bone Marrow		Hyperplasia	Marked
Eye			
Note: One optic nerve missing.			
* Kidney		Nephroblastoma	
		Nephropathy	Minimal
[Nephroblastoma TGLS = 2-12]			
* Liver		Inflammation	Minimal
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
Mesentery	Artery	Inflammation	Chronic Active, Moderate
Note: Arteries in multiple organs were necrotic and inflamed.			
[Inflammation TGLS = 4-11]			
* Ovary		Atrophy	Marked
* Pancreas	Artery	Inflammation	Chronic Active, Moderate
* Spleen		Hematopoietic Cell Proliferation	Moderate
[Hematopoietic Cell Proliferation TGLS = 1-5]			

PRIMARY CAUSE OF DEATH - Kidney Nephroblastoma

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 166	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 214
	DOSE: 3 NG/KG	**DISP:** Scheduled Sacrifice	**HISTO:** 2002184

***** NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 167	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 369
	DOSE: 3 NG/KG	**DISP:** Scheduled Sacrifice	**HISTO:** 2002185

***** NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 168	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 620
	DOSE: 3 NG/KG	**DISP:** Moribund Sacrifice	**HISTO:** 2002186

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Minimal
* Bone Marrow		Hyperplasia	Moderate
* Heart		Cardiomyopathy	Minimal
* Liver		Inflammation	Minimal
* Lung		Infiltration Cellular	Histiocyte, Mild
[Infiltration Cellular TGLS = 3-3+4]			
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-11]			
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 2-12]			
* Ovary		Atrophy	Marked
* Pituitary Gland		Angiectasis	Mild
	Pars Distalis	Hyperplasia	Moderate
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Mild
* Thymus		Atrophy	Mild
Tooth	Peridont Tiss	Inflammation	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal
		Metaplasia	Squamous, Mild

PRIMARY CAUSE OF DEATH - Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 169	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 95
	DOSE: 3 NG/KG	**DISP:** Scheduled Sacrifice	**HISTO:** 2002187

***** NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 170	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 731
	DOSE: 3 NG/KG	**DISP:** Terminal Sacrifice	**HISTO:** 2002188

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Brain	* Clitoral Gland
* Esophagus	Eye	Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric	* Nose
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
		Hyperplasia	Mild
		Hypertrophy	Mild
		Vacuolization Cytoplasmic	Mild
* Adrenal Medulla		Hyperplasia	Mild
* Bone Marrow		Hyperplasia	Marked
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Hematopoietic Cell Proliferation	Minimal
		Inflammation	Minimal
		Mixed Cell Focus	
* Lung		Infiltration Cellular	Histiocyte, Mild
Note: Left lung frozen for NTP.			
[Infiltration Cellular TGLS = 3-4]			
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Mild
* Mammary Gland		Hyperplasia	Minimal
* Ovary		Atrophy	Marked
		Cyst	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Moderate
[Adenoma TGLS = 2-8]			
* Spleen		Hematopoietic Cell Proliferation	Moderate

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 170	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 731
	DOSE: 3 NG/KG	**DISP:** Terminal Sacrifice	**HISTO:** 2002188

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus		Atrophy	Mild
* Thyroid Gland	C Cell	Hyperplasia	Minimal
Tooth	Peridont Tiss	Inflammation	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal
		Polyp Stromal	
[Polyp Stromal TGLS = 1-11]			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 171	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 94
	DOSE: 3 NG/KG	**DISP:** Scheduled Sacrifice	**HISTO:** 2002189

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
* Adrenal Cortex	* Lung	* Pancreas	* Thymus
* Thyroid Gland			
OBSERVATIONS			
* Liver	Hepatocyte	Hypertrophy	Minimal
		Inflammation	Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 172	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 94
	DOSE: 3 NG/KG	**DISP:** Scheduled Sacrifice	**HISTO:** 2002190

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
* Adrenal Cortex	* Lung	* Pancreas	* Thymus
* Thyroid Gland			
OBSERVATIONS			
* Liver		Inflammation	Minimal
* Uterus		Deciduoma Benign	
[Deciduoma Benign TGLS = 1-4]			
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 173	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 94
	DOSE: 3 NG/KG	**DISP:** Scheduled Sacrifice	**HISTO:** 2002191

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
* Adrenal Cortex	* Lung	* Pancreas	* Thymus
* Thyroid Gland			
OBSERVATIONS			
* Liver		Inflammation	Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 174	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 94
	DOSE: 3 NG/KG	**DISP:** Scheduled Sacrifice	**HISTO:** 2002192

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
* Lung	* Pancreas	* Thymus	* Thyroid Gland
OBSERVATIONS			
* Adrenal Cortex		Hypertrophy	Minimal
* Liver		Inflammation	Minimal
		Mixed Cell Focus	
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 175	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 94
	DOSE: 3 NG/KG	**DISP:** Scheduled Sacrifice	**HISTO:** 2002193

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
* Adrenal Cortex	* Lung	* Pancreas	
OBSERVATIONS			
* Liver		Inflammation	Minimal
* Thymus		Atrophy	Minimal
* Thyroid Gland	Follicular Cel	Hypertrophy	Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 176	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 731
	DOSE: 3 NG/KG	**DISP:** Terminal Sacrifice	**HISTO:** 2002194

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
		Hypertrophy	Moderate
		Vacuolization Cytoplasmic	Mild
* Bone Marrow		Hyperplasia	Mild
* Clitoral Gland	Duct	Cyst	Moderate
		Inflammation	Mild
[Cyst TGLS = 3-10]			
* Kidney		Calculus Micro Observation Only	
	Transit Epithe	Hyperplasia	Minimal
		Nephropathy	Minimal
* Liver	Hepatocyte	Hypertrophy	Minimal
		Inflammation	Minimal
		Mixed Cell Focus	Multiple
		Pigmentation	Minimal
* Lung		Infiltration Cellular	Histiocyte, Mild
	Alveolar Epith	Metaplasia	Bronchiolar, Mild
Note: Left lung frozen for NTP.			
[Infiltration Cellular TGLS = 4-4]			
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Mild
* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 1,2-11+12]			
Oral Mucosa	Gingival	Squamous Cell Carcinoma	

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 176	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 731
	DOSE: 3 NG/KG	**DISP:** Terminal Sacrifice	**HISTO:** 2002194

ORGAN AND ACCOUNTABLE SITE STATUS

[Squamous Cell Carcinoma TGLS = 5-1]			
* Ovary		Atrophy	Marked
		Cyst	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Moderate
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal
Tooth	Peridont Tiss	Inflammation	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate
		Metaplasia	Squamous, Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 177	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 607
	DOSE: 3 NG/KG	**DISP:** Moribund Sacrifice	**HISTO:** 2002195

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Mild
* Bone Marrow		Hyperplasia	Mild
* Clitoral Gland	Duct	Cyst	Moderate
		Inflammation	Moderate
[Cyst TGLS = 2-10]			
Eye			
Note: One optic nerve missing.			
* Kidney		Mineralization	Minimal
* Liver		Eosinophilic Focus	
		Hepatodiaphragmatic Nodule	
		Inflammation	Minimal
[Eosinophilic Focus TGLS = 6-6]			
[Hepatodiaphragmatic Nodule TGLS = 3-7]			
* Lung		Infiltration Cellular	Histiocyte, Mild
[Infiltration Cellular TGLS = 4-3+4]			
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Mild
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-11]			
* Ovary		Atrophy	Marked
		Cyst	Mild
[Cyst TGLS = 5-10]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 177	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 607
	DOSE: 3 NG/KG	**DISP:** Moribund Sacrifice	**HISTO:** 2002195

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Mild
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Mild
Tooth	Peridont Tiss	Inflammation	Minimal

PRIMARY CAUSE OF DEATH - Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 178	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 214
	DOSE: 3 NG/KG	**DISP:** Scheduled Sacrifice	**HISTO:** 2002196

***** NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 179	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 578
	DOSE: 3 NG/KG	**DISP:** Moribund Sacrifice	**HISTO:** 2002197

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Clitoral Gland	Eye	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Lung	* Lymph Node, Mesenteric
* Nose	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Moderate
		Hypertrophy	Mild
* Bone Marrow		Hyperplasia	Marked
* Esophagus	Muscularis	Inflammation	Mild
Eye			
Note: One optic nerve missing.			
Harderian Gland		Inflammation	Mild
* Heart		Cardiomyopathy	Minimal
* Liver		Inflammation	Mild
Lymph Node	Lumbar	Ectasia	Mild
	Lumbar	Hyperplasia	Plasma Cell, Moderate
[Ectasia TGLS = 5-13]			
[Hyperplasia TGLS = 5-13]			
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Moderate
* Mammary Gland		Carcinoma	
		Fibroadenoma	
		Hyperplasia	Minimal
[Carcinoma TGLS = 1-12]			
[Fibroadenoma TGLS = 3-11]			
* Ovary		Atrophy	Marked
	Corpus Luteum	Cyst	Moderate
[Cyst TGLS = 4-10]			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 179	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 578
	DOSE: 3 NG/KG	**DISP:** Moribund Sacrifice	**HISTO:** 2002197

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Minimal
* Thymus		Atrophy	Moderate
Tooth	Peridont Tiss	Inflammation	Moderate
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal
		Metaplasia	Squamous, Mild

PRIMARY CAUSE OF DEATH - Mammary Gland Carcinoma

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 180	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 95
	DOSE: 3 NG/KG	**DISP:** Scheduled Sacrifice	**HISTO:** 2002198

***** NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 181	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 462
	DOSE: 3 NG/KG	**DISP:** Natural Death	**HISTO:** 2002199

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Esophagus
Eye	Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Adrenal Cortex		Necrosis	Moderate
Note: One adrenal was necrotic.			
Blood Vessel	Aorta	Mineralization	Mild
* Bone Marrow		Hyperplasia	Marked
* Clitoral Gland	Duct	Cyst	Moderate
		Inflammation	Mild
Eye			
Note: One optic nerve missing.			
* Heart		Cardiomyopathy	Minimal
	Artery	Mineralization	Mild
* Kidney	Transit Epithe	Hyperplasia	Minimal
		Mineralization	Moderate
* Liver		Fatty Change	Diffuse, Minimal
		Inflammation	Mild
* Lung		Alveolar/Bronchiolar Carcinoma	
		Infiltration Cellular	Histiocyte, Moderate
[Alveolar/Bronchiolar Carcinoma TGLS = 1-3+4]			
* Mammary Gland		Hyperplasia	Minimal
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Marked
* Thymus		Carcinoma	Metastatic (Lung)
* Thyroid Gland	C Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 181	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 462
	DOSE: 3 NG/KG	**DISP:** Natural Death	**HISTO:** 2002199

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH	- Lung Alveolar/Bronchiolar Carcinoma

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 182	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 604
	DOSE: 3 NG/KG	**DISP:** Moribund Sacrifice	**HISTO:** 2002200

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Thymus

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
		Hyperplasia	Mild
		Hypertrophy	Mild
* Clitoral Gland	Duct	Cyst	Mild
Eye			
Note: Both optic nerves missing.			
* Kidney		Mineralization	Minimal
* Liver		Basophilic Focus	
	Hepatocyte	Hypertrophy	Minimal
		Inflammation	Minimal
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Mild
* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 1,2-11+12]			
* Ovary		Atrophy	Marked
		Cyst	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Moderate
[Adenoma TGLS = 3-8]			
* Spleen		Hematopoietic Cell Proliferation	Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 182	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 604
	DOSE: 3 NG/KG	**DISP:** Moribund Sacrifice	**HISTO:** 2002200

ORGAN AND ACCOUNTABLE SITE STATUS

		Pigmentation	Mild
* Thyroid Gland	C Cell	Adenoma	
	C Cell	Carcinoma	
[Adenoma TGLS = 4-8]			
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
		Metaplasia	Squamous, Mild

PRIMARY CAUSE OF DEATH	- Mammary Gland Fibroadenoma
CONTRIBUTORY CAUSE OF DEATH	- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 183	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 604
	DOSE: 3 NG/KG	**DISP:** Moribund Sacrifice	**HISTO:** 2002201

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Minimal
* Clitoral Gland	Duct	Cyst	Moderate
		Inflammation	Mild
* Kidney		Mineralization	Minimal
* Liver		Basophilic Focus	Multiple
		Fatty Change	Focal, Minimal
		Inflammation	Minimal
		Pigmentation	Minimal
* Lung		Infiltration Cellular	Histiocyte, Mild
[Infiltration Cellular TGLS = 3-3+4]			
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Mild
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Minimal
[Fibroadenoma TGLS = 1-11]			
* Ovary		Atrophy	Marked
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Moderate
[Adenoma TGLS = 2-8]			
* Spleen		Pigmentation	Mild
* Thymus		Atrophy	Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 183	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 604
	DOSE: 3 NG/KG	**DISP:** Moribund Sacrifice	**HISTO:** 2002201

ORGAN AND ACCOUNTABLE SITE STATUS

* Uterus	Endometrium	Hyperplasia	Cystic, Mild
PRIMARY CAUSE OF DEATH	- Mammary Gland Fibroadenoma		
CONTRIBUTORY CAUSE OF DEATH	- Pituitary Gland Pars Distalis Adenoma		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 184	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 556
	DOSE: 3 NG/KG	**DISP:** Natural Death	**HISTO:** 2002202

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Esophagus	Eye	Harderian Gland
* Heart	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Nose	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea		

MISSING

* Clitoral Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Small, Ileum
* Lymph Node, Mesenteric	* Ovary	* Urinary Bladder	* Uterus

OBSERVATIONS

* Bone Marrow		Hyperplasia	Marked
Eye			
Note: One eye missing except for lens.			
* Kidney		Mineralization	Minimal
* Liver	Hepatocyte	Hypertrophy	Minimal
		Inflammation	Minimal
		Necrosis	Moderate
		Pigmentation	Mild
[Necrosis TGLS = 2-6+7]			
* Lung		Infiltration Cellular	Histiocyte, Mild
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Mild
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-11]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thymus		Atrophy	Moderate

PRIMARY CAUSE OF DEATH	- Liver Necrosis
CONTRIBUTORY CAUSE OF DEATH	- Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 185	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 95
	DOSE: 3 NG/KG	**DISP:** Scheduled Sacrifice	**HISTO:** 2002203

***** NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 186	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 214
	DOSE: 3 NG/KG	**DISP:** Scheduled Sacrifice	**HISTO:** 2002204

***** NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 187	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 368
	DOSE: 3 NG/KG	**DISP:** Scheduled Sacrifice	**HISTO:** 2002205

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
* Adrenal Cortex	* Lung	* Pancreas	* Thymus
* Thyroid Gland			
OBSERVATIONS			
* Liver	Hepatocyte	Hypertrophy	Minimal
		Inflammation	Minimal
		Mixed Cell Focus	Multiple
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 188	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 368
	DOSE: 3 NG/KG	**DISP:** Scheduled Sacrifice	**HISTO:** 2002206

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
* Lung	* Pancreas		
OBSERVATIONS			
* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Liver	Hepatocyte	Hypertrophy	Minimal
		Inflammation	Minimal
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-6]			
* Thymus		Atrophy	Mild
* Thyroid Gland	Follicular Cel	Hypertrophy	Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 189	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 368
	DOSE: 3 NG/KG	**DISP:** Scheduled Sacrifice	**HISTO:** 2002207

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
* Adrenal Cortex	* Lung	Lymph Node	* Pancreas
* Thymus	* Thyroid Gland		
OBSERVATIONS			
* Liver		Inflammation	Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 190	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 214
	DOSE: 3 NG/KG	**DISP:** Scheduled Sacrifice	**HISTO:** 2002208

***** NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 191	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 368
	DOSE: 3 NG/KG	**DISP:** Scheduled Sacrifice	**HISTO:** 2002209

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
* Lung	* Pancreas	* Thymus	* Thyroid Gland
OBSERVATIONS			
* Adrenal Cortex		Degeneration	Cystic, Minimal
		Hypertrophy	Moderate
* Liver		Basophilic Focus	Multiple
	Hepatocyte	Hypertrophy	Minimal
		Inflammation	Minimal
		Mixed Cell Focus	Multiple
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-6]			
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 192	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 368
	DOSE: 3 NG/KG	**DISP:** Scheduled Sacrifice	**HISTO:** 2002210

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
* Pancreas	* Thyroid Gland		
OBSERVATIONS			
* Adrenal Cortex		Hypertrophy	Mild
* Kidney		Cyst	Mild
Note: Two cysts were present in the kidney.			
[Cyst TGLS = 1-6]			
* Liver		Inflammation	Minimal
		Mixed Cell Focus	Multiple
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Thymus		Atrophy	Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 193	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 368
	DOSE: 3 NG/KG	**DISP:** Scheduled Sacrifice	**HISTO:** 2002211

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
* Adrenal Cortex	* Lung	* Pancreas	* Thymus
* Thyroid Gland			
OBSERVATIONS			
* Liver		Inflammation	Minimal
		Mixed Cell Focus	
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 194	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 368
	DOSE: 3 NG/KG	**DISP:** Scheduled Sacrifice	**HISTO:** 2002212

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
* Lung	* Pancreas	* Thymus	* Thyroid Gland
OBSERVATIONS			
* Adrenal Cortex		Hypertrophy	Minimal
* Kidney	Pelvis	Dilatation	Moderate
		Inflammation	Chronic Active, Mild
[Dilatation TGLS = 1-6]			
* Liver		Inflammation	Minimal
		Mixed Cell Focus	Multiple
Ureter	Transit Epithe	Hyperplasia	Moderate
Note: The calculi in the ureters were lost in processing.			
[Hyperplasia TGLS = 2-7]			
* Urinary Bladder	Transit Epithe	Hyperplasia	Mild
		Inflammation	Mild
Note: The calculi from the urinary bladder were lost in processing.			
[Hyperplasia TGLS = 3-8]			
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 195	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 368
	DOSE: 3 NG/KG	**DISP:** Scheduled Sacrifice	**HISTO:** 2002213

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
* Adrenal Cortex	* Lung	* Pancreas	* Thymus
* Thyroid Gland			
OBSERVATIONS			
* Liver	Hepatocyte	Hypertrophy	Minimal
		Inflammation	Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 196	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 214
	DOSE: 3 NG/KG	**DISP:** Scheduled Sacrifice	**HISTO:** 2002214

***** NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 197	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 733
	DOSE: 3 NG/KG	**DISP:** Terminal Sacrifice	**HISTO:** 2002215

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Marked
* Bone Marrow		Hyperplasia	Moderate
* Clitoral Gland	Duct	Cyst	Mild
		Inflammation	Mild
Eye			
Note: One optic nerve missing.			
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Fatty Change	Focal, Minimal
		Hematopoietic Cell Proliferation	Minimal
		Inflammation	Minimal
		Mixed Cell Focus	
[Mixed Cell Focus TGLS = 2-11]			
* Lung		Inflammation	Granulomatous, Mild
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Mild
* Mammary Gland		Hyperplasia	Minimal
* Ovary		Atrophy	Marked
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Minimal
[Adenoma TGLS = 1-8]			
* Spleen		Hematopoietic Cell Proliferation	Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 197	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 733
	DOSE: 3 NG/KG	**DISP:** Terminal Sacrifice	**HISTO:** 2002215

ORGAN AND ACCOUNTABLE SITE STATUS

		Pigmentation	Mild
* Thymus		Atrophy	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
		Polyp Stromal	

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 198	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 731
	DOSE: 3 NG/KG	**DISP:** Terminal Sacrifice	**HISTO:** 2002216

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Brain	* Esophagus
Eye	Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mesenteric
* Nose	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
		Degeneration	Cystic, Minimal
		Hyperplasia	Mild
		Hypertrophy	Mild
* Adrenal Medulla		Hyperplasia	Mild
* Bone Marrow		Hyperplasia	Moderate
* Clitoral Gland	Duct	Cyst	Mild
		Inflammation	Minimal
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Inflammation	Minimal
		Mixed Cell Focus	Multiple
[Mixed Cell Focus TGLS = 3-11]			
* Lung			
Note: Left lung frozen for NTP.			
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Mild
* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 1,2-13+14]			
* Ovary		Atrophy	Marked
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Spleen		Hematopoietic Cell Proliferation	Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 198	**TRT#:** 2	**SEX:** Female	**DAY ON TEST:** 731
	DOSE: 3 NG/KG	**DISP:** Terminal Sacrifice	**HISTO:** 2002216

ORGAN AND ACCOUNTABLE SITE STATUS

		Pigmentation	Minimal
* Thymus		Atrophy	Moderate
* Uterus		Carcinoma	
	Endometrium	Hyperplasia	Cystic, Mild
		Inflammation	Suppurative, Moderate
		Metaplasia	Squamous, Mild
[Carcinoma TGLS = 4-12]			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 201	**TRT#:** 3	**SEX:** Female	**DAY ON TEST:** 578
	DOSE: 10 NG/KG	**DISP:** Moribund Sacrifice	**HISTO:** 2002217

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
		Hypertrophy	Mild
		Vacuolization Cytoplasmic	Minimal
* Bone Marrow		Hyperplasia	Moderate
* Clitoral Gland	Duct	Cyst	Mild
		Inflammation	Minimal
Eye			
Note: Both optic nerves missing.			
* Kidney		Nephropathy	Minimal
* Liver		Eosinophilic Focus	
		Fatty Change	Diffuse, Minimal
	Oval Cell	Hyperplasia	Minimal
	Hepatocyte	Hypertrophy	Minimal
		Inflammation	Minimal
		Mixed Cell Focus	Multiple
		Toxic Hepatopathy	Minimal
Lymph Node	Lumbar	Ectasia	Moderate
[Ectasia TGLS = 4-13]			
* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 1,2-11+12]			
Oral Mucosa	Gingival	Hyperplasia	Squamous, Minimal
* Ovary		Atrophy	Marked

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 201	**TRT#:** 3	**SEX:** Female	**DAY ON TEST:** 578
	DOSE: 10 NG/KG	**DISP:** Moribund Sacrifice	**HISTO:** 2002217

ORGAN AND ACCOUNTABLE SITE STATUS

		Cyst	Moderate
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Minimal
* Thymus		Atrophy	Marked
* Uterus		Inflammation	Suppurative, Moderate
		Metaplasia	Squamous, Marked

Note: The lumen of uterus was lined with squamous epithelium and filled with keratin and inflammatory cells.
[Inflammation TGLS = 3-10]
[Metaplasia TGLS = 3-10]

PRIMARY CAUSE OF DEATH - Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 202	**TRT#:** 3	**SEX:** Female	**DAY ON TEST:** 733
	DOSE: 10 NG/KG	**DISP:** Terminal Sacrifice	**HISTO:** 2002218

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Esophagus	Eye	Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lymph Node, Mesenteric
* Nose	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
		Hypertrophy	Mild
* Clitoral Gland	Duct	Cyst	Mild
		Inflammation	Mild
* Islets, Pancreatic		Adenoma	
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Basophilic Focus	Multiple
		Eosinophilic Focus	Multiple
		Fatty Change	Diffuse, Minimal
		Inflammation	Minimal
		Mixed Cell Focus	Multiple
	Hepatocyte	Multinucleated	Minimal
		Pigmentation	Minimal
		Toxic Hepatopathy	Minimal
[Mixed Cell Focus TGLS = 3-6+7+11]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Moderate
* Mammary Gland		Fibroadenoma	Multiple
		Hyperplasia	Minimal
[Fibroadenoma TGLS = 1,2-12+13]			
Oral Mucosa	Gingival	Hyperplasia	Squamous, Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 202	**TRT#:** 3	**SEX:** Female	**DAY ON TEST:** 733
	DOSE: 10 NG/KG	**DISP:** Terminal Sacrifice	**HISTO:** 2002218

ORGAN AND ACCOUNTABLE SITE STATUS

Note: The hyperplastic oral mucosa formed a cavity adjacent to the tooth that contained hair shafts.

* Ovary		Atrophy	Marked
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Minimal
* Thymus		Atrophy	Marked
Tooth	Peridont Tiss	Inflammation	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
		Metaplasia	Squamous, Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 203	**TRT#:** 3	**SEX:** Female	**DAY ON TEST:** 731
	DOSE: 10 NG/KG	**DISP:** Terminal Sacrifice	**HISTO:** 2002219

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Esophagus
Eye	Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Glandular
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Atrophy	Minimal
		Degeneration	Cystic, Moderate
		Hyperplasia	Mild
		Hypertrophy	Moderate
Note: One adrenal was minimally atrophic.			
* Adrenal Medulla		Hyperplasia	Minimal
Blood Vessel		Thrombosis	Marked
Note: TGL 4 was a thrombus near the kidney possibly of the renal artery.			
[Thrombosis TGLS = 4-12]			
* Clitoral Gland	Duct	Cyst	Moderate
		Inflammation	Mild
[Cyst TGLS = 2-10]			
* Heart		Cardiomyopathy	Minimal
* Kidney	Transit Epithe	Hyperplasia	Mild
		Infarct	Moderate
		Nephropathy	Mild
* Liver		Eosinophilic Focus	Multiple
		Fatty Change	Diffuse, Minimal
	Hepatocyte	Hypertrophy	Minimal
		Inflammation	Minimal
	Hepatocyte	Multinucleated	Minimal
		Pigmentation	Minimal
* Lung		Infiltration Cellular	Histiocyte, Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 203	**TRT#:** 3	**SEX:** Female	**DAY ON TEST:** 731
	DOSE: 10 NG/KG	**DISP:** Terminal Sacrifice	**HISTO:** 2002219

ORGAN AND ACCOUNTABLE SITE STATUS

	Alveolar Epith	Metaplasia	Bronchiolar, Minimal
Note: Left lung frozen for NTP.			
[Metaplasia TGLS = 6-4]			
* Mammary Gland		Fibroadenoma	Multiple
		Hyperplasia	Minimal
[Fibroadenoma TGLS = 1,5-11+13]			
* Ovary		Atrophy	Marked
* Pancreas	Artery	Inflammation	Chronic Active, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Hyperplasia	Mild
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Minimal
* Stomach, Forestomach		Hyperplasia	Squamous, Mild
* Thymus		Atrophy	Moderate
[Atrophy TGLS = 3-3]			
* Thyroid Gland	C Cell	Hyperplasia	Moderate
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal
		Metaplasia	Squamous, Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 204	**TRT#:** 3	**SEX:** Female	**DAY ON TEST:** 645
	DOSE: 10 NG/KG	**DISP:** Moribund Sacrifice	**HISTO:** 2002220

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Esophagus	Eye	Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
		Degeneration	Cystic, Moderate
		Hypertrophy	Moderate
		Vacuolization Cytoplasmic	Minimal
* Bone Marrow		Hyperplasia	Marked
* Clitoral Gland	Duct	Cyst	Mild
[Cyst TGLS = 3-10]			
* Kidney		Mineralization	Minimal
* Liver		Eosinophilic Focus	Multiple
	Hepatocyte	Hypertrophy	Minimal
		Inflammation	Minimal
[Eosinophilic Focus TGLS = 4,5,6-6+7+12]			
* Lung		Infiltration Cellular	Histiocyte, Mild
	Alveolar Epith	Metaplasia	Bronchiolar, Mild
[Infiltration Cellular TGLS = 2-3+4]			
* Mammary Gland		Hyperplasia	Minimal
* Ovary		Atrophy	Marked
* Skin		Fibroma	
[Fibroma TGLS = 1-11]			
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Minimal
* Thymus		Atrophy	Moderate

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 204	**TRT#:** 3	**SEX:** Female	**DAY ON TEST:** 645
	DOSE: 10 NG/KG	**DISP:** Moribund Sacrifice	**HISTO:** 2002220

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
		Metaplasia	Squamous, Mild
PRIMARY CAUSE OF DEATH	- Skin Fibroma		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 205	**TRT#:** 3	**SEX:** Female	**DAY ON TEST:** 47
	DOSE: 10 NG/KG	**DISP:** Dosing Accident	**HISTO:** 2002221

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Clitoral Gland	Eye	Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Bone Marrow		Hyperplasia	Moderate
* Esophagus	Periesoph Tiss	Inflammation	Mild
		Perforation	
Note: There was inflammation around the esophagus and the wall was not complete suggesting a perforation had occurred.			
[Perforation TGLS = 1-3]			
Eye			
Note: Both optic nerves missing.			
* Kidney		Mineralization	Minimal
* Liver		Inflammation	Minimal
		Necrosis	Mild
* Lung		Congestion	Mild
[Congestion TGLS = 2-3+4]			
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
[Hyperplasia TGLS = 4-9]			
* Spleen	Lymph Follic	Atrophy	Mild
		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Mild
* Thymus		Atrophy	Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 206	**TRT#:** 3	**SEX:** Female	**DAY ON TEST:** 368
	DOSE: 10 NG/KG	**DISP:** Scheduled Sacrifice	**HISTO:** 2002222

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
* Lung	* Pancreas	* Thymus	* Thyroid Gland
OBSERVATIONS			
* Adrenal Cortex		Degeneration	Cystic, Mild
		Hypertrophy	Mild
* Liver	Hepatocyte	Hypertrophy	Minimal
		Inflammation	Minimal
		Pigmentation	Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 207	**TRT#:** 3	**SEX:** Female	**DAY ON TEST:** 368
	DOSE: 10 NG/KG	**DISP:** Scheduled Sacrifice	**HISTO:** 2002223

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
* Lung	* Pancreas	* Thymus	
OBSERVATIONS			
* Adrenal Cortex		Hypertrophy	Minimal
* Liver	Hepatocyte	Hypertrophy	Minimal
		Inflammation	Minimal
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-6]			
* Thyroid Gland	Follicular Cel	Hypertrophy	Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 208	**TRT#:** 3	**SEX:** Female	**DAY ON TEST:** 368
	DOSE: 10 NG/KG	**DISP:** Scheduled Sacrifice	**HISTO:** 2002224

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
* Adrenal Cortex	* Pancreas	* Thyroid Gland	
OBSERVATIONS			
* Liver	Hepatocyte	Hypertrophy	Minimal
		Inflammation	Minimal
		Pigmentation	Minimal
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Thymus		Atrophy	Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 209	**TRT#:** 3	**SEX:** Female	**DAY ON TEST:** 368
	DOSE: 10 NG/KG	**DISP:** Scheduled Sacrifice	**HISTO:** 2002225

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
* Adrenal Cortex	* Lung	* Pancreas	
OBSERVATIONS			
* Liver		Basophilic Focus	
	Hepatocyte	Hypertrophy	Minimal
		Inflammation	Minimal
* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 1,2-6,7]			
* Thymus		Atrophy	Mild
* Thyroid Gland	Follicular Cel	Hypertrophy	Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 210	**TRT#:** 3	**SEX:** Female	**DAY ON TEST:** 368
	DOSE: 10 NG/KG	**DISP:** Scheduled Sacrifice	**HISTO:** 2002226

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
* Adrenal Cortex	* Lung	* Pancreas	* Thymus
* Thyroid Gland			
OBSERVATIONS			
* Liver		Inflammation	Minimal
		Pigmentation	Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 211	**TRT#:** 3	**SEX:** Female	**DAY ON TEST:** 650
	DOSE: 10 NG/KG	**DISP:** Natural Death	**HISTO:** 2002227

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Esophagus	Eye	Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Kidney
* Lymph Node, Mesenteric	* Nose	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Mild
* Clitoral Gland	Duct	Cyst	Mild
* Islets, Pancreatic		Hyperplasia	Marked
* Liver		Eosinophilic Focus	
		Inflammation	Minimal
	Hepatocyte	Multinucleated	Mild
		Pigmentation	Mild
* Lung		Infiltration Cellular	Histiocyte, Mild
	Alveolar Epith	Metaplasia	Bronchiolar, Minimal
[Infiltration Cellular TGLS = 3-3+4]			
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Mild
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-11]			
* Ovary		Atrophy	Marked
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-8]			
* Spleen		Pigmentation	Mild

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 212	**TRT#:** 3	**SEX:** Female	**DAY ON TEST:** 733
	DOSE: 10 NG/KG	**DISP:** Terminal Sacrifice	**HISTO:** 2002228

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Brain	* Esophagus
Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lymph Node, Mesenteric
* Nose	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Moderate
		Hyperplasia	Moderate
		Hypertrophy	Mild
[Hyperplasia TGLS = 2-8]			
* Adrenal Medulla		Hyperplasia	Mild
* Bone Marrow		Hyperplasia	Mild
* Clitoral Gland	Duct	Cyst	Moderate
		Inflammation	Mild
Eye	Retina	Atrophy	Mild
Note: One optic nerve missing.			
* Heart		Cardiomyopathy	Minimal
* Islets, Pancreatic		Adenoma	
* Kidney	Transit Epithe	Hyperplasia	Mild
		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Angiectasis	Minimal
		Cholangiofibrosis	Mild
		Eosinophilic Focus	Multiple
		Inflammation	Minimal
		Mixed Cell Focus	Multiple
		Pigmentation	Mild
		Toxic Hepatopathy	Minimal
[Eosinophilic Focus TGLS = 3-12]			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 212	**TRT#:** 3	**SEX:** Female	**DAY ON TEST:** 733
	DOSE: 10 NG/KG	**DISP:** Terminal Sacrifice	**HISTO:** 2002228

ORGAN AND ACCOUNTABLE SITE STATUS

* Lung		Infiltration Cellular	Histiocyte, Mild
	Alveolar Epith	Metaplasia	Bronchiolar, Mild
[Infiltration Cellular TGLS = 4-3+4]			
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Mild
* Mammary Gland		Adenoma	
		Inflammation	Granulomatous, Mild
[Adenoma TGLS = 6-12]			
Oral Mucosa	Gingival	Hyperplasia	Squamous, Mild
Note: The hyperplastic oral mucosa contained a hair shaft.			
* Ovary		Atrophy	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 5-8]			
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Mild
* Thymus		Atrophy	Mild
* Thyroid Gland	C Cell	Hyperplasia	Mild
Tooth	Peridont Tiss	Inflammation	Minimal
* Uterus	Cervix	Hyperplasia	Stromal, Marked
	Endometrium	Hyperplasia	Cystic, Mild
		Metaplasia	Squamous, Mild
[Hyperplasia TGLS = 1-11]			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 213	**TRT#:** 3	**SEX:** Female	**DAY ON TEST:** 731
	DOSE: 10 NG/KG	**DISP:** Terminal Sacrifice	**HISTO:** 2002229

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Brain	* Esophagus
Eye	Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric	* Nose
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Minimal
		Hypertrophy	Moderate
		Necrosis	Minimal
* Adrenal Medulla		Angiectasis	Mild
		Pheochromocytoma Benign	
* Bone Marrow		Hyperplasia	Marked
* Clitoral Gland	Duct	Cyst	Minimal
		Inflammation	Minimal
Eye			
Note: One optic nerve missing.			
* Kidney	Transit Epithe	Hyperplasia	Mild
	Pelvis	Inflammation	Mild
		Mineralization	Minimal
* Liver		Inflammation	Minimal
		Mixed Cell Focus	Multiple
		Pigmentation	Minimal
* Lung		Infiltration Cellular	Histiocyte, Minimal
Note: Left lung frozen for NTP.			
[Infiltration Cellular TGLS = 2-4]			
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Mild
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Minimal
[Fibroadenoma TGLS = 1-11]			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 213	**TRT#:** 3	**SEX:** Female	**DAY ON TEST:** 731
	DOSE: 10 NG/KG	**DISP:** Terminal Sacrifice	**HISTO:** 2002229

ORGAN AND ACCOUNTABLE SITE STATUS

* Ovary		Atrophy	Marked
		Cyst	Mild
[Cyst TGLS = 4-10]			
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Minimal
* Thymus		Atrophy	Moderate
* Urinary Bladder	Transit Epithe	Hyperplasia	Mild
		Inflammation	Moderate
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
		Inflammation	Suppurative, Marked
		Metaplasia	Squamous, Mild

PRIMARY CAUSE OF DEATH -

Animal Note: TGL 3 = NO CORRELATION

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 214	**TRT#:** 3	**SEX:** Female	**DAY ON TEST:** 369
	DOSE: 10 NG/KG	**DISP:** Scheduled Sacrifice	**HISTO:** 2002230

***** NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 215	**TRT#:** 3	**SEX:** Female	**DAY ON TEST:** 733
	DOSE: 10 NG/KG	**DISP:** Terminal Sacrifice	**HISTO:** 2002231

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
		Hyperplasia	Moderate
		Hypertrophy	Mild
* Clitoral Gland	Duct	Cyst	Minimal
		Inflammation	Minimal
Eye			
Note: One optic nerve missing.			
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Eosinophilic Focus	
		Fatty Change	Focal, Minimal
	Hepatocyte	Hypertrophy	Mild
		Inflammation	Minimal
		Mixed Cell Focus	Multiple
		Pigmentation	Minimal
		Toxic Hepatopathy	Minimal
* Lung		Infiltration Cellular	Histiocyte, Minimal
	Alveolar Epith	Metaplasia	Bronchiolar, Minimal
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Mild
* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 1,2,3-11+12+13]			
* Ovary		Atrophy	Marked

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 215	**TRT#:** 3	**SEX:** Female	**DAY ON TEST:** 733
	DOSE: 10 NG/KG	**DISP:** Terminal Sacrifice	**HISTO:** 2002231

ORGAN AND ACCOUNTABLE SITE STATUS

Oviduct		Inflammation	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Mild
	Pars Distalis	Hyperplasia	Mild
[Adenoma TGLS = 5-8]			
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Minimal
* Thymus		Atrophy	Mild
* Thyroid Gland	C Cell	Hyperplasia	Mild
* Uterus		Inflammation	Suppurative, Mild
		Metaplasia	Squamous, Moderate

Note: One uterine horn was lined with squamous epithelium, the lumen was dilated and contained keratin and inflammatory cells.
[Metaplasia TGLS = 4-10]

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 216	**TRT#:** 3	**SEX:** Female	**DAY ON TEST:** 731
	DOSE: 10 NG/KG	**DISP:** Terminal Sacrifice	**HISTO:** 2002232

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Brain	* Clitoral Gland
* Esophagus	Eye	Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Mild
		Vacuolization Cytoplasmic	Minimal
* Adrenal Medulla		Hyperplasia	Minimal
* Bone Marrow		Hyperplasia	Moderate
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver	Hepatocyte	Hypertrophy	Minimal
		Inflammation	Minimal
		Mixed Cell Focus	Multiple
		Pigmentation	Minimal
* Lung			
Note: Left lung frozen for NTP.			
* Mammary Gland		Fibroadenoma	Multiple
		Hyperplasia	Mild
[Fibroadenoma TGLS = 1,2,3,4-11+12+13+14]			
* Ovary		Atrophy	Marked
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Moderate
[Adenoma TGLS = 5-8]			
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Mild
* Thymus		Atrophy	Moderate

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 216	**TRT#:** 3	**SEX:** Female	**DAY ON TEST:** 731
	DOSE: 10 NG/KG	**DISP:** Terminal Sacrifice	**HISTO:** 2002232

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland	C Cell	Adenoma	
		Angiectasis	Minimal
	Follicular Cel	Hypertrophy	Moderate
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 217	**TRT#:** 3	**SEX:** Female	**DAY ON TEST:** 676
	DOSE: 10 NG/KG	**DISP:** Natural Death	**HISTO:** 2002233

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Esophagus	Eye	Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric	* Nose
* Pancreas	* Parathyroid Gland	* Skin	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mandibular	* Salivary Glands

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
		Degeneration	Cystic, Minimal
		Hypertrophy	Mild
* Bone Marrow		Hyperplasia	Mild
* Clitoral Gland	Duct	Cyst	Mild
		Inflammation	Minimal
Eye			
Note: Both optic nerves missing.			
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Minimal
* Liver		Basophilic Focus	Multiple
		Eosinophilic Focus	Multiple
	Bile Duct	Hyperplasia	Minimal
	Oval Cell	Hyperplasia	Minimal
	Hepatocyte	Hypertrophy	Minimal
		Inflammation	Minimal
		Mixed Cell Focus	
	Hepatocyte	Multinucleated	Minimal
		Pigmentation	Minimal
		Toxic Hepatopathy	Minimal

[Eosinophilic Focus TGLS = 4-6+7+11]

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 217	**TRT#:** 3	**SEX:** Female	**DAY ON TEST:** 676
	DOSE: 10 NG/KG	**DISP:** Natural Death	**HISTO:** 2002233

ORGAN AND ACCOUNTABLE SITE STATUS

* Lung		Infiltration Cellular	Histiocyte, Mild
[Infiltration Cellular TGLS = 6-3+4]			
* Mammary Gland		Fibroadenoma	Multiple
		Hyperplasia	Minimal
[Fibroadenoma TGLS = 1,2,3-12+13+14]			
* Ovary		Atrophy	Marked
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Moderate
[Adenoma TGLS = 7-8]			
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Mild
* Stomach, Forestomach		Mineralization	Mild
* Thyroid Gland	C Cell	Adenoma	
[Adenoma TGLS = 5-8]			
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
		Metaplasia	Squamous, Minimal

PRIMARY CAUSE OF DEATH	- Mammary Gland Fibroadenoma
CONTRIBUTORY CAUSE OF DEATH	- Pituitary Gland Angiectasis

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 218	**TRT#:** 3	**SEX:** Female	**DAY ON TEST:** 728
	DOSE: 10 NG/KG	**DISP:** Natural Death	**HISTO:** 2002234

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Mild
		Hyperplasia	Mild
		Hypertrophy	Moderate
		Vacuolization Cytoplasmic	Moderate
* Bone Marrow		Hyperplasia	Moderate
Eye			
Note: Both optic nerves missing.			
* Kidney		Mineralization	Minimal
* Liver	Bile Duct	Cyst	Mild
		Eosinophilic Focus	
		Fatty Change	Focal, Moderate
		Hematopoietic Cell Proliferation	Minimal
	Hepatocyte	Hypertrophy	Minimal
		Mixed Cell Focus	
		Necrosis	Minimal
		Pigmentation	Minimal
		Toxic Hepatopathy	Mild
[Mixed Cell Focus TGLS = 6-13]			
* Lung		Infiltration Cellular	Histiocyte, Moderate
	Alveolar Epith	Metaplasia	Bronchiolar, Minimal
[Metaplasia TGLS = 4-3+4]			
Lymph Node	Mediastinal	Hyperplasia	Histiocytic, Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 218	**TRT#:** 3	**SEX:** Female	**DAY ON TEST:** 728
	DOSE: 10 NG/KG	**DISP:** Natural Death	**HISTO:** 2002234

ORGAN AND ACCOUNTABLE SITE STATUS

	Mediastinal	Pigmentation	Mild
[Hyperplasia TGLS = 5-3]			
[Pigmentation TGLS = 5-3]			
* Mammary Gland		Carcinoma	
		Fibroadenoma	
		Hyperplasia	Moderate
[Carcinoma TGLS = 2-12]			
[Fibroadenoma TGLS = 1-11]			
Oral Mucosa	Gingival	Hyperplasia	Squamous, Minimal
* Ovary		Atrophy	Marked
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Mild
[Adenoma TGLS = 3-8]			
* Spleen		Hematopoietic Cell Proliferation	Moderate
		Pigmentation	Minimal
* Thymus		Atrophy	Mild
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH	- Mammary Gland	Carcinoma
CONTRIBUTORY CAUSE OF DEATH	- Mammary Gland	Fibroadenoma;Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 219	**TRT#:** 3	**SEX:** Female	**DAY ON TEST:** 214
	DOSE: 10 NG/KG	**DISP:** Scheduled Sacrifice	**HISTO:** 2002235

***** NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 220	**TRT#:** 3	**SEX:** Female	**DAY ON TEST:** 177
	DOSE: 10 NG/KG	**DISP:** Dosing Accident	**HISTO:** 2002236

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Esophagus	Eye	Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Kidney	* Lung	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Bone Marrow		Hyperplasia	Moderate
* Clitoral Gland	Duct	Cyst	Mild
		Inflammation	Minimal
Eye			
Note: One optic nerve missing.			
* Liver		Inflammation	Minimal
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Mild
* Ovary		Atrophy	Marked
* Spleen		Pigmentation	Mild
* Thyroid Gland	C Cell	Hyperplasia	Moderate
* Uterus		Metaplasia	Squamous, Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 221	**TRT#:** 3	**SEX:** Female	**DAY ON TEST:** 731
	DOSE: 10 NG/KG	**DISP:** Terminal Sacrifice	**HISTO:** 2002237

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Adenoma	
		Angiectasis	Mild
		Hyperplasia	Moderate
		Hypertrophy	Minimal
Eye	Retina	Atrophy	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Basophilic Focus	
	Hepatocyte	Hypertrophy	Minimal
		Inflammation	Minimal
		Mixed Cell Focus	Multiple
		Pigmentation	Minimal
[Mixed Cell Focus TGLS = 2-6+7]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
	Alveolar Epith	Metaplasia	Bronchiolar, Minimal
Note: Left lung frozen for NTP.			
[Metaplasia TGLS = 3-4]			
* Mammary Gland		Fibroadenoma	Multiple
		Hyperplasia	Mild
[Fibroadenoma TGLS = 1-11]			
* Ovary		Atrophy	Marked

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 221	**TRT#:** 3	**SEX:** Female	**DAY ON TEST:** 731
	DOSE: 10 NG/KG	**DISP:** Terminal Sacrifice	**HISTO:** 2002237

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Moderate
[Adenoma TGLS = 4-8]			
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Mild
* Thymus		Atrophy	Moderate
* Thyroid Gland	Bilateral, C Cell	Adenoma	
	C Cell	Hyperplasia	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 222	**TRT#:** 3	**SEX:** Female	**DAY ON TEST:** 732
	DOSE: 10 NG/KG	**DISP:** Terminal Sacrifice	**HISTO:** 2002238

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Moderate
		Hyperplasia	Moderate
		Hypertrophy	Mild
		Vacuolization Cytoplasmic	Mild
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver	Bile Duct	Hyperplasia	Minimal
	Hepatocyte	Hypertrophy	Minimal
		Inflammation	Minimal
		Mixed Cell Focus	
	Hepatocyte	Multinucleated	Mild
		Pigmentation	Minimal
* Lung		Infiltration Cellular	Histiocyte, Moderate
	Alveolar Epith	Metaplasia	Bronchiolar, Mild
[Infiltration Cellular TGLS = 1-3+4]			
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Moderate
* Mammary Gland		Hyperplasia	Mild
* Ovary		Atrophy	Marked
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Moderate
[Adenoma TGLS = 2-8]			
* Spleen		Hematopoietic Cell Proliferation	Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 222	**TRT#:** 3	**SEX:** Female	**DAY ON TEST:** 732
	DOSE: 10 NG/KG	**DISP:** Terminal Sacrifice	**HISTO:** 2002238

ORGAN AND ACCOUNTABLE SITE STATUS

		Pigmentation	Mild
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Adenoma	
	C Cell	Hyperplasia	Mild
* Uterus		Metaplasia	Squamous, Moderate

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 223	**TRT#:** 3	**SEX:** Female	**DAY ON TEST:** 614
	DOSE: 10 NG/KG	**DISP:** Moribund Sacrifice	**HISTO:** 2002239

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Esophagus	Eye
Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mesenteric	* Nose	* Pancreas
Peripheral Nerve	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Mild
* Adrenal Medulla		Hyperplasia	Mild
* Bone Marrow		Hyperplasia	Moderate
* Brain		Glioma Malignant	
* Clitoral Gland	Duct	Cyst	Mild
		Inflammation	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Eosinophilic Focus	
		Inflammation	Minimal
		Mixed Cell Focus	Multiple
		Pigmentation	Minimal
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Moderate
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Minimal
[Fibroadenoma TGLS = 1-11]			
Oral Mucosa	Gingival	Hyperplasia	Squamous, Mild
Note: There was hair embedded in the hyperplastic oral mucosa.			
* Ovary		Atrophy	Marked
		Cyst	Mild
* Pituitary Gland		Angiectasis	Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 223	**TRT#:** 3	**SEX:** Female	**DAY ON TEST:** 614
	DOSE: 10 NG/KG	**DISP:** Moribund Sacrifice	**HISTO:** 2002239

ORGAN AND ACCOUNTABLE SITE STATUS

	Pars Distalis	Hyperplasia	Moderate
[Hyperplasia TGLS = 3-12]			
Spinal Cord		Gliosis	Mild
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Mild
* Thymus		Atrophy	Moderate
Tooth	Peridont Tiss	Inflammation	Minimal
* Urinary Bladder		Inflammation	Minimal
* Uterus		Inflammation	Suppurative, Marked
		Metaplasia	Squamous, Moderate
[Inflammation TGLS = 2-10]			

PRIMARY CAUSE OF DEATH	- Brain Glioma Malignant
CONTRIBUTORY CAUSE OF DEATH	- Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 224	**TRT#:** 3	**SEX:** Female	**DAY ON TEST:** 429
	DOSE: 10 NG/KG	**DISP:** Moribund Sacrifice	**HISTO:** 2002240

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex	Capsule	Sarcoma	Metastatic (Skeletal Muscle)
* Bone Marrow		Hyperplasia	Marked
* Clitoral Gland	Duct	Cyst	Minimal
		Inflammation	Moderate
[Inflammation TGLS = 1-10]			
* Heart		Cardiomyopathy	Minimal
* Kidney	Pelvis	Dilatation	Moderate
[Dilatation TGLS = 2-5]			
* Liver		Basophilic Focus	
		Inflammation	Minimal
		Pigmentation	Mild
* Lung		Edema	Mild
		Sarcoma	Metastatic (Skeletal Muscle)
[Sarcoma TGLS = 3-3+4]			
* Ovary		Atrophy	Marked
		Cyst	Mild
Skeletal Muscle		Sarcoma	
[Sarcoma TGLS = 4-11]			
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 224	**TRT#:** 3	**SEX:** Female	**DAY ON TEST:** 429
	DOSE: 10 NG/KG	**DISP:** Moribund Sacrifice	**HISTO:** 2002240

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Mild
	Follicular Cel	Hypertrophy	Mild
Tooth	Peridont Tiss	Inflammation	Minimal
* Uterus		Inflammation	Suppurative, Minimal

PRIMARY CAUSE OF DEATH - Skeletal Muscle Sarcoma

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 225	**TRT#:** 3	**SEX:** Female	**DAY ON TEST:** 550
	DOSE: 10 NG/KG	**DISP:** Natural Death	**HISTO:** 2002241

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
		Hypertrophy	Moderate
* Bone Marrow		Hyperplasia	Moderate
* Clitoral Gland	Duct	Cyst	Moderate
		Inflammation	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Minimal
* Liver		Eosinophilic Focus	
		Fatty Change	Diffuse, Minimal
		Inflammation	Minimal
	Hepatocyte	Multinucleated	Minimal
		Necrosis	Moderate
		Pigmentation	Mild
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Mild
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 2-12]			
* Ovary		Atrophy	Marked
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Minimal
* Spleen		Pigmentation	Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 225	**TRT#:** 3	**SEX:** Female	**DAY ON TEST:** 550
	DOSE: 10 NG/KG	**DISP:** Natural Death	**HISTO:** 2002241

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus		Atrophy	Marked
* Thyroid Gl			
Note: One thyroid missing.			
Tooth	Peridont Tiss	Inflammation	Minimal
* Uterus		Inflammation	Suppurative, Marked
		Metaplasia	Squamous, Marked

Note: There was squamous cell metaplasia of the uterus and enlargement was probably due to accumulation of keratin lost in processing.
[Inflammation TGLS = 3-11]
[Metaplasia TGLS = 1-11]

PRIMARY CAUSE OF DEATH - Uterus Inflammation

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 226	**TRT#:** 3	**SEX:** Female	**DAY ON TEST:** 94
	DOSE: 10 NG/KG	**DISP:** Scheduled Sacrifice	**HISTO:** 2002242

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
* Adrenal Cortex	* Liver	* Lung	Lymph Node
* Pancreas	* Thymus		
OBSERVATIONS			
* Thyroid Gland	Follicular Cel	Hypertrophy	Moderate
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 227	**TRT#:** 3	**SEX:** Female	**DAY ON TEST:** 94
	DOSE: 10 NG/KG	**DISP:** Scheduled Sacrifice	**HISTO:** 2002243

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Liver	* Lung	* Pancreas
* Thymus	* Thyroid Gland		

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 228	**TRT#:** 3	**SEX:** Female	**DAY ON TEST:** 94
	DOSE: 10 NG/KG	**DISP:** Scheduled Sacrifice	**HISTO:** 2002244

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
* Lung	* Pancreas	* Thymus	* Thyroid Gland
OBSERVATIONS			
* Adrenal Cortex		Hypertrophy	Mild
* Liver	Hepatocyte	Hypertrophy	Mild
		Inflammation	Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 229	**TRT#:** 3	**SEX:** Female	**DAY ON TEST:** 94
	DOSE: 10 NG/KG	**DISP:** Scheduled Sacrifice	**HISTO:** 2002245

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
* Adrenal Cortex	* Lung	* Pancreas	* Thymus
* Thyroid Gland			
OBSERVATIONS			
* Liver		Inflammation	Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 230	**TRT#:** 3	**SEX:** Female	**DAY ON TEST:** 94
	DOSE: 10 NG/KG	**DISP:** Scheduled Sacrifice	**HISTO:** 2002246

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
* Adrenal Cortex	* Lung	* Pancreas	* Thymus
* Thyroid Gland			
OBSERVATIONS			
* Liver		Inflammation	Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 231	**TRT#:** 3	**SEX:** Female	**DAY ON TEST:** 697
	DOSE: 10 NG/KG	**DISP:** Moribund Sacrifice	**HISTO:** 2002247

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
		Hyperplasia	Mild
		Hypertrophy	Mild
* Adrenal Medulla		Hyperplasia	Mild
* Bone Marrow		Hyperplasia	Marked
* Clitoral Gland		Inflammation	Minimal
Eye			
Note: One optic nerve missing.			
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Basophilic Focus	Multiple
		Inflammation	Minimal
	Hepatocyte	Multinucleated	Minimal
		Pigmentation	Moderate
* Lung	Bronchiole	Dilatation	Mild
		Edema	Mild
		Inflammation	Granulomatous, Moderate
Note: The inflammatory reaction was pyogranulomatous with numerous giant cells. A foreign material was present in some foci of inflammation.			
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Mild
* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 1,2-11+12]			
* Nose	Respirat Epith, Turbinate	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 231	**TRT#:** 3	**SEX:** Female	**DAY ON TEST:** 697
	DOSE: 10 NG/KG	**DISP:** Moribund Sacrifice	**HISTO:** 2002247

ORGAN AND ACCOUNTABLE SITE STATUS

	Septum, Turbinate	Inflammation	Mild
Oral Mucosa	Gingival	Hyperplasia	Squamous, Minimal
* Ovary		Atrophy	Marked
		Cyst	Moderate
[Cyst TGLS = 5-10]			
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Mild
[Adenoma TGLS = 4-8]			
* Spleen		Pigmentation	Mild
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Moderate
* Uterus		Inflammation	Suppurative, Moderate
		Metaplasia	Squamous, Moderate
Note: One horn of the uterus was dilated and contained a suppurative exudate.			
[Inflammation TGLS = 3-10]			

PRIMARY CAUSE OF DEATH - Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 232	**TRT#:** 3	**SEX:** Female	**DAY ON TEST:** 95
	DOSE: 10 NG/KG	**DISP:** Scheduled Sacrifice	**HISTO:** 2002248

***** NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 233	**TRT#:** 3	**SEX:** Female	**DAY ON TEST:** 732
	DOSE: 10 NG/KG	**DISP:** Terminal Sacrifice	**HISTO:** 2002249

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
		Degeneration	Cystic, Moderate
		Hyperplasia	Mild
		Hypertrophy	Mild
* Clitoral Gland	Duct	Cyst	Minimal
		Inflammation	Moderate
Eye			
Note: One optic nerve missing.			
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Eosinophilic Focus	Multiple
		Inflammation	Minimal
		Mixed Cell Focus	
		Pigmentation	Mild
[Basophilic Focus TGLS = 5-13]			
[Mixed Cell Focus TGLS = 6-14]			
* Lung		Infiltration Cellular	Histiocyte, Mild
	Alveolar Epith	Metaplasia	Bronchiolar, Mild
[Infiltration Cellular TGLS = 3-3+4]			
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Mild
* Mammary Gland		Fibroadenoma	Multiple

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 233	**TRT#:** 3	**SEX:** Female	**DAY ON TEST:** 732
	DOSE: 10 NG/KG	**DISP:** Terminal Sacrifice	**HISTO:** 2002249

ORGAN AND ACCOUNTABLE SITE STATUS

[Fibroadenoma TGLS = 1,2-11+12]			
Oral Mucosa	Gingival	Hyperplasia	Squamous, Mild
Note: The hyperplastic oral mucosa contained embedded hair shafts.			
* Ovary		Atrophy	Marked
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Moderate
[Adenoma TGLS = 4-8]			
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Mild
* Thymus		Atrophy	Moderate
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate
		Polyp Stromal	
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 234	**TRT#:** 3	**SEX:** Female	**DAY ON TEST:** 731
	DOSE: 10 NG/KG	**DISP:** Terminal Sacrifice	**HISTO:** 2002250

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Mild
		Hyperplasia	Mild
		Hypertrophy	Mild
		Vacuolization Cytoplasmic	Mild
* Adrenal Medulla		Hyperplasia	Mild
* Bone Marrow		Hyperplasia	Mild
* Clitoral Gland		Inflammation	Minimal
Eye			
Note: One optic nerve missing.			
* Kidney		Nephropathy	Moderate
* Liver		Basophilic Focus	
		Inflammation	Minimal
		Mixed Cell Focus	Multiple
* Lung		Infiltration Cellular	Histiocyte, Mild
	Alveolar Epith	Metaplasia	Bronchiolar, Minimal
	Mediastinum	Sarcoma	
Note: Left lung frozen for NTP.			
[Infiltration Cellular TGLS = 4-4]			
[Sarcoma TGLS = 5-3]			
* Mammary Gland		Fibroadenoma	Multiple
		Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 234	**TRT#:** 3	**SEX:** Female	**DAY ON TEST:** 731
	DOSE: 10 NG/KG	**DISP:** Terminal Sacrifice	**HISTO:** 2002250

ORGAN AND ACCOUNTABLE SITE STATUS

[Fibroadenoma TGLS = 1,2,3-11+12+13]			
* Ovary		Atrophy	Marked
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Minimal
* Thymus		Histiocytic Sarcoma	Metastatic (Lung)
* Thyroid Gland	C Cell	Adenoma	
	C Cell	Hyperplasia	Mild
Tooth	Peridont Tiss	Inflammation	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 235	**TRT#:** 3	**SEX:** Female	**DAY ON TEST:** 344
	DOSE: 10 NG/KG	**DISP:** Natural Death	**HISTO:** 2002251

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

AUTO PRECLUDES DIAG.

* Pancreas

OBSERVATIONS

* Adrenal Cortex	Hyperplasia	Mild
* Bone Marrow	Hyperplasia	Moderate
Eye		
Note: One optic nerve missing.		
* Kidney	Mineralization	Minimal
* Liver	Inflammation	Minimal
* Lung	Infiltration Cellular	Histiocyte, Minimal
[Infiltration Cellular TGLS = 2-3+4]		
* Mammary Gland	Fibroadenoma	
[Fibroadenoma TGLS = 1-11]		
* Ovary	Atrophy	Marked
* Spleen	Pigmentation	Minimal
* Uterus	Metaplasia	Squamous, Mild

PRIMARY CAUSE OF DEATH - Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 236	**TRT#:** 3	**SEX:** Female	**DAY ON TEST:** 213
	DOSE: 10 NG/KG	**DISP:** Scheduled Sacrifice	**HISTO:** 2002252

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
* Adrenal Cortex	* Lung	* Pancreas	* Thyroid Gland
OBSERVATIONS			
* Liver		Inflammation	Minimal
		Mixed Cell Focus	
		Pigmentation	Minimal
* Thymus		Atrophy	Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 237	**TRT#:** 3	**SEX:** Female	**DAY ON TEST:** 213
	DOSE: 10 NG/KG	**DISP:** Scheduled Sacrifice	**HISTO:** 2002253

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
* Adrenal Cortex	* Lung	* Pancreas	* Thymus
* Thyroid Gland			
OBSERVATIONS			
* Liver		Inflammation	Minimal
		Pigmentation	Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 238	**TRT#:** 3	**SEX:** Female	**DAY ON TEST:** 213
	DOSE: 10 NG/KG	**DISP:** Scheduled Sacrifice	**HISTO:** 2002254

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
* Lung	* Pancreas	* Thymus	* Thyroid Gland
OBSERVATIONS			
* Adrenal Cortex		Hypertrophy	Minimal
* Liver		Inflammation	Mild
		Pigmentation	Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 239	**TRT#:** 3	**SEX:** Female	**DAY ON TEST:** 213
	DOSE: 10 NG/KG	**DISP:** Scheduled Sacrifice	**HISTO:** 2002255

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
* Lung	* Thyroid Gland		
OBSERVATIONS			
* Adrenal Cortex		Hypertrophy	Mild
* Liver		Inflammation	Mild
		Mixed Cell Focus	
		Pigmentation	Minimal
* Pancreas	Acinus	Atrophy	Minimal
* Thymus		Atrophy	Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 240	**TRT#:** 3	**SEX:** Female	**DAY ON TEST:** 213
	DOSE: 10 NG/KG	**DISP:** Scheduled Sacrifice	**HISTO:** 2002256

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
* Adrenal Cortex	* Lung	* Pancreas	* Thymus
* Thyroid Gland			
OBSERVATIONS			
* Liver		Inflammation	Mild
		Mixed Cell Focus	
		Pigmentation	Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 241	**TRT#:** 3	**SEX:** Female	**DAY ON TEST:** 720
	DOSE: 10 NG/KG	**DISP:** Natural Death	**HISTO:** 2002257

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Mild
		Necrosis	Mild
* Bone Marrow		Hyperplasia	Moderate
* Clitoral Gland	Duct	Cyst	Moderate
		Inflammation	Minimal
[Cyst TGLS = 2-10]			
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Basophilic Focus	Multiple
		Eosinophilic Focus	Multiple
		Fatty Change	Diffuse, Minimal
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Minimal
		Pigmentation	Minimal
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-11]			
* Ovary		Atrophy	Marked
* Pituitary Gland		Angiectasis	Minimal
	Pars Distalis	Hyperplasia	Moderate
* Spleen		Hematopoietic Cell Proliferation	Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 241	**TRT#:** 3	**SEX:** Female	**DAY ON TEST:** 720
	DOSE: 10 NG/KG	**DISP:** Natural Death	**HISTO:** 2002257

ORGAN AND ACCOUNTABLE SITE STATUS

		Pigmentation	Minimal
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Adenoma	
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
		Metaplasia	Squamous, Minimal

PRIMARY CAUSE OF DEATH - Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 242	**TRT#:** 3	**SEX:** Female	**DAY ON TEST:** 613
	DOSE: 10 NG/KG	**DISP:** Moribund Sacrifice	**HISTO:** 2002258

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
		Hypertrophy	Mild
* Bone Marrow		Hyperplasia	Marked
* Clitoral Gland	Duct	Cyst	Mild
		Inflammation	Mild
Eye			
Note: One optic nerve missing.			
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Minimal
* Liver		Inflammation	Minimal
		Mixed Cell Focus	Multiple
[Mixed Cell Focus TGLS = 3,5-6+13]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
	Alveolar Epith	Metaplasia	Bronchiolar, Minimal
[Infiltration Cellular TGLS = 4-3+4]			
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-11]			
* Ovary		Atrophy	Marked
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Skin		Myxosarcoma	
[Myxosarcoma TGLS = 2-12]			
* Spleen		Hematopoietic Cell Proliferation	Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 242	**TRT#:** 3	**SEX:** Female	**DAY ON TEST:** 613
	DOSE: 10 NG/KG	**DISP:** Moribund Sacrifice	**HISTO:** 2002258

ORGAN AND ACCOUNTABLE SITE STATUS

		Pigmentation	Minimal
* Thymus		Atrophy	Moderate
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal

PRIMARY CAUSE OF DEATH	- Mammary Gland Fibroadenoma
CONTRIBUTORY CAUSE OF DEATH	- Skin Myxosarcoma

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 243	**TRT#:** 3	**SEX:** Female	**DAY ON TEST:** 95
	DOSE: 10 NG/KG	**DISP:** Scheduled Sacrifice	**HISTO:** 2002259

***** NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 244	**TRT#:** 3	**SEX:** Female	**DAY ON TEST:** 578
	DOSE: 10 NG/KG	**DISP:** Moribund Sacrifice	**HISTO:** 2002260

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Minimal
* Bone Marrow		Hyperplasia	Marked
* Clitoral Gland		Inflammation	Minimal
* Kidney		Mineralization	Minimal
* Liver		Eosinophilic Focus	Multiple
	Hepatocyte	Hypertrophy	Minimal
		Inflammation	Minimal
		Mixed Cell Focus	
	Hepatocyte	Multinucleated	Minimal
		Pigmentation	Minimal
* Lung		Infiltration Cellular	Histiocyte, Mild
	Alveolar Epith	Metaplasia	Bronchiolar, Mild
[Infiltration Cellular TGLS = 3-3+4]			
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-11]			
Oral Mucosa	Gingival	Hyperplasia	Squamous, Minimal
* Ovary		Atrophy	Marked
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Minimal
* Thymus		Atrophy	Moderate
* Thyroid Gland	Follicular Cel	Hypertrophy	Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 244	**TRT#:** 3	**SEX:** Female	**DAY ON TEST:** 578
	DOSE: 10 NG/KG	**DISP:** Moribund Sacrifice	**HISTO:** 2002260

ORGAN AND ACCOUNTABLE SITE STATUS

Tooth	Peridont Tiss	Inflammation	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Marked
		Inflammation	Chronic Active, Mild
		Metaplasia	Squamous, Marked

Note: The uterus was lined with squamous epithelium and the lumen was dilated. The contents were lost in processing.
[Metaplasia TGLS = 2-12+13]

PRIMARY CAUSE OF DEATH	- Mammary Gland Fibroadenoma
CONTRIBUTORY CAUSE OF DEATH	- Uterus Metaplasia

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 245	**TRT#:** 3	**SEX:** Female	**DAY ON TEST:** 731
	DOSE: 10 NG/KG	**DISP:** Terminal Sacrifice	**HISTO:** 2002261

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
		Degeneration	Cystic, Minimal
		Hyperplasia	Mild
		Hypertrophy	Mild
		Vacuolization Cytoplasmic	Minimal
* Adrenal Medulla		Hyperplasia	Minimal
* Clitoral Gland	Duct	Cyst	Moderate
[Cyst TGLS = 2-10]			
* Heart		Cardiomyopathy	Minimal
* Kidney		Casts Protein	Minimal
		Nephropathy	Minimal
* Liver		Eosinophilic Focus	Multiple
		Fatty Change	Focal, Minimal
	Hepatocyte	Hypertrophy	Mild
		Inflammation	Minimal
		Mixed Cell Focus	Multiple
	Hepatocyte	Multinucleated	Minimal
		Pigmentation	Mild
		Toxic Hepatopathy	Minimal
[Eosinophilic Focus TGLS = 5-6+7]			
[Mixed Cell Focus TGLS = 5,6-6+7+13]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
	Alveolar Epith	Metaplasia	Bronchiolar, Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 245	**TRT#:** 3	**SEX:** Female	**DAY ON TEST:** 731
	DOSE: 10 NG/KG	**DISP:** Terminal Sacrifice	**HISTO:** 2002261

ORGAN AND ACCOUNTABLE SITE STATUS

Note: Left lung frozen for NTP.			
[Infiltration Cellular TGLS = 7-4]			
* Mammary Gland		Fibroadenoma	Multiple
		Hyperplasia	Minimal
[Fibroadenoma TGLS = 1,4-11+12]			
Oral Mucosa	Gingival	Hyperplasia	Squamous, Mild
Note: The hyperplastic oral mucosa formed a cavity next to the tooth that contained hair shafts.			
* Ovary		Atrophy	Marked
		Cyst	Moderate
[Cyst TGLS = 3-10]			
* Pancreas	Acinus	Atrophy	Minimal
		Inflammation	Chronic Active, Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Minimal
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Adenoma	
	C Cell	Hyperplasia	Moderate
	Follicular Cel	Hypertrophy	Minimal
Tooth	Peridont Tiss	Inflammation	Minimal
* Uterus		Adenoma	
		Inflammation	Chronic Active, Moderate
		Polyp Stromal	
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 246	**TRT#:** 3	**SEX:** Female	**DAY ON TEST:** 578
	DOSE: 10 NG/KG	**DISP:** Moribund Sacrifice	**HISTO:** 2002262

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Minimal
* Bone Marrow		Hyperplasia	Moderate
* Clitoral Gland	Duct	Cyst	Moderate
		Inflammation	Minimal
Eye			
Note: One optic nerve missing.			
* Kidney		Calculus Micro Observation Only	
		Nephropathy	Minimal
* Liver		Hematopoietic Cell Proliferation	Minimal
	Hepatocyte	Hypertrophy	Mild
		Inflammation	Minimal
		Pigmentation	Mild
* Lung		Infiltration Cellular	Histiocyte, Minimal
	Alveolar Epith	Metaplasia	Bronchiolar, Minimal
* Mammary Gland		Hyperplasia	Mild
Oral Mucosa	Gingival	Squamous Cell Carcinoma	
[Squamous Cell Carcinoma TGLS = 3-12]			
* Ovary		Atrophy	Marked
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Moderate
[Adenoma TGLS = 2-8]			
* Skin		Fibroma	

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 246	**TRT#:** 3	**SEX:** Female	**DAY ON TEST:** 578
	DOSE: 10 NG/KG	**DISP:** Moribund Sacrifice	**HISTO:** 2002262

ORGAN AND ACCOUNTABLE SITE STATUS

[Fibroma TGLS = 1-11]			
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Mild
* Stomach, Forestomach		Erosion	Mild
		Inflammation	Minimal
* Thymus		Atrophy	Marked
Tooth	Peridont Tiss	Inflammation	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal
		Metaplasia	Squamous, Minimal

PRIMARY CAUSE OF DEATH	- Skin Fibroma
CONTRIBUTORY CAUSE OF DEATH	- Oral Mucosa Gingival Squamous Cell Carcinoma

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 247	**TRT#:** 3	**SEX:** Female	**DAY ON TEST:** 732
	DOSE: 10 NG/KG	**DISP:** Terminal Sacrifice	**HISTO:** 2002263

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* 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
* Nose	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Minimal
		Hypertrophy	Mild
* Adrenal Medulla		Hyperplasia	Mild
* Bone Marrow		Hyperplasia	Marked
* Clitoral Gland	Duct	Cyst	Marked
		Inflammation	Mild
[Cyst TGLS = 2-10]			
Eye	Retina	Atrophy	Mild
	Cornea	Inflammation	Suppurative, Minimal
Harderian Gland		Inflammation	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney	Transit Epithe	Hyperplasia	Mild
		Mineralization	Minimal
		Nephropathy	Mild
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Mild
	Oval Cell	Hyperplasia	Mild
		Inflammation	Mild
		Necrosis	Mild
		Pigmentation	Minimal
		Toxic Hepatopathy	Mild
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Marked

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 247	**TRT#:** 3	**SEX:** Female	**DAY ON TEST:** 732
	DOSE: 10 NG/KG	**DISP:** Terminal Sacrifice	**HISTO:** 2002263

ORGAN AND ACCOUNTABLE SITE STATUS

[Hyperplasia TGLS = 4-9]			
* Mammary Gland		Carcinoma	
		Fibroadenoma	Multiple
Note: Slide 12 contained two mammary tumors. One was a fibroadenoma and the other was a carcinoma.			
[Carcinoma TGLS = 3-11]			
[Fibroadenoma TGLS = 1,3-11+12]			
* Nose			
Note: The inflammation was primarily around the tooth.			
* Ovary		Atrophy	Marked
		Cyst	Mild
		Fibrosis	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Moderate
[Adenoma TGLS = 5-8]			
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Minimal
* Thyroid Gland	C Cell	Adenoma	
	C Cell	Hyperplasia	Mild
Tooth	Peridont Tiss	Inflammation	Moderate
[Inflammation TGLS = 6-1+13]			
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 248	**TRT#:** 3	**SEX:** Female	**DAY ON TEST:** 214
	DOSE: 10 NG/KG	**DISP:** Scheduled Sacrifice	**HISTO:** 2002264

***** NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 249	**TRT#:** 3	**SEX:** Female	**DAY ON TEST:** 731
	DOSE: 10 NG/KG	**DISP:** Terminal Sacrifice	**HISTO:** 2002265

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Bone Marrow	* Brain
* Esophagus	Eye	Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
		Hyperplasia	Mild
		Hypertrophy	Minimal
* Adrenal Medulla		Hyperplasia	Moderate
* Clitoral Gland		Hyperplasia	Basal Cell, Mild
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Inflammation	Minimal
		Mixed Cell Focus	Multiple
* Lung		Infiltration Cellular	Histiocyte, Mild
	Alveolar Epith	Metaplasia	Bronchiolar, Mild
Note: Left lung frozen for NTP.			
[Infiltration Cellular TGLS = 4-4]			
* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 1,2,3-11+12+13]			
* Ovary		Atrophy	Marked
* Pancreas	Acinus	Atrophy	Mild
		Inflammation	Chronic Active, Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Minimal
* Stomach, Forestomach		Cyst	Squamous, Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 249	**TRT#:** 3	**SEX:** Female	**DAY ON TEST:** 731
	DOSE: 10 NG/KG	**DISP:** Terminal Sacrifice	**HISTO:** 2002265

ORGAN AND ACCOUNTABLE SITE STATUS

[Cyst TGLS = 5-6]			
* Thymus		Atrophy	Marked
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 250	**TRT#:** 3	**SEX:** Female	**DAY ON TEST:** 369
	DOSE: 10 NG/KG	**DISP:** Scheduled Sacrifice	**HISTO:** 2002266

***** NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 251	**TRT#:** 3	**SEX:** Female	**DAY ON TEST:** 214
	DOSE: 10 NG/KG	**DISP:** Scheduled Sacrifice	**HISTO:** 2002267

***** NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 252	**TRT#:** 3	**SEX:** Female	**DAY ON TEST:** 95
	DOSE: 10 NG/KG	**DISP:** Scheduled Sacrifice	**HISTO:** 2002268

***** NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 253	**TRT#:** 3	**SEX:** Female	**DAY ON TEST:** 368
	DOSE: 10 NG/KG	**DISP:** Scheduled Sacrifice	**HISTO:** 2002269

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
* Adrenal Cortex	* Lung	* Pancreas	* Thyroid Gland
MISSING			
* Thymus			
OBSERVATIONS			
* Adrenal Medulla		Pheochromocytoma Benign	
* Liver	Hepatocyte	Hypertrophy	Minimal
		Inflammation	Minimal
* Pituitary Gland		Adenoma	
[Adenoma TGLS = 1-3]			
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 254	**TRT#:** 3	**SEX:** Female	**DAY ON TEST:** 368
	DOSE: 10 NG/KG	**DISP:** Scheduled Sacrifice	**HISTO:** 2002270

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
* Lung	* Pancreas	* Thymus	* Thyroid Gland
OBSERVATIONS			
* Adrenal Cortex		Hypertrophy	Minimal
* Liver	Bile Duct	Hyperplasia	Minimal
	Hepatocyte	Hypertrophy	Minimal
		Inflammation	Minimal
		Pigmentation	Minimal
		Toxic Hepatopathy	Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 255	**TRT#:** 3	**SEX:** Female	**DAY ON TEST:** 368
	DOSE: 10 NG/KG	**DISP:** Scheduled Sacrifice	**HISTO:** 2002271

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
* Pancreas	* Thyroid Gland		
OBSERVATIONS			
* Adrenal Cortex		Hypertrophy	Minimal
* Liver	Bile Duct	Cyst	Mild
	Hepatocyte	Hypertrophy	Mild
		Inflammation	Minimal
		Pigmentation	Minimal
[Cyst TGLS = 1-6]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
[Infiltration Cellular TGLS = 2-1]			
* Thymus		Atrophy	Moderate
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 256	**TRT#:** 3	**SEX:** Female	**DAY ON TEST:** 732
	DOSE: 10 NG/KG	**DISP:** Terminal Sacrifice	**HISTO:** 2002272

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Esophagus	Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Trachea

OBSERVATIONS

* Adrenal Cortex		Adenoma	
		Angiectasis	Minimal
		Hypertrophy	Minimal
[Adenoma TGLS = 5-8]			
* Clitoral Gland	Duct	Cyst	Moderate
		Inflammation	Moderate
[Cyst TGLS = 2-10]			
Eye	Retina	Atrophy	Moderate
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
	Hepatocyte	Hypertrophy	Minimal
		Inflammation	Minimal
		Mixed Cell Focus	
[Basophilic Focus TGLS = 6-6]			
[Mixed Cell Focus TGLS = 8-7]			
* Lung		Infiltration Cellular	Histiocyte, Mild
	Alveolar Epith	Metaplasia	Bronchiolar, Mild
[Infiltration Cellular TGLS = 7-3+4]			
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Mild
[Fibroadenoma TGLS = 1-11]			
* Ovary		Atrophy	Marked

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 256	**TRT#:** 3	**SEX:** Female	**DAY ON TEST:** 732
	DOSE: 10 NG/KG	**DISP:** Terminal Sacrifice	**HISTO:** 2002272

ORGAN AND ACCOUNTABLE SITE STATUS

		Cyst	Moderate
[Cyst TGLS = 3,4-10]			
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Hyperplasia	Moderate
		Vacuolization Cytoplasmic	Mild
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Minimal
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Urinary Bladder		Inflammation	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 257	**TRT#:** 3	**SEX:** Female	**DAY ON TEST:** 732
	DOSE: 10 NG/KG	**DISP:** Terminal Sacrifice	**HISTO:** 2002273

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
		Degeneration	Cystic, Mild
		Hyperplasia	Moderate
		Hypertrophy	Mild
		Vacuolization Cytoplasmic	Minimal
* Clitoral Gland	Duct	Cyst	Moderate
		Inflammation	Moderate
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Fatty Change	Diffuse, Minimal
		Inflammation	Minimal
		Mixed Cell Focus	Multiple
		Pigmentation	Minimal
[Mixed Cell Focus TGLS = 2-12]			
* Lung		Infiltration Cellular	Histiocyte, Mild
	Alveolar Epith	Metaplasia	Bronchiolar, Mild
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-11]			
Oral Mucosa	Gingival	Hyperplasia	Squamous, Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 257	**TRT#:** 3	**SEX:** Female	**DAY ON TEST:** 732
	DOSE: 10 NG/KG	**DISP:** Terminal Sacrifice	**HISTO:** 2002273

ORGAN AND ACCOUNTABLE SITE STATUS

Note: The hyperplastic mucosa formed a cavity adjacent to the tooth that contained hair.

* Ovary		Atrophy	Marked
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Mild
[Adenoma TGLS = 3-8]			
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Mild
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Adenoma	
	C Cell	Hyperplasia	Mild
[Adenoma TGLS = 4-8]			
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate
		Inflammation	Suppurative, Minimal

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 258	**TRT#:** 3	**SEX:** Female	**DAY ON TEST:** 54
	DOSE: 10 NG/KG	**DISP:** Dosing Accident	**HISTO:** 2002274

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	Eye	Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Stomach, Glandular	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Bone Marrow		Hyperplasia	Moderate
* Clitoral Gland	Duct	Cyst	Mild
* Esophagus	Periesoph Tiss	Inflammation	Moderate
		Perforation	
[Perforation TGLS = 2-3]			
Eye			
Note: One optic nerve missing.			
* Intestine Small, Duodenum	Epithelium	Hyperplasia	Minimal
* Kidney		Inflammation	Suppurative, Moderate
	Papilla	Necrosis	Moderate
* Liver	Hepatocyte	Hypertrophy	Minimal
		Inflammation	Minimal
* Lung		Congestion	Moderate
* Mammary Gland		Hyperplasia	Minimal
* Salivary Glands		Inflammation	Moderate
* Skin		Inflammation	Chronic Active, Moderate
		Necrosis	Moderate
[Inflammation TGLS = 1-11]			
[Necrosis TGLS = 1-11]			
* Spleen		Pigmentation	Minimal
* Stomach, Forestomach		Hyperkeratosis	Minimal
		Hyperplasia	Squamous, Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 258	**TRT#:** 3	**SEX:** Female	**DAY ON TEST:** 54
	DOSE: 10 NG/KG	**DISP:** Dosing Accident	**HISTO:** 2002274

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus	Atrophy	Marked
* Thyroid Gland	Inflammation	Chronic Active, Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 259	**TRT#:** 3	**SEX:** Female	**DAY ON TEST:** 718
	DOSE: 10 NG/KG	**DISP:** Moribund Sacrifice	**HISTO:** 2002275

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
		Degeneration	Cystic, Moderate
		Hypertrophy	Moderate
* Clitoral Gland	Duct	Cyst	Minimal
		Inflammation	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Inflammation	Mild
		Mixed Cell Focus	Multiple
	Hepatocyte	Multinucleated	Minimal
		Pigmentation	Mild
[Mixed Cell Focus TGLS = 2-6+7]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
[Infiltration Cellular TGLS = 3-3+4]			
* Mammary Gland		Carcinoma	
		Hyperplasia	Minimal
Note: The mammary tumor was a tumor next to the clitoral gland and was thought to be clitoral gland at necropsy.			
[Carcinoma TGLS = 1-11]			
* Ovary		Atrophy	Marked
* Pituitary Gland	Pars Distalis	Adenoma	

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 259	**TRT#:** 3	**SEX:** Female	**DAY ON TEST:** 718
	DOSE: 10 NG/KG	**DISP:** Moribund Sacrifice	**HISTO:** 2002275

ORGAN AND ACCOUNTABLE SITE STATUS

		Angiectasis	Moderate
[Adenoma TGLS = 4-8]			
* Spleen		Pigmentation	Mild
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Adenoma	
Tooth	Peridont Tiss	Inflammation	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 260	**TRT#:** 3	**SEX:** Female	**DAY ON TEST:** 626
	DOSE: 10 NG/KG	**DISP:** Moribund Sacrifice	**HISTO:** 2002276

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Esophagus	Eye
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Nose
* Parathyroid Gland	* Salivary Glands	* Skin	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Mild
		Hyperplasia	Mild
		Lymphoma Malignant	
* Adrenal Medulla		Lymphoma Malignant	
* Bone Marrow		Lymphoma Malignant	
* Brain		Hemorrhage	Moderate
		Lymphoma Malignant	
	Cerebellum	Necrosis	Moderate
[Necrosis TGLS = 8-9]			
* Clitoral Gland	Duct	Cyst	Moderate
		Lymphoma Malignant	
Harderian Gland		Lymphoma Malignant	
* Heart		Lymphoma Malignant	
* Kidney		Lymphoma Malignant	
* Liver		Fatty Change	Diffuse, Mild
		Lymphoma Malignant	
		Pigmentation	Mild
[Lymphoma Malignant TGLS = 2-12]			
* Lung		Infiltration Cellular	Histiocyte, Mild
		Lymphoma Malignant	
	Alveolar Epith	Metaplasia	Bronchiolar, Minimal
[Lymphoma Malignant TGLS = 9-3+4]			
Lymph Node	Lumbar	Lymphoma Malignant	
	Mediastinal	Lymphoma Malignant	

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 260	**TRT#:** 3	**SEX:** Female	**DAY ON TEST:** 626
	DOSE: 10 NG/KG	**DISP:** Moribund Sacrifice	**HISTO:** 2002276

ORGAN AND ACCOUNTABLE SITE STATUS

		Lymphoma Malignant	
Note: TGL 7 was axillary lymph nodes.			
[Lymphoma Malignant TGLS = 4-14]			
[Lymphoma Malignant TGLS = 7-15]			
[Lymphoma Malignant TGLS = 3-13]			
* Lymph Node, Mandibular		Lymphoma Malignant	
[Lymphoma Malignant TGLS = 6-9]			
* Lymph Node, Mesenteric		Lymphoma Malignant	
[Lymphoma Malignant TGLS = 5-6]			
* Mammary Gland		Lymphoma Malignant	
* Ovary		Atrophy	Marked
* Pancreas		Lymphoma Malignant	
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
		Lymphoma Malignant	
* Spleen		Lymphoma Malignant	
		Necrosis	Moderate
[Lymphoma Malignant TGLS = 1-11]			
* Stomach, Forestomach		Lymphoma Malignant	
* Stomach, Glandular		Lymphoma Malignant	
* Thymus		Lymphoma Malignant	
* Thyroid Gland	C Cell	Adenoma	
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
PRIMARY CAUSE OF DEATH	- Lymph Node, Mesenteric	Lymphoma Malignant	

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 261	**TRT#:** 3	**SEX:** Female	**DAY ON TEST:** 732
	DOSE: 10 NG/KG	**DISP:** Terminal Sacrifice	**HISTO:** 2002277

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Esophagus	Eye	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Mild
* Clitoral Gland	Duct	Cyst	Minimal
		Inflammation	Minimal
Eye			
Note: One optic nerve missing.			
Harderian Gland		Inflammation	Minimal
* Kidney		Mineralization	Minimal
* Liver		Inflammation	Minimal
		Mixed Cell Focus	
		Pigmentation	Minimal
* Lung		Infiltration Cellular	Histiocyte, Mild
	Alveolar Epith	Metaplasia	Bronchiolar, Minimal
[Infiltration Cellular TGLS = 4-3+4]			
* Ovary		Atrophy	Marked
		Cyst	Mild
Oviduct	Epithelium	Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Mild
[Adenoma TGLS = 1-8]			
* Salivary Glands		Inflammation	Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 261	**TRT#:** 3	**SEX:** Female	**DAY ON TEST:** 732
	DOSE: 10 NG/KG	**DISP:** Terminal Sacrifice	**HISTO:** 2002277

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Moderate
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal
		Metaplasia	Squamous, Moderate

Note: One horn of the uterus was lined by squamous epithelium and the lumen was dilated with proteinaceous material,a keratin-like material and inflammatory cells.
[Metaplasia TGLS = 2-10]

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 262	**TRT#:** 3	**SEX:** Female	**DAY ON TEST:** 732
	DOSE: 10 NG/KG	**DISP:** Terminal Sacrifice	**HISTO:** 2002278

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
		Hyperplasia	Moderate
		Hypertrophy	Minimal
		Vacuolization Cytoplasmic	Minimal
* Clitoral Gland	Duct	Cyst	Moderate
		Inflammation	Mild
[Cyst TGLS = 1-10]			
Eye			
Note: One optic nerve missing.			
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Inflammation	Minimal
		Mixed Cell Focus	Multiple
* Lung		Infiltration Cellular	Histiocyte, Mild
	Alveolar Epith	Metaplasia	Bronchiolar, Mild
[Infiltration Cellular TGLS = 5-3+4]			
* Ovary		Atrophy	Marked
		Cyst	Moderate
[Cyst TGLS = 2-10]			
* Pituitary Gland		Cytoplasmic Alteration	Minimal
	Pars Distalis	Hyperplasia	Minimal
* Spleen		Pigmentation	Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 262	**TRT#:** 3	**SEX:** Female	**DAY ON TEST:** 732
	DOSE: 10 NG/KG	**DISP:** Terminal Sacrifice	**HISTO:** 2002278

ORGAN AND ACCOUNTABLE SITE STATUS

* Stomach, Forestomach		Hyperplasia	Squamous, Minimal
* Thymus		Atrophy	Moderate
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate
		Inflammation	Suppurative, Mild
		Metaplasia	Squamous, Moderate

Note: TGL 4 was an area of cystic endometrial hyperplasia. TGL 3 was an area of epithelial hyperplasia beneath a uterus lined by squamous epithelium.
[Hyperplasia TGLS = 3,4-11,12]

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 263	**TRT#:** 3	**SEX:** Female	**DAY ON TEST:** 604
	DOSE: 10 NG/KG	**DISP:** Natural Death	**HISTO:** 2002279

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Mild
* Adrenal Medulla		Hyperplasia	Mild
* Bone Marrow		Leukemia Granulocytic	
* Clitoral Gland	Duct	Cyst	Mild
Eye			
Note: One optic nerve missing.			
* Heart		Leukemia Granulocytic	
* Kidney		Leukemia Granulocytic	
		Mineralization	Minimal
* Liver		Leukemia Granulocytic	
* Lung		Infiltration Cellular	Histiocyte, Minimal
		Leukemia Granulocytic	
[Leukemia Granulocytic TGLS = 4-3]			
* Lymph Node, Mandibular		Leukemia Granulocytic	
* Lymph Node, Mesenteric		Leukemia Granulocytic	
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 2-11]			
* Ovary		Atrophy	Marked
* Parathyroid Gland		Fibrosis	Moderate
* Spleen		Leukemia Granulocytic	
[Leukemia Granulocytic TGLS = 3-5]			
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH - Bone Marrow Leukemia Granulocytic

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 264	**TRT#:** 3	**SEX:** Female	**DAY ON TEST:** 578
	DOSE: 10 NG/KG	**DISP:** Moribund Sacrifice	**HISTO:** 2002280

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Esophagus	Eye	Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Mild
		Hypertrophy	Moderate
* Bone Marrow		Hyperplasia	Marked
* Clitoral Gland	Duct	Cyst	Minimal
		Inflammation	Moderate
* Kidney		Mineralization	Minimal
* Liver		Eosinophilic Focus	Multiple
	Hepatocyte	Hypertrophy	Minimal
		Inflammation	Minimal
		Mixed Cell Focus	Multiple
* Lung		Infiltration Cellular	Histiocyte, Mild
	Alveolar Epith	Metaplasia	Bronchiolar, Minimal
* Mammary Gland		Fibroadenoma	Multiple
		Hyperplasia	Minimal
[Fibroadenoma TGLS = 1,2-11+12]			
* Ovary		Atrophy	Marked
		Cyst	Mild
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Minimal
* Thymus		Atrophy	Mild
* Urinary Bladder		Inflammation	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 264	**TRT#:** 3	**SEX:** Female	**DAY ON TEST:** 578
	DOSE: 10 NG/KG	**DISP:** Moribund Sacrifice	**HISTO:** 2002280

ORGAN AND ACCOUNTABLE SITE STATUS

		Inflammation	Suppurative, Minimal
		Metaplasia	Squamous, Mild
PRIMARY CAUSE OF DEATH	- Mammary Gland Fibroadenoma		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 265	**TRT#:** 3	**SEX:** Female	**DAY ON TEST:** 214
	DOSE: 10 NG/KG	**DISP:** Scheduled Sacrifice	**HISTO:** 2002281

***** NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 266	**TRT#:** 3	**SEX:** Female	**DAY ON TEST:** 731
	DOSE: 10 NG/KG	**DISP:** Terminal Sacrifice	**HISTO:** 2002282

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Mild
		Hypertrophy	Marked
* Clitoral Gland	Duct	Cyst	Moderate
* Esophagus	Muscularis	Inflammation	Mild
* Kidney	Transit Epithe	Hyperplasia	Minimal
		Nephropathy	Minimal
* Liver		Clear Cell Focus	
		Fatty Change	Diffuse, Minimal
		Inflammation	Minimal
		Mixed Cell Focus	Multiple
		Pigmentation	Minimal
* Lung		Infiltration Cellular	Histiocyte, Mild
	Alveolar Epith	Metaplasia	Bronchiolar, Minimal
Note: Left lung frozen for NTP.			
[Infiltration Cellular TGLS = 1-4]			
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Mild
* Ovary		Atrophy	Marked
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Spleen		Pigmentation	Mild
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 266	**TRT#:** 3	**SEX:** Female	**DAY ON TEST:** 731
	DOSE: 10 NG/KG	**DISP:** Terminal Sacrifice	**HISTO:** 2002282

ORGAN AND ACCOUNTABLE SITE STATUS

* Uterus	Inflammation	Chronic Active, Moderate
	Metaplasia	Squamous, Marked
	Squamous Cell Papilloma	
	Ulcer	Mild
[Squamous Cell Papilloma TGLS = 2-11]		

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 267	**TRT#:** 3	**SEX:** Female	**DAY ON TEST:** 369
	DOSE: 10 NG/KG	**DISP:** Scheduled Sacrifice	**HISTO:** 2002283

***** NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 268	**TRT#:** 3	**SEX:** Female	**DAY ON TEST:** 731
	DOSE: 10 NG/KG	**DISP:** Terminal Sacrifice	**HISTO:** 2002284

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Brain	Ear
* Esophagus	Eye	Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mesenteric	* Nose	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Minimal
		Hyperplasia	Moderate
		Hypertrophy	Mild
* Adrenal Medulla		Hyperplasia	Mild
* Bone Marrow		Hyperplasia	Moderate
* Clitoral Gland	Duct	Cyst	Mild
		Inflammation	Minimal
Eye			
Note: One optic nerve missing.			
* Heart		Cardiomyopathy	Minimal
* Intestine Large, Colon		Parasite Metazoan	
* Kidney	Transit Epithe	Hyperplasia	Mild
		Nephropathy	Moderate
* Liver		Eosinophilic Focus	
	Hepatocyte	Hypertrophy	Minimal
		Inflammation	Minimal
		Mixed Cell Focus	Multiple
		Pigmentation	Minimal
[Eosinophilic Focus TGLS = 3-11]			
[Mixed Cell Focus TGLS = 2-6]			
* Lung		Infiltration Cellular	Histiocyte, Mild
		Inflammation	Granulomatous, Mild
	Alveolar Epith	Metaplasia	Bronchiolar, Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 268	**TRT#:** 3	**SEX:** Female	**DAY ON TEST:** 731
	DOSE: 10 NG/KG	**DISP:** Terminal Sacrifice	**HISTO:** 2002284

ORGAN AND ACCOUNTABLE SITE STATUS

Note: Some of the granulomatous foci contained a foreign material.			
Note: Left lung frozen for NTP.			
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Mild
* Mammary Gland		Hyperplasia	Mild
* Ovary		Atrophy	Marked
* Pituitary Gland		Angiectasis	Minimal
	Pars Distalis	Hyperplasia	Moderate
* Skin		Hyperplasia	Squamous, Mild
		Inflammation	Chronic Active, Moderate
		Ulcer	Moderate
[Hyperplasia TGLS = 1-12]			
[Inflammation TGLS = 1-12]			
[Ulcer TGLS = 1-12]			
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Minimal
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Adenoma	
* Uterus	Endometrium	Adenomyosis	Moderate
	Endometrium	Hyperplasia	Cystic, Mild
	Serosa	Inflammation	Chronic Active, Moderate
		Metaplasia	Squamous, Minimal
[Adenomyosis TGLS = 4-11]			
[Hyperplasia TGLS = 4-11]			
[Inflammation TGLS = 4-11]			
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 269	**TRT#:** 3	**SEX:** Female	**DAY ON TEST:** 95
	DOSE: 10 NG/KG	**DISP:** Scheduled Sacrifice	**HISTO:** 2002285

***** NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 270	**TRT#:** 3	**SEX:** Female	**DAY ON TEST:** 659
	DOSE: 10 NG/KG	**DISP:** Natural Death	**HISTO:** 2002286

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Mild
* Adrenal Medulla		Hyperplasia	Mild
* Bone Marrow		Hyperplasia	Marked
* Clitoral Gland	Duct	Cyst	Moderate
		Inflammation	Moderate
[Cyst TGLS = 2-10]			
Eye			
Note: One optic nerve missing.			
* Heart		Cardiomyopathy	Minimal
* Kidney		Inflammation	Suppurative, Minimal
		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Inflammation	Minimal
	Hepatocyte	Multinucleated	Minimal
		Pigmentation	Minimal
* Lung		Infiltration Cellular	Histiocyte, Moderate
	Alveolar Epith	Metaplasia	Bronchiolar, Mild
[Infiltration Cellular TGLS = 4-3+4]			
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Moderate
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-12]			
Oral Mucosa	Gingival	Hyperplasia	Squamous, Minimal
* Ovary		Atrophy	Marked

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 270	**TRT#:** 3	**SEX:** Female	**DAY ON TEST:** 659
	DOSE: 10 NG/KG	**DISP:** Natural Death	**HISTO:** 2002286

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Moderate
[Adenoma TGLS = 5-8]			
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Mild
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
		Inflammation	Suppurative, Mild
		Metaplasia	Squamous, Moderate
		Polyp Stromal	
[Hyperplasia TGLS = 3-11]			
[Polyp Stromal TGLS = 3-11]			

PRIMARY CAUSE OF DEATH	- Pituitary Gland Pars Distalis Adenoma
CONTRIBUTORY CAUSE OF DEATH	- Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 271	**TRT#:** 3	**SEX:** Female	**DAY ON TEST:** 369
	DOSE: 10 NG/KG	**DISP:** Scheduled Sacrifice	**HISTO:** 2002287

***** NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 272	**TRT#:** 3	**SEX:** Female	**DAY ON TEST:** 731
	DOSE: 10 NG/KG	**DISP:** Terminal Sacrifice	**HISTO:** 2002288

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Bone Marrow	* Esophagus
Eye	Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Pancreas	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Trachea	* Urinary Bladder

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Mild
* Adrenal Medulla		Angiectasis	Mild
		Hyperplasia	Mild
		Pheochromocytoma Benign	
[Pheochromocytoma Benign TGLS = 2-8]			
* Brain		Granular Cell Tumor Malignant	
* Clitoral Gland	Duct	Cyst	Moderate
		Inflammation	Mild
[Cyst TGLS = 1-10]			
Eye			
Note: Both optic nerves missing.			
* Kidney	Transit Epithe	Hyperplasia	Mild
		Nephropathy	Minimal
* Liver		Basophilic Focus	Multiple
		Fatty Change	Diffuse, Minimal
	Hepatocyte	Hypertrophy	Mild
		Inflammation	Mild
		Mixed Cell Focus	Multiple
	Hepatocyte	Multinucleated	Mild
		Pigmentation	Mild
[Mixed Cell Focus TGLS = 3,5-6+7]			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 272	**TRT#:** 3	**SEX:** Female	**DAY ON TEST:** 731
	DOSE: 10 NG/KG	**DISP:** Terminal Sacrifice	**HISTO:** 2002288

ORGAN AND ACCOUNTABLE SITE STATUS

* Lung		Infiltration Cellular	Histiocyte, Mild
	Alveolar Epith	Metaplasia	Bronchiolar, Mild
Note: Left lung frozen for NTP.			
[Infiltration Cellular TGLS = 4-4]			
* Mammary Gland		Hyperplasia	Minimal
Oral Mucosa	Gingival	Hyperplasia	Squamous, Moderate
Note: The hyperplastic squamous epithelium formed a keratin filled cavity near the root of the tooth.			
* Ovary		Atrophy	Marked
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Mild
* Stomach, Glandular		Diverticulum	
[Diverticulum TGLS = 7-11]			
* Thymus		Atrophy	Marked
* Thyroid Gland	Bilateral, C Cell	Adenoma	
	C Cell	Hyperplasia	Mild
[Adenoma TGLS = 6-8]			
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
		Metaplasia	Squamous, Moderate
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 273	**TRT#:** 3	**SEX:** Female	**DAY ON TEST:** 732
	DOSE: 10 NG/KG	**DISP:** Terminal Sacrifice	**HISTO:** 2002289

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
		Atrophy	Mild
		Degeneration	Cystic, Mild
		Hypertrophy	Moderate
Note: One adrenal was small.			
[Atrophy TGLS = 5-8]			
* Bone Marrow		Hyperplasia	Moderate
* Clitoral Gland	Duct	Cyst	Mild
Eye			
Note: One optic nerve missing.			
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Cholangiofibrosis	Minimal
		Eosinophilic Focus	Multiple
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Minimal
* Lung		Infiltration Cellular	Histiocyte, Mild
	Alveolar Epith	Metaplasia	Bronchiolar, Minimal
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Moderate
* Mammary Gland		Fibroadenoma	Multiple
		Hyperplasia	Mild
[Fibroadenoma TGLS = 1,2,3-11+12+13]			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 273	**TRT#:** 3	**SEX:** Female	**DAY ON TEST:** 732
	DOSE: 10 NG/KG	**DISP:** Terminal Sacrifice	**HISTO:** 2002289

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
[Hyperplasia TGLS = 4-8]			
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Mild
* Thymus		Atrophy	Mild
* Thyroid Gland	C Cell	Adenoma	
	C Cell	Hyperplasia	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 274	**TRT#:** 3	**SEX:** Female	**DAY ON TEST:** 348
	DOSE: 10 NG/KG	**DISP:** Natural Death	**HISTO:** 2002290

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Minimal
* Bone Marrow		Hyperplasia	Moderate
* Clitoral Gland	Duct	Cyst	Mild
		Inflammation	Mild
[Cyst TGLS = 1-10]			
Eye			
Note: One optic nerve missing.			
* Kidney		Casts Protein	Minimal
* Liver		Inflammation	Minimal
* Lung		Infiltration Cellular	Histiocyte, Mild
[Infiltration Cellular TGLS = 3-3+4]			
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
[Hyperplasia TGLS = 2-9]			
* Ovary		Atrophy	Marked
* Spleen		Pigmentation	Mild
* Thymus		Atrophy	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
		Inflammation	Suppurative, Mild
		Metaplasia	Squamous, Moderate

PRIMARY CAUSE OF DEATH - UNCERTAIN

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 275	**TRT#:** 3	**SEX:** Female	**DAY ON TEST:** 95
	DOSE: 10 NG/KG	**DISP:** Scheduled Sacrifice	**HISTO:** 2002291

***** NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 276	**TRT#:** 3	**SEX:** Female	**DAY ON TEST:** 94
	DOSE: 10 NG/KG	**DISP:** Scheduled Sacrifice	**HISTO:** 2002292

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
* Adrenal Cortex	* Lung	* Pancreas	* Thymus
* Thyroid Gland			
OBSERVATIONS			
* Liver	Hepatocyte	Hypertrophy	Minimal
		Inflammation	Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 277	**TRT#:** 3	**SEX:** Female	**DAY ON TEST:** 94
	DOSE: 10 NG/KG	**DISP:** Scheduled Sacrifice	**HISTO:** 2002293

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
* Adrenal Cortex	* Lung	Lymph Node	* Pancreas
* Thymus	* Thyroid Gland		
OBSERVATIONS			
* Liver		Inflammation	Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 278	**TRT#:** 3	**SEX:** Female	**DAY ON TEST:** 94
	DOSE: 10 NG/KG	**DISP:** Scheduled Sacrifice	**HISTO:** 2002294

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
* Adrenal Cortex	* Lung	* Pancreas	* Thymus
OBSERVATIONS			
* Liver	Hepatocyte	Hypertrophy	Minimal
		Inflammation	Minimal
* Thyroid Gland	Follicular Cel	Hypertrophy	Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 279	**TRT#:** 3	**SEX:** Female	**DAY ON TEST:** 94
	DOSE: 10 NG/KG	**DISP:** Scheduled Sacrifice	**HISTO:** 2002295

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
* Adrenal Cortex	* Lung	* Pancreas	* Thymus
* Thyroid Gland			
OBSERVATIONS			
* Liver	Hepatocyte	Hypertrophy	Minimal
		Inflammation	Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 280	**TRT#:** 3	**SEX:** Female	**DAY ON TEST:** 94
	DOSE: 10 NG/KG	**DISP:** Scheduled Sacrifice	**HISTO:** 2002296

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
* Lung	* Pancreas	* Thymus	
OBSERVATIONS			
* Adrenal Cortex		Hypertrophy	Minimal
* Liver		Inflammation	Minimal
* Thyroid Gland	Follicular Cel	Hypertrophy	Marked
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 281	**TRT#:** 3	**SEX:** Female	**DAY ON TEST:** 214
	DOSE: 10 NG/KG	**DISP:** Scheduled Sacrifice	**HISTO:** 2002297

***** NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 282	**TRT#:** 3	**SEX:** Female	**DAY ON TEST:** 578
	DOSE: 10 NG/KG	**DISP:** Moribund Sacrifice	**HISTO:** 2002298

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Minimal
* Bone Marrow		Hyperplasia	Mild
* Clitoral Gland	Duct	Cyst	Mild
* Kidney		Nephropathy	Minimal
* Lung		Infiltration Cellular	Histiocyte, Mild
	Alveolar Epith	Metaplasia	Bronchiolar, Minimal
[Infiltration Cellular TGLS = 2-3+4]			
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Mild
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-11]			
* Ovary		Atrophy	Marked
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Minimal
* Thymus		Atrophy	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
		Metaplasia	Squamous, Mild

PRIMARY CAUSE OF DEATH - Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 283	**TRT#:** 3	**SEX:** Female	**DAY ON TEST:** 369
	DOSE: 10 NG/KG	**DISP:** Scheduled Sacrifice	**HISTO:** 2002299

***** NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 284	**TRT#:** 3	**SEX:** Female	**DAY ON TEST:** 733
	DOSE: 10 NG/KG	**DISP:** Terminal Sacrifice	**HISTO:** 2002300

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Bone Marrow	* Esophagus
Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mesenteric	* Nose	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
		Atrophy	Minimal
		Hypertrophy	Minimal
* Adrenal Medulla		Hyperplasia	Minimal
* Brain		Mineralization	Mild
* Clitoral Gland	Duct	Cyst	Mild
		Inflammation	Minimal
[Cyst TGLS = 4-10]			
Eye	Retina	Atrophy	Mild
* Kidney		Nephropathy	Mild
* Liver		Inflammation	Minimal
		Mixed Cell Focus	Multiple
	Hepatocyte	Multinucleated	Minimal
		Pigmentation	Minimal
[Mixed Cell Focus TGLS = 5-6+7]			
* Lung		Infiltration Cellular	Histiocyte, Moderate
	Alveolar Epith	Metaplasia	Bronchiolar, Moderate
[Infiltration Cellular TGLS = 6-3+4]			
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Mild
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Mild
[Fibroadenoma TGLS = 1-11]			
* Ovary		Atrophy	Marked

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 284	**TRT#:** 3	**SEX:** Female	**DAY ON TEST:** 733
	DOSE: 10 NG/KG	**DISP:** Terminal Sacrifice	**HISTO:** 2002300

ORGAN AND ACCOUNTABLE SITE STATUS

		Cyst	Mild
[Cyst TGLS = 3-10]			
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Moderate
[Adenoma TGLS = 2-8]			
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Mild
* Thymus		Atrophy	Mild
* Thyroid Gland	C Cell	Adenoma	
	C Cell	Hyperplasia	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Marked
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 285	**TRT#:** 3	**SEX:** Female	**DAY ON TEST:** 95
	DOSE: 10 NG/KG	**DISP:** Scheduled Sacrifice	**HISTO:** 2002301

***** NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 286	**TRT#:** 3	**SEX:** Female	**DAY ON TEST:** 240
	DOSE: 10 NG/KG	**DISP:** Natural Death	**HISTO:** 2002302

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Clitoral Gland	* Esophagus	Eye	Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Adrenal Cortex		Atrophy	Mild
Note: One adrenal was atrophic.			
* Bone Marrow		Hyperplasia	Moderate
Eye			
Note: One optic nerve missing.			
* Kidney		Nephroblastoma	
[Nephroblastoma TGLS = 1-11]			
* Liver		Inflammation	Minimal
Oral Mucosa	Gingival	Hyperplasia	Squamous, Minimal
* Ovary		Atrophy	Marked

PRIMARY CAUSE OF DEATH - Kidney Nephroblastoma

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 287	**TRT#:** 3	**SEX:** Female	**DAY ON TEST:** 724
	DOSE: 10 NG/KG	**DISP:** Dosing Accident	**HISTO:** 2002303

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Brain	* Clitoral Gland
Eye	Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mesenteric	* Nose	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Mild
		Hypertrophy	Mild
* Adrenal Medulla		Hyperplasia	Moderate
* Bone Marrow		Hyperplasia	Moderate
* Esophagus		Hemorrhage	Marked
Note: The exact laceration was missed but the hemorrhage is evidence of the trauma that occurred.			
[Hemorrhage TGLS = 2-12]			
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Fatty Change	Diffuse, Minimal
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Minimal
		Pigmentation	Minimal
* Lung		Infiltration Cellular	Histiocyte, Mild
	Alveolar Epith	Metaplasia	Bronchiolar, Minimal
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Mild
* Mammary Gland		Hyperplasia	Minimal
* Ovary		Atrophy	Marked
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Mild
[Adenoma TGLS = 3-8]			
* Spleen		Hematopoietic Cell Proliferation	Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 287	**TRT#:** 3	**SEX:** Female	**DAY ON TEST:** 724
	DOSE: 10 NG/KG	**DISP:** Dosing Accident	**HISTO:** 2002303

ORGAN AND ACCOUNTABLE SITE STATUS

		Pigmentation	Minimal
* Thymus		Atrophy	Marked
		Hemorrhage	Moderate
Note: There was hemorrhage in the fat around the thymus.			
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
		Metaplasia	Squamous, Moderate
		Polyp Stromal	
[Polyp Stromal TGLS = 4-13]			
Vagina		Cyst	Mild
Note: TGL 1 was a cystic structure that contained an exudate consisting of a mucinous material, cellular debri and keratin-like material.			
[Cyst TGLS = 1-11]			
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 288	**TRT#:** 3	**SEX:** Female	**DAY ON TEST:** 733
	DOSE: 10 NG/KG	**DISP:** Terminal Sacrifice	**HISTO:** 2002304

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
		Degeneration	Cystic, Moderate
		Hypertrophy	Moderate
* Adrenal Medulla		Hyperplasia	Mild
* Clitoral Gland	Duct	Cyst	Minimal
		Inflammation	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney	Transit Epithe	Hyperplasia	Minimal
		Mineralization	Minimal
		Nephropathy	Minimal
* Liver	Bile Duct	Cyst	Mild
		Eosinophilic Focus	Multiple
		Fatty Change	Diffuse, Minimal
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Minimal
		Mixed Cell Focus	Multiple
	Hepatocyte	Multinucleated	Minimal
		Pigmentation	Mild
[Mixed Cell Focus TGLS = 3-11]			
* Lung		Infiltration Cellular	Histiocyte, Mild
	Alveolar Epith	Metaplasia	Bronchiolar, Mild
[Infiltration Cellular TGLS = 6-3+4]			
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Moderate

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 288	**TRT#:** 3	**SEX:** Female	**DAY ON TEST:** 733
	DOSE: 10 NG/KG	**DISP:** Terminal Sacrifice	**HISTO:** 2002304

ORGAN AND ACCOUNTABLE SITE STATUS

* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 1,2,4,5-12+13+14+15]			
* Ovary		Atrophy	Marked
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Mild
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Minimal
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Adenoma	
	C Cell	Hyperplasia	Moderate
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 289	**TRT#:** 3	**SEX:** Female	**DAY ON TEST:** 717
	DOSE: 10 NG/KG	**DISP:** Moribund Sacrifice	**HISTO:** 2002305

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Thymus

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
		Degeneration	Cystic, Moderate
		Hypertrophy	Marked
		Vacuolization Cytoplasmic	Minimal
* Bone Marrow		Hyperplasia	Moderate
* Clitoral Gland	Duct	Cyst	Mild
		Inflammation	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Minimal
* Liver		Eosinophilic Focus	Multiple
		Fatty Change	Focal, Minimal
	Hepatocyte	Hypertrophy	Minimal
		Mixed Cell Focus	
[Eosinophilic Focus TGLS = 4-6+7]			
* Lung		Infiltration Cellular	Histiocyte, Moderate
	Alveolar Epith	Metaplasia	Bronchiolar, Mild
[Infiltration Cellular TGLS = 3-3+4]			
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Mild
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Minimal
[Fibroadenoma TGLS = 1-11]			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 289	**TRT#:** 3	**SEX:** Female	**DAY ON TEST:** 717
	DOSE: 10 NG/KG	**DISP:** Moribund Sacrifice	**HISTO:** 2002305

ORGAN AND ACCOUNTABLE SITE STATUS

* Ovary		Atrophy	Marked
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Moderate
[Adenoma TGLS = 2-8]			
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Minimal
* Stomach, Forestomach		Hyperplasia	Squamous, Moderate
		Inflammation	Mild
[Hyperplasia TGLS = 5-6]			
[Inflammation TGLS = 5-6]			
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal

PRIMARY CAUSE OF DEATH	- Mammary Gland Fibroadenoma
CONTRIBUTORY CAUSE OF DEATH	- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 290	**TRT#:** 3	**SEX:** Female	**DAY ON TEST:** 236
	DOSE: 10 NG/KG	**DISP:** Dosing Accident	**HISTO:** 2002306

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
Eye	Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Lung
* Lymph Node, Mesenteric	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Minimal
		Vacuolization Cytoplasmic	Minimal
* Bone Marrow		Hyperplasia	Mild
* Clitoral Gland	Duct	Cyst	Minimal
		Inflammation	Minimal
* Esophagus	Periesoph Tiss	Inflammation	Moderate
Note: There was disruption of the wall of the esophagus and suppurative inflammation in tissues around esophagus indicative of a dosing accident.			
[Inflammation TGLS = 3-3]			
Eye			
Note: Both optic nerves missing.			
* Liver		Fatty Change	Diffuse, Minimal
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-11]			
* Ovary		Atrophy	Marked
* Skin		Hemorrhage	Moderate
[Hemorrhage TGLS = 2-12]			
* Spleen		Pigmentation	Minimal
* Thymus		Atrophy	Moderate
* Thyroid Gland		Inflammation	Suppurative, Mild
* Uterus		Metaplasia	Squamous, Moderate

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 291	**TRT#:** 3	**SEX:** Female	**DAY ON TEST:** 213
	DOSE: 10 NG/KG	**DISP:** Scheduled Sacrifice	**HISTO:** 2002307

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
* Adrenal Cortex	* Lung	* Pancreas	* Thyroid Gland
OBSERVATIONS			
* Liver		Inflammation	Minimal
		Pigmentation	Minimal
* Thymus		Atrophy	Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 292	**TRT#:** 3	**SEX:** Female	**DAY ON TEST:** 213
	DOSE: 10 NG/KG	**DISP:** Scheduled Sacrifice	**HISTO:** 2002308

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
* Pancreas	* Thymus		
OBSERVATIONS			
* Adrenal Cortex		Hypertrophy	Minimal
* Liver	Hepatocyte	Hypertrophy	Minimal
		Inflammation	Minimal
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Thyroid Gland	Follicular Cel	Hypertrophy	Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 293	**TRT#:** 3	**SEX:** Female	**DAY ON TEST:** 213
	DOSE: 10 NG/KG	**DISP:** Scheduled Sacrifice	**HISTO:** 2002309

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
* Adrenal Cortex	* Lung	* Pancreas	* Thymus
* Thyroid Gland			
OBSERVATIONS			
* Liver		Inflammation	Minimal
		Mixed Cell Focus	Multiple
		Pigmentation	Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 294	**TRT#:** 3	**SEX:** Female	**DAY ON TEST:** 213
	DOSE: 10 NG/KG	**DISP:** Scheduled Sacrifice	**HISTO:** 2002310

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
* Adrenal Cortex	* Lung	* Pancreas	
OBSERVATIONS			
* Liver	Hepatocyte	Hypertrophy	Minimal
		Inflammation	Minimal
* Thymus		Atrophy	Minimal
* Thyroid Gland	Follicular Cel	Hypertrophy	Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 295	**TRT#:** 3	**SEX:** Female	**DAY ON TEST:** 213
	DOSE: 10 NG/KG	**DISP:** Scheduled Sacrifice	**HISTO:** 2002311

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
* Adrenal Cortex	* Lung	* Pancreas	
OBSERVATIONS			
* Liver	Hepatocyte	Hypertrophy	Minimal
		Inflammation	Minimal
		Pigmentation	Minimal
* Thymus		Atrophy	Minimal
* Thyroid Gland	Follicular Cel	Hypertrophy	Moderate
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 296	**TRT#:** 3	**SEX:** Female	**DAY ON TEST:** 635
	DOSE: 10 NG/KG	**DISP:** Moribund Sacrifice	**HISTO:** 2002312

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Bone Marrow	* Esophagus
Eye	Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric	* Nose
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Mild
		Vacuolization Cytoplasmic	Minimal
* Adrenal Medulla		Hyperplasia	Moderate
* Brain		Hydrocephalus	Mild
* Clitoral Gland	Duct	Cyst	Moderate
		Inflammation	Moderate
[Cyst TGLS = 2-10]			
Eye			
Note: One optic nerve missing.			
* Kidney		Nephropathy	Minimal
* Liver		Eosinophilic Focus	Multiple
	Hepatocyte	Hypertrophy	Minimal
		Inflammation	Minimal
	Hepatocyte	Multinucleated	Minimal
		Pigmentation	Mild
* Lung		Infiltration Cellular	Histiocyte, Mild
	Alveolar Epith	Metaplasia	Bronchiolar, Mild
[Infiltration Cellular TGLS = 4-3+4]			
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Mild
* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 1,3-11+12]			
* Ovary		Atrophy	Marked

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 296	**TRT#:** 3	**SEX:** Female	**DAY ON TEST:** 635
	DOSE: 10 NG/KG	**DISP:** Moribund Sacrifice	**HISTO:** 2002312

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Moderate
[Adenoma TGLS = 5-8]			
* Spleen		Pigmentation	Moderate
* Thymus		Atrophy	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal

PRIMARY CAUSE OF DEATH	- Mammary Gland Fibroadenoma
CONTRIBUTORY CAUSE OF DEATH	- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 297	**TRT#:** 3	**SEX:** Female	**DAY ON TEST:** 659
	DOSE: 10 NG/KG	**DISP:** Moribund Sacrifice	**HISTO:** 2002313

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Esophagus	Eye
Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mesenteric	* Nose	* Parathyroid Gland	* Salivary Glands
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder

MISSING

* Pituitary Gland

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Minimal
* Adrenal Medulla		Hyperplasia	Moderate
* Bone Marrow		Hyperplasia	Marked
* Brain		Vacuolization Cytoplasmic	Focal, Minimal
* Clitoral Gland	Duct	Cyst	Mild
		Inflammation	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Inflammation	Minimal
	Hepatocyte	Multinucleated	Minimal
		Pigmentation	Mild
* Lung		Infiltration Cellular	Histiocyte, Mild
	Alveolar Epith	Metaplasia	Bronchiolar, Minimal
[Infiltration Cellular TGLS = 3-3+4]			
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Moderate
* Mammary Gland		Carcinoma	
		Hyperplasia	Mild
[Carcinoma TGLS = 1-11]			
Oral Mucosa	Gingival	Hyperplasia	Squamous, Mild
* Ovary		Atrophy	Marked
		Cyst	Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 297	**TRT#:** 3	**SEX:** Female	**DAY ON TEST:** 659
	DOSE: 10 NG/KG	**DISP:** Moribund Sacrifice	**HISTO:** 2002313

ORGAN AND ACCOUNTABLE SITE STATUS

* Pancreas	Acinus	Atrophy	Minimal
* Skin		Basal Cell Carcinoma	
Note: Two adjacent tumors were found in the inguinal area; a mammary and a basal cell tumor. The latter tumor exhibited sebaceous and squamous differentiation.			
[Basal Cell Carcinoma TGLS = 1-11]			
* Spleen		Hematopoietic Cell Proliferation	Moderate
[Hematopoietic Cell Proliferation TGLS = 2-5]			
* Thymus		Atrophy	Mild
* Thyroid Gland	C Cell	Hyperplasia	Mild
Tooth	Peridont Tiss	Inflammation	Moderate
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal

PRIMARY CAUSE OF DEATH	- Mammary Gland Carcinoma
CONTRIBUTORY CAUSE OF DEATH	- Skin Basal Cell Carcinoma

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 298	**TRT#:** 3	**SEX:** Female	**DAY ON TEST:** 214
	DOSE: 10 NG/KG	**DISP:** Scheduled Sacrifice	**HISTO:** 2002314

***** NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 301	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 731
	DOSE: 22 NG/KG	**DISP:** Terminal Sacrifice	**HISTO:** 2002315

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Esophagus	Eye	Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Mild
		Hypertrophy	Mild
* Clitoral Gland	Duct	Cyst	Minimal
		Inflammation	Minimal
Eye			
Note: One optic nerve missing.			
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Minimal
		Nephropathy	Mild
* Liver		Clear Cell Focus	Multiple
		Fatty Change	Diffuse, Mild
	Hepatocyte	Hypertrophy	Minimal
		Inflammation	Mild
		Mixed Cell Focus	Multiple
		Pigmentation	Mild
		Toxic Hepatopathy	Minimal
[Clear Cell Focus TGLS = 2-6+7]			
[Mixed Cell Focus TGLS = 2-6+7]			
* Lung		Infiltration Cellular	Histiocyte, Mild
	Alveolar Epith	Metaplasia	Bronchiolar, Mild
Note: Left lung frozen for NTP.			
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 301	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 731
	DOSE: 22 NG/KG	**DISP:** Terminal Sacrifice	**HISTO:** 2002315

ORGAN AND ACCOUNTABLE SITE STATUS

* Mammary Gland		Fibroadenoma	
		Hyperplasia	Minimal
[Fibroadenoma TGLS = 1-11]			
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Mild
* Thymus		Atrophy	Moderate
* Thyroid Gland	Follicular Cel	Hypertrophy	Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 302	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 731
	DOSE: 22 NG/KG	**DISP:** Terminal Sacrifice	**HISTO:** 2002316

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adren Medulla			
Note: One medulla missing.			
* Adrenal Cortex		Angiectasis	Mild
		Hypertrophy	Mild
		Vacuolization Cytoplasmic	Minimal
* Clitoral Gland	Duct	Cyst	Moderate
		Inflammation	Moderate
[Cyst TGLS = 2-10]			
Eye			
Note: One optic nerve missing.			
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Fatty Change	Diffuse, Minimal
	Hepatocyte	Hypertrophy	Minimal
		Inflammation	Mild
		Mixed Cell Focus	Multiple
	Hepatocyte	Multinucleated	Minimal
		Pigmentation	Mild
		Toxic Hepatopathy	Minimal
* Lung		Infiltration Cellular	Histiocyte, Mild
	Alveolar Epith	Metaplasia	Bronchiolar, Mild
Note: Left lung frozen for NTP.			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 302	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 731
	DOSE: 22 NG/KG	**DISP:** Terminal Sacrifice	**HISTO:** 2002316

ORGAN AND ACCOUNTABLE SITE STATUS

* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-11]			
* Nose	Septum, Turbinate	Inflammation	Mild
* Ovary		Atrophy	Marked
		Cyst	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Mild
* Thymus		Atrophy	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 303	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 615
	DOSE: 22 NG/KG	**DISP:** Natural Death	**HISTO:** 2002317

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Moderate
		Hyperplasia	Moderate
* Bone Marrow		Hyperplasia	Moderate
* Clitoral Gland	Duct	Cyst	Minimal
		Inflammation	Minimal
Eye			
Note: One optic nerve missing.			
* Kidney		Calculus Micro Observation Only	
		Inflammation	Chronic Active, Mild
		Mineralization	Minimal
* Liver		Eosinophilic Focus	Multiple
		Fatty Change	Diffuse, Mild
	Hepatocyte	Hypertrophy	Mild
		Inflammation	Minimal
	Hepatocyte	Multinucleated	Minimal
		Pigmentation	Minimal
		Toxic Hepatopathy	Minimal
[Eosinophilic Focus TGLS = 1-6+7+11]			
* Lung		Infiltration Cellular	Histiocyte, Mild
	Alveolar Epith	Metaplasia	Bronchiolar, Minimal
[Infiltration Cellular TGLS = 2-3+4]			
* Mammary Gland		Fibroadenoma	Multiple

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 303	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 615
	DOSE: 22 NG/KG	**DISP:** Natural Death	**HISTO:** 2002317

ORGAN AND ACCOUNTABLE SITE STATUS

[Fibroadenoma TGLS = 3-12]			
Oral Mucosa	Gingival	Hyperplasia	Squamous, Mild
Note: The hyperplastic squamous epithelium formed a cyst-like cavity that contained some hair.			
* Ovary		Atrophy	Marked
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Minimal
* Thymus		Atrophy	Moderate
* Thyroid Gland	Follicular Cel	Hypertrophy	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal
PRIMARY CAUSE OF DEATH	- Mammary Gland Fibroadenoma		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 304	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 453
	DOSE: 22 NG/KG	**DISP:** Moribund Sacrifice	**HISTO:** 2002318

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
		Hypertrophy	Minimal
* Bone Marrow		Hyperplasia	Marked
* Clitoral Gland	Duct	Cyst	Minimal
* Kidney	Transit Epithe	Hyperplasia	Minimal
		Mineralization	Minimal
* Liver		Eosinophilic Focus	
		Inflammation	Mild
		Pigmentation	Minimal
* Lung		Infiltration Cellular	Histiocyte, Mild
	Alveolar Epith	Metaplasia	Bronchiolar, Minimal
[Infiltration Cellular TGLS = 6-3+4]			
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Mild
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 4-11]			
* Ovary		Cyst	Moderate
[Cyst TGLS = 1-10]			
* Pituitary Gland		Angiectasis	Mild
	Pars Distalis	Hyperplasia	Moderate
* Skin		Schwannoma Malignant	

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 304	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 453
	DOSE: 22 NG/KG	**DISP:** Moribund Sacrifice	**HISTO:** 2002318

ORGAN AND ACCOUNTABLE SITE STATUS

[Schwannoma Malignant TGLS = 2-12]		
* Spleen	Hematopoietic Cell Proliferation	Moderate
	Pigmentation	Minimal
[Hematopoietic Cell Proliferation TGLS = 5-5]		
* Uterus	Metaplasia	Squamous, Moderate
Vagina	Schwannoma Malignant	Metastatic (Skin)
[Schwannoma Malignant TGLS = 3-13]		

PRIMARY CAUSE OF DEATH - Skin Schwannoma Malignant

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 305	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 731
	DOSE: 22 NG/KG	**DISP:** Terminal Sacrifice	**HISTO:** 2002319

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
		Hyperplasia	Minimal
		Hypertrophy	Mild
		Vacuolization Cytoplasmic	Mild
* Bone Marrow		Hyperplasia	Moderate
* Clitoral Gland	Duct	Cyst	Mild
		Inflammation	Mild
Eye			
Note: Both optic nerves missing.			
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Eosinophilic Focus	
		Fatty Change	Diffuse, Minimal
	Oval Cell	Hyperplasia	Minimal
		Hyperplasia	Nodular
	Hepatocyte	Hypertrophy	Minimal
		Inflammation	Mild
		Mixed Cell Focus	Multiple
	Hepatocyte	Multinucleated	Minimal
		Pigmentation	Mild
[Hyperplasia TGLS = 2-11]			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 305	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 731
	DOSE: 22 NG/KG	**DISP:** Terminal Sacrifice	**HISTO:** 2002319

ORGAN AND ACCOUNTABLE SITE STATUS

* Lung		Infiltration Cellular	Histiocyte, Minimal
	Alveolar Epith	Metaplasia	Bronchiolar, Minimal
Note: Left lung frozen for NTP.			
* Mammary Gland		Hyperplasia	Minimal
* Ovary		Atrophy	Marked
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Mild
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Adenoma	
	C Cell	Hyperplasia	Mild
* Uterus		Carcinoma	Multiple
	Endometrium	Hyperplasia	Cystic, Mild
	Epithelium	Hyperplasia	Moderate
		Inflammation	Suppurative, Moderate
[Carcinoma TGLS = 1-11]			
[Hyperplasia TGLS = 1-11]			

PRIMARY CAUSE OF DEATH	-

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 306	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 485
	DOSE: 22 NG/KG	**DISP:** Moribund Sacrifice	**HISTO:** 2002320

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Bone Marrow		Hyperplasia	Moderate
* Clitoral Gland		Inflammation	Minimal
Eye			
Note: Both optic nerves missing.			
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Eosinophilic Focus	Multiple
	Bile Duct	Hyperplasia	Minimal
	Hepatocyte	Hypertrophy	Moderate
		Inflammation	Minimal
		Mixed Cell Focus	Multiple
	Hepatocyte	Multinucleated	Minimal
		Pigmentation	Minimal
		Toxic Hepatopathy	Minimal
[Hypertrophy TGLS = 3-6+7]			
* Lung		Inflammation	Granulomatous, Minimal
* Mammary Gland		Cyst	Moderate
		Fibroadenoma	
[Cyst TGLS = 4-12]			
[Fibroadenoma TGLS = 1-11]			
* Ovary		Atrophy	Moderate

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 306	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 485
	DOSE: 22 NG/KG	**DISP:** Moribund Sacrifice	**HISTO:** 2002320

ORGAN AND ACCOUNTABLE SITE STATUS

		Cyst	Mild
[Cyst TGLS = 2-10]			
* Pituitary Gland		Cytoplasmic Alteration	Mild
* Spleen		Hematopoietic Cell Proliferation	Moderate
		Pigmentation	Minimal
* Stomach, Forestomach		Hyperkeratosis	Moderate
		Hyperplasia	Squamous, Mild
		Ulcer	Minimal
* Thymus		Atrophy	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal
		Metaplasia	Squamous, Mild
PRIMARY CAUSE OF DEATH	- Mammary Gland Fibroadenoma		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 307	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 338
	DOSE: 22 NG/KG	**DISP:** Moribund Sacrifice	**HISTO:** 2002321

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Esophagus	Eye	Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Minimal
		Vacuolization Cytoplasmic	Mild
* Bone Marrow		Hyperplasia	Moderate
* Clitoral Gland	Duct	Cyst	Minimal
* Kidney		Mineralization	Minimal
		Nephropathy	Mild
* Liver		Fatty Change	Diffuse, Mild
	Hepatocyte	Hypertrophy	Minimal
		Inflammation	Mild
		Pigmentation	Minimal
* Mammary Gland		Carcinoma	
[Carcinoma TGLS = 1-11]			
* Ovary		Atrophy	Marked
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Mild
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Adenoma	
Tooth	Peridont Tiss	Inflammation	Mild

PRIMARY CAUSE OF DEATH - Mammary Gland Carcinoma

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 308	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 214
	DOSE: 22 NG/KG	**DISP:** Scheduled Sacrifice	**HISTO:** 2002322

***** NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 309	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 545
	DOSE: 22 NG/KG	**DISP:** Natural Death	**HISTO:** 2002323

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Bone Marrow		Hyperplasia	Moderate
* Clitoral Gland		Inflammation	Minimal
Eye			
Note: One optic nerve missing.			
* Liver		Eosinophilic Focus	
		Fatty Change	Diffuse, Minimal
		Inflammation	Minimal
		Necrosis	Mild
		Pigmentation	Mild
* Lung		Infiltration Cellular	Histiocyte, Mild
	Alveolar Epith	Metaplasia	Bronchiolar, Minimal
[Infiltration Cellular TGLS = 3-3+4]			
Oral Mucosa	Gingival	Hyperplasia	Squamous, Moderate
* Ovary		Atrophy	Marked
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Mild
[Adenoma TGLS = 2-8]			
* Spleen		Pigmentation	Mild
* Thymus		Atrophy	Marked

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 309	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 545
	DOSE: 22 NG/KG	**DISP:** Natural Death	**HISTO:** 2002323

ORGAN AND ACCOUNTABLE SITE STATUS

Tooth	Peridont Tiss	Inflammation	Moderate
* Uterus		Inflammation	Suppurative, Moderate

Note: The wall of the uterus was infiltrated with inflammatory cells and the gross description would indicate it contained an exudate lost in processing.
[Inflammation TGLS = 1-10]

PRIMARY CAUSE OF DEATH - Uterus Inflammation

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 310	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 95
	DOSE: 22 NG/KG	**DISP:** Scheduled Sacrifice	**HISTO:** 2002324

***** NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 311	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 380
	DOSE: 22 NG/KG	**DISP:** Moribund Sacrifice	**HISTO:** 2002325

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Thymus

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Minimal
* Bone	Cranium	Schwannoma Malignant	Metastatic (Skin)
* Clitoral Gland	Duct	Cyst	Mild
Eye			
Note: One optic nerve missing.			
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Eosinophilic Focus	
	Oval Cell	Hyperplasia	Minimal
	Hepatocyte	Hypertrophy	Minimal
		Inflammation	Minimal
		Pigmentation	Minimal
* Lung		Infiltration Cellular	Histiocyte, Minimal
	Alveolar Epith	Metaplasia	Bronchiolar, Minimal
* Ovary		Atrophy	Marked
* Pituitary Gland		Meningioma Malignant	Metastatic (Brain)
* Skin		Schwannoma Malignant	
[Schwannoma Malignant TGLS = 2-11]			
* Spleen		Pigmentation	Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 311	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 380
	DOSE: 22 NG/KG	**DISP:** Moribund Sacrifice	**HISTO:** 2002325

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland	C Cell	Hyperplasia	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal
		Metaplasia	Squamous, Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 312	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 732
	DOSE: 22 NG/KG	**DISP:** Terminal Sacrifice	**HISTO:** 2002326

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
		Degeneration	Cystic, Mild
		Hyperplasia	Moderate
		Hypertrophy	Mild
* Clitoral Gland	Duct	Cyst	Minimal
Eye			
Note: Both optic nerves missing.			
* Heart		Cardiomyopathy	Minimal
* Kidney	Transit Epithe	Hyperplasia	Minimal
		Mineralization	Minimal
		Nephropathy	Minimal
* Liver	Bile Duct	Hyperplasia	Minimal
	Oval Cell	Hyperplasia	Minimal
	Hepatocyte	Hypertrophy	Minimal
		Inflammation	Minimal
		Mixed Cell Focus	Multiple
	Hepatocyte	Multinucleated	Minimal
		Pigmentation	Mild
		Toxic Hepatopathy	Minimal
* Lung		Infiltration Cellular	Histiocyte, Mild
	Alveolar Epith	Metaplasia	Bronchiolar, Mild
[Infiltration Cellular TGLS = 2-3+4]			
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 312	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 732
	DOSE: 22 NG/KG	**DISP:** Terminal Sacrifice	**HISTO:** 2002326

ORGAN AND ACCOUNTABLE SITE STATUS

* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 1-11]			
* Ovary		Atrophy	Marked
* Pancreas	Acinus	Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Mild
[Adenoma TGLS = 3-8]			
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Mild
* Thymus		Atrophy	Mild
* Thyroid Gland	Follicular Cel	Hypertrophy	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
		Metaplasia	Squamous, Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 313	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 214
	DOSE: 22 NG/KG	**DISP:** Scheduled Sacrifice	**HISTO:** 2002327

***** NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 314	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 417
	DOSE: 22 NG/KG	**DISP:** Natural Death	**HISTO:** 2002328

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Bone Marrow		Hyperplasia	Moderate
* Clitoral Gland	Duct	Cyst	Minimal
		Inflammation	Minimal
Eye			
Note: Both optic nerves missing.			
* Kidney		Mineralization	Minimal
* Liver	Hepatocyte	Hypertrophy	Minimal
		Inflammation	Minimal
		Necrosis	Mild
		Pigmentation	Minimal
* Ovary		Atrophy	Marked
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Minimal
* Thymus		Atrophy	Mild
* Uterus		Metaplasia	Squamous, Minimal

PRIMARY CAUSE OF DEATH - Liver Necrosis

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 315	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 369
	DOSE: 22 NG/KG	**DISP:** Scheduled Sacrifice	**HISTO:** 2002329

***** NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 316	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 675
	DOSE: 22 NG/KG	**DISP:** Moribund Sacrifice	**HISTO:** 2002330

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
		Degeneration	Cystic, Mild
		Hyperplasia	Mild
		Hypertrophy	Marked
		Vacuolization Cytoplasmic	Mild
* Bone Marrow		Hyperplasia	Moderate
* Clitoral Gland	Duct	Cyst	Moderate
		Inflammation	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Eosinophilic Focus	Multiple
	Hepatocyte	Hypertrophy	Minimal
		Inflammation	Minimal
		Mixed Cell Focus	Multiple
	Hepatocyte	Multinucleated	Minimal
		Pigmentation	Mild
[Mixed Cell Focus TGLS = 2-11]			
* Lung		Infiltration Cellular	Histiocyte, Mild
	Alveolar Epith	Metaplasia	Bronchiolar, Minimal
[Infiltration Cellular TGLS = 3-3+4]			
* Mammary Gland		Carcinoma	
[Carcinoma TGLS = 1-12]			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 316	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 675
	DOSE: 22 NG/KG	**DISP:** Moribund Sacrifice	**HISTO:** 2002330

ORGAN AND ACCOUNTABLE SITE STATUS

* Ovary		Atrophy	Marked
* Parathyroid Gland		Adenoma	
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Minimal
* Stomach, Glandular		Mineralization	Mild
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus		Metaplasia	Squamous, Minimal

PRIMARY CAUSE OF DEATH - Mammary Gland Carcinoma

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 317	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 373
	DOSE: 22 NG/KG	**DISP:** Natural Death	**HISTO:** 2002331

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Esophagus	Eye	Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric
* Mammary Gland	* Ovary	* Pancreas	* Pituitary Gland
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Lymph Node, Mandibular	* Parathyroid Gland	* Salivary Glands	* Thyroid Gland

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Minimal
* Bone Marrow		Hyperplasia	Moderate
* Clitoral Gland		Inflammation	Minimal
Eye			
Note: Both optic nerves missing.			
* Kidney		Nephropathy	Mild
* Liver	Hepatocyte	Hypertrophy	Minimal
		Inflammation	Minimal
	Hepatocyte	Multinucleated	Minimal
		Necrosis	Mild
		Pigmentation	Minimal
* Lung		Inflammation	Suppurative, Minimal
[Inflammation TGLS = 1-3+4]			
* Mammary Gl			
Note: The tumor observed clinically was cannibalized so it could not be evaluated.			
* Nose	Respirat Epith	Hyperplasia	Moderate
		Inflammation	Mild
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Minimal

PRIMARY CAUSE OF DEATH - UNCERTAIN

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 317	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 373
	DOSE: 22 NG/KG	**DISP:** Natural Death	**HISTO:** 2002331

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 318	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 406
	DOSE: 22 NG/KG	**DISP:** Natural Death	**HISTO:** 2002332

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Minimal
* Adrenal Medulla		Hyperplasia	Mild
* Bone Marrow		Hyperplasia	Moderate
* Clitoral Gland	Duct	Cyst	Mild
		Inflammation	Mild
* Liver	Bile Duct	Hyperplasia	Mild
	Hepatocyte	Hypertrophy	Minimal
		Inflammation	Minimal
		Pigmentation	Minimal
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Mild
[Hyperplasia TGLS = 1-9]			
* Ovary		Atrophy	Marked
		Cyst	Mild
[Cyst TGLS = 3-10]			
* Spleen		Pigmentation	Minimal
* Thymus		Atrophy	Mild
* Uterus		Metaplasia	Squamous, Moderate

Note: The uterus was lined with squamous epithelium and appeared to be dilated with a keratin-like material.
[Metaplasia TGLS = 2-10]

PRIMARY CAUSE OF DEATH - UNCERTAIN

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 319	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 626
	DOSE: 22 NG/KG	**DISP:** Moribund Sacrifice	**HISTO:** 2002333

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex		Adenoma	
		Atrophy	Moderate
		Vacuolization Cytoplasmic	Moderate
Note: One adrenal atrophic.			
[Adenoma TGLS = 7-8]			
[Atrophy TGLS = 8-8]			
* Bone Marrow		Hyperplasia	Moderate
* Clitoral Gland	Duct	Cyst	Moderate
[Cyst TGLS = 1-10]			
Eye			
Note: One optic nerve missing.			
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
Note: Changes in the convoluted tubules were considered an artifact.			
* Liver		Eosinophilic Focus	Multiple
		Fatty Change	Diffuse, Mild
	Bile Duct	Hyperplasia	Minimal
	Oval Cell	Hyperplasia	Mild
	Hepatocyte	Hypertrophy	Minimal
		Inflammation	Minimal
	Hepatocyte	Multinucleated	Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 319	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 626
	DOSE: 22 NG/KG	**DISP:** Moribund Sacrifice	**HISTO:** 2002333

ORGAN AND ACCOUNTABLE SITE STATUS

		Necrosis	Mild
		Pigmentation	Mild
		Toxic Hepatopathy	Mild
* Lung		Infiltration Cellular	Histiocyte, Mild
	Alveolar Epith	Metaplasia	Bronchiolar, Mild
[Infiltration Cellular TGLS = 12-3+4]			
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Mild
* Mammary Gland		Fibroadenoma	Multiple
		Hyperplasia	Mild
Note: One of the fibroadenomas (slide 14) was cystic.			
[Fibroadenoma TGLS = 2,3,4,5,10-11+12+13+14+15]			
* Ovary		Atrophy	Marked
		Cyst	Mild
[Cyst TGLS = 9-10]			
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Mild
[Adenoma TGLS = 13-8]			
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Mild
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Adenoma	
		Cyst	Mild
Note: Only one thyroid was affected.			
[Adenoma TGLS = 11-8]			
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate
		Polyp Stromal	Multiple
[Hyperplasia TGLS = 6-16]			

PRIMARY CAUSE OF DEATH - Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 320	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 626
	DOSE: 22 NG/KG	**DISP:** Moribund Sacrifice	**HISTO:** 2002334

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Brain	* Esophagus
Eye	Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Lymph Node, Mesenteric	* Nose
* Pancreas	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Minimal
		Hyperplasia	Mild
		Hypertrophy	Mild
		Vacuolization Cytoplasmic	Minimal
* Adrenal Medulla		Inflammation	Suppurative, Mild
[Inflammation TGLS = 5-8]			
* Bone Marrow		Hyperplasia	Marked
* Clitoral Gland		Inflammation	Minimal
* Heart		Cardiomyopathy	Minimal
* Liver		Basophilic Focus	
	Hepatocyte	Hypertrophy	Moderate
		Pigmentation	Minimal
* Lung		Infiltration Cellular	Histiocyte, Minimal
[Infiltration Cellular TGLS = 6-3+4]			
Lymph Node	Deep Cervical	Hemorrhage	Moderate
[Hemorrhage TGLS = 4-13]			
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Moderate
[Hyperplasia TGLS = 3-9]			
* Mammary Gland		Fibroadenoma	Multiple
		Hyperplasia	Minimal
[Fibroadenoma TGLS = 1,2-11+12]			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 320	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 626
	DOSE: 22 NG/KG	**DISP:** Moribund Sacrifice	**HISTO:** 2002334

ORGAN AND ACCOUNTABLE SITE STATUS

Oral Mucosa	Gingival	Hyperplasia	Squamous, Minimal
Note: The hyperplastic squamous epithelium formed a small cavity that contained hair.			
* Ovary		Atrophy	Marked
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Salivary Glands		Atrophy	Moderate
		Inflammation	Mild
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Minimal
* Thymus		Atrophy	Moderate
PRIMARY CAUSE OF DEATH	- Mammary Gland Fibroadenoma		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 321	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 213
	DOSE: 22 NG/KG	**DISP:** Scheduled Sacrifice	**HISTO:** 2002335

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
* Adrenal Cortex	* Lung	* Pancreas	* Thyroid Gland
OBSERVATIONS			
* Liver		Inflammation	Mild
		Pigmentation	Minimal
* Thymus		Atrophy	Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 322	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 213
	DOSE: 22 NG/KG	**DISP:** Scheduled Sacrifice	**HISTO:** 2002336

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
* Adrenal Cortex	* Lung	* Pancreas	* Thymus
* Thyroid Gland			
OBSERVATIONS			
* Liver	Hepatocyte	Hypertrophy	Minimal
		Inflammation	Minimal
		Mixed Cell Focus	
		Pigmentation	Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 323	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 213
	DOSE: 22 NG/KG	**DISP:** Scheduled Sacrifice	**HISTO:** 2002337

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
* Lung	* Pancreas	Pleura	* Thyroid Gland
OBSERVATIONS			
* Adrenal Cortex		Necrosis	Minimal
* Liver	Hepatocyte	Hypertrophy	Minimal
		Inflammation	Mild
		Mixed Cell Focus	
		Pigmentation	Minimal
* Thymus		Atrophy	Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 324	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 213
	DOSE: 22 NG/KG	**DISP:** Scheduled Sacrifice	**HISTO:** 2002338

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
* Lung	* Pancreas	* Thymus	* Thyroid Gland
OBSERVATIONS			
* Adrenal Cortex		Hyperplasia	Mild
* Liver		Inflammation	Mild
		Pigmentation	Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 325	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 213
	DOSE: 22 NG/KG	**DISP:** Scheduled Sacrifice	**HISTO:** 2002339

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
* Adrenal Cortex	* Lung	* Pancreas	* Thyroid Gland
OBSERVATIONS			
* Liver	Hepatocyte	Hypertrophy	Minimal
		Inflammation	Minimal
* Thymus		Atrophy	Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 326	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 731
	DOSE: 22 NG/KG	**DISP:** Terminal Sacrifice	**HISTO:** 2002340

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
		Degeneration	Cystic, Minimal
		Hyperplasia	Moderate
		Hypertrophy	Moderate
		Vacuolization Cytoplasmic	Minimal
* Clitoral Gland	Duct	Cyst	Minimal
		Inflammation	Mild
* Kidney	Transit Epithe	Hyperplasia	Minimal
		Nephropathy	Mild
* Liver		Basophilic Focus	
		Eosinophilic Focus	Multiple
	Bile Duct	Hyperplasia	Minimal
	Hepatocyte	Hypertrophy	Mild
		Inflammation	Minimal
		Mixed Cell Focus	Multiple
		Pigmentation	Mild
		Toxic Hepatopathy	Minimal
[Eosinophilic Focus TGLS = 3-6+7]			
[Mixed Cell Focus TGLS = 3-6+7]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
	Alveolar Epith	Metaplasia	Bronchiolar, Minimal

Note: Left lung frozen for NTP.

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 326	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 731
	DOSE: 22 NG/KG	**DISP:** Terminal Sacrifice	**HISTO:** 2002340

ORGAN AND ACCOUNTABLE SITE STATUS

[Infiltration Cellular TGLS = 5-4]			
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Mild
* Mammary Gland		Fibroadenoma	Multiple
		Hyperplasia	Minimal
Note: One of the fibroadenomas had an area of papillary hyperplasia.			
[Fibroadenoma TGLS = 1,2-11+12]			
* Nose	Respirat Epith, Turbinate	Hyperplasia	Moderate
* Ovary		Atrophy	Marked
		Cyst	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Mild
[Adenoma TGLS = 4-8]			
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Mild
* Thymus		Atrophy	Marked
* Thyroid Gland	Bilateral, C Cell	Adenoma	
	C Cell	Hyperplasia	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
		Metaplasia	Squamous, Mild
		Polyp Stromal	
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 327	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 369
	DOSE: 22 NG/KG	**DISP:** Scheduled Sacrifice	**HISTO:** 2002341

***** NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 328	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 369
	DOSE: 22 NG/KG	**DISP:** Scheduled Sacrifice	**HISTO:** 2002342

***** NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 329	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 607
	DOSE: 22 NG/KG	**DISP:** Moribund Sacrifice	**HISTO:** 2002343

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Moderate
* Adrenal Medulla		Hyperplasia	Mild
* Bone Marrow		Hyperplasia	Moderate
* Clitoral Gland	Duct	Cyst	Mild
Eye	Retina	Atrophy	Mild
Note: One optic nerve missing.			
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Eosinophilic Focus	
		Fatty Change	Diffuse, Minimal
	Hepatocyte	Hypertrophy	Moderate
		Inflammation	Moderate
		Mixed Cell Focus	Multiple
	Hepatocyte	Multinucleated	Minimal
		Pigmentation	Mild
		Toxic Hepatopathy	Minimal
* Lung		Infiltration Cellular	Histiocyte, Mild
		Inflammation	Granulomatous, Minimal
	Alveolar Epith	Metaplasia	Bronchiolar, Mild
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-11]			
* Ovary		Atrophy	Marked
		Cyst	Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 329	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 607
	DOSE: 22 NG/KG	**DISP:** Moribund Sacrifice	**HISTO:** 2002343

ORGAN AND ACCOUNTABLE SITE STATUS

		Inflammation	Chronic Active, Moderate
Note: The inflammation was in the bursa around the ovary.			
[Cyst TGLS = 2-10]			
* Pancreas	Acinus	Atrophy	Mild
		Inflammation	Chronic Active, Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Minimal
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Moderate
	Follicular Cel	Hypertrophy	Minimal
* Uterus		Metaplasia	Squamous, Mild
		Polyp Stromal	
PRIMARY CAUSE OF DEATH	- Mammary Gland Fibroadenoma		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 330	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 389
	DOSE: 22 NG/KG	**DISP:** Natural Death	**HISTO:** 2002344

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Esophagus	Eye	Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Pancreas
* Pituitary Gland	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mandibular	* Parathyroid Gland	* Salivary Glands

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Minimal
* Bone Marrow		Hyperplasia	Moderate
* Clitoral Gland	Duct	Cyst	Mild
		Inflammation	Minimal
Eye			
Note: One eye and both optic nerves missing.			
* Kidney		Mineralization	Minimal
* Liver	Hepatocyte	Hypertrophy	Minimal
		Inflammation	Minimal
		Pigmentation	Mild
* Ovary		Atrophy	Marked
	Periovarn Tiss	Inflammation	Suppurative, Mild
Note: The cyst was probably a bursal cyst and could not be confirmed microscopically.			
* Spleen		Pigmentation	Mild
* Thymus		Atrophy	Mild
* Thyroid Gl			
Note: One thyroid missing.			
Tooth	Peridont Tiss	Inflammation	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Marked
[Hyperplasia TGLS = 1-11]			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 330	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 389
	DOSE: 22 NG/KG	**DISP:** Natural Death	**HISTO:** 2002344

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH	- UNCERTAIN

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 331	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 626
	DOSE: 22 NG/KG	**DISP:** Moribund Sacrifice	**HISTO:** 2002345

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
		Hypertrophy	Mild
		Necrosis	Moderate
Note: The cortex of one adrenal was necrotic.			
[Necrosis TGLS = 3-8]			
* Adrenal Medulla		Hyperplasia	Minimal
* Bone Marrow		Hyperplasia	Marked
* Clitoral Gland	Duct	Cyst	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Eosinophilic Focus	Multiple
	Bile Duct	Hyperplasia	Minimal
	Oval Cell	Hyperplasia	Minimal
	Hepatocyte	Hypertrophy	Mild
		Inflammation	Mild
		Mixed Cell Focus	Multiple
	Hepatocyte	Multinucleated	Minimal
		Pigmentation	Mild
		Toxic Hepatopathy	Minimal
* Lung		Infiltration Cellular	Histiocyte, Minimal
	Alveolar Epith	Metaplasia	Bronchiolar, Minimal
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 331	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 626
	DOSE: 22 NG/KG	**DISP:** Moribund Sacrifice	**HISTO:** 2002345

ORGAN AND ACCOUNTABLE SITE STATUS

[Fibroadenoma TGLS = 1-11]			
Oral Mucosa	Gingival	Hyperplasia	Squamous, Minimal
* Ovary		Cyst	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Moderate
[Adenoma TGLS = 2-8]			
* Spleen		Hematopoietic Cell Proliferation	Moderate
		Pigmentation	Minimal
* Thymus		Atrophy	Mild
* Thyroid Gland	C Cell	Hyperplasia	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal
PRIMARY CAUSE OF DEATH	- Mammary Gland Fibroadenoma		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 332	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 732
	DOSE: 22 NG/KG	**DISP:** Terminal Sacrifice	**HISTO:** 2002346

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Atrophy	Marked
		Carcinoma	
		Degeneration	Cystic, Marked
		Hypertrophy	Mild
Note: One adrenal atrophic.			
[Atrophy TGLS = 8-8]			
[Carcinoma TGLS = 7-8]			
* Bone Marrow		Hyperplasia	Moderate
* Clitoral Gland		Inflammation	Minimal
Eye			
Note: One optic nerve missing.			
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Minimal
	Oval Cell	Hyperplasia	Minimal
	Hepatocyte	Hypertrophy	Minimal
		Inflammation	Minimal
		Mixed Cell Focus	Multiple
[Mixed Cell Focus TGLS = 5,6-6+7]			
* Lung		Infiltration Cellular	Histiocyte, Moderate

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 332	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 732
	DOSE: 22 NG/KG	**DISP:** Terminal Sacrifice	**HISTO:** 2002346

ORGAN AND ACCOUNTABLE SITE STATUS

	Alveolar Epith	Metaplasia	Bronchiolar, Mild
[Infiltration Cellular TGLS = 9-3+4]			
* Mammary Gland		Fibroadenoma	Multiple
		Hyperplasia	Mild
[Fibroadenoma TGLS = 1,2,3-11+12+13]			
* Ovary		Atrophy	Marked
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Thymus		Atrophy	Marked
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate
		Metaplasia	Squamous, Moderate
		Polyp Stromal	
[Metaplasia TGLS = 4-10]			
Vagina			
Note: One uterine horn was lined with squamous epithelium and dilated.			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 333	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 732
	DOSE: 22 NG/KG	**DISP:** Terminal Sacrifice	**HISTO:** 2002347

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Esophagus	Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Pancreas	* Parathyroid Gland	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Mild
		Thrombosis	Mild
		Vacuolization Cytoplasmic	Minimal
* Clitoral Gland	Duct	Cyst	Mild
[Cyst TGLS = 1-10]			
Eye	Retina	Atrophy	Mild
Note: One optic nerve missing.			
* Heart		Cardiomyopathy	Mild
* Kidney	Transit Epithe	Hyperplasia	Mild
	Pelvis	Inflammation	Minimal
		Inflammation	Suppurative, Moderate
		Mineralization	Minimal
		Necrosis	Moderate
		Nephropathy	Mild
Note: What was diagnosed as a mass at necropsy was inflammation.			
[Inflammation TGLS = 4-11]			
[Necrosis TGLS = 4-11]			
* Liver	Bile Duct	Cyst	Minimal
	Centrilobular	Degeneration	Mild
		Fatty Change	Diffuse, Minimal
	Bile Duct	Hyperplasia	Minimal
	Oval Cell	Hyperplasia	Minimal
	Hepatocyte	Hypertrophy	Moderate

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 333	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 732
	DOSE: 22 NG/KG	**DISP:** Terminal Sacrifice	**HISTO:** 2002347

ORGAN AND ACCOUNTABLE SITE STATUS

		Inflammation	Moderate
		Necrosis	Mild
		Pigmentation	Mild
		Toxic Hepatopathy	Mild
[Degeneration TGLS = 3-6+7]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
	Alveolar Epith	Metaplasia	Bronchiolar, Minimal
[Infiltration Cellular TGLS = 5-3+4]			
* Mammary Gland		Hyperplasia	Minimal
Oral Mucosa	Gingival	Hyperplasia	Squamous, Minimal
Note: Hair was embedded in the hyperplastic squamous epithelium.			
* Ovary		Cyst	Mild
[Cyst TGLS = 7-14]			
* Pituitary Gland		Angiectasis	Mild
	Pars Distalis	Hyperplasia	Moderate
[Hyperplasia TGLS = 6-13]			
* Salivary Glands		Atrophy	Mild
		Inflammation	Mild
* Skin		Fibrosarcoma	
[Fibrosarcoma TGLS = 2-12]			
* Spleen		Hematopoietic Cell Proliferation	Moderate
		Pigmentation	Minimal
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 334	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 731
	DOSE: 22 NG/KG	**DISP:** Terminal Sacrifice	**HISTO:** 2002348

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
		Hyperplasia	Mild
		Hypertrophy	Mild
* Adrenal Medulla		Hyperplasia	Mild
* Clitoral Gland	Duct	Cyst	Mild
		Inflammation	Minimal
* Esophagus	Muscularis	Inflammation	Mild
* Kidney	Transit Epithe	Hyperplasia	Mild
		Mineralization	Minimal
		Nephropathy	Mild
* Liver		Basophilic Focus	
		Eosinophilic Focus	Multiple
		Fatty Change	Focal, Mild
		Inflammation	Mild
		Mixed Cell Focus	Multiple
	Hepatocyte	Multinucleated	Minimal
		Pigmentation	Mild
* Lung		Infiltration Cellular	Histiocyte, Minimal
Note: Left lung frozen for NTP.			
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Mild
* Ovary		Atrophy	Marked
		Inflammation	Suppurative, Marked

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 334	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 731
	DOSE: 22 NG/KG	**DISP:** Terminal Sacrifice	**HISTO:** 2002348

ORGAN AND ACCOUNTABLE SITE STATUS

Note: The gross lesion of cyst was inflammation microscopically.
[Inflammation TGLS = 2-10]

* Pancreas	Acinus	Atrophy	Minimal
	Artery	Inflammation	Chronic Active, Mild
* Pituitary Gland		Angiectasis	Mild
	Pars Distalis	Hyperplasia	Mild
[Hyperplasia TGLS = 1-8]			
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Mild
* Thymus		Atrophy	Marked
Tooth	Peridont Tiss	Inflammation	Minimal
* Uterus		Metaplasia	Squamous, Marked

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 335	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 557
	DOSE: 22 NG/KG	**DISP:** Moribund Sacrifice	**HISTO:** 2002349

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Mild
		Hypertrophy	Moderate
* Bone Marrow		Hyperplasia	Moderate
* Clitoral Gland	Duct	Cyst	Mild
		Inflammation	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Minimal
* Liver	Bile Duct	Cyst	Mild
		Eosinophilic Focus	Multiple
	Hepatocyte	Hypertrophy	Minimal
		Inflammation	Minimal
		Pigmentation	Minimal
* Lung		Infiltration Cellular	Histiocyte, Mild
	Alveolar Epith	Metaplasia	Bronchiolar, Minimal
[Infiltration Cellular TGLS = 4-3+4]			
* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 1,2-11+12]			
* Ovary		Atrophy	Marked
		Cyst	Moderate
[Cyst TGLS = 3-10]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
* Spleen		Hematopoietic Cell Proliferation	Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 335	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 557
	DOSE: 22 NG/KG	**DISP:** Moribund Sacrifice	**HISTO:** 2002349

ORGAN AND ACCOUNTABLE SITE STATUS

		Pigmentation	Minimal
* Thymus		Atrophy	Marked
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate
		Metaplasia	Squamous, Moderate
		Polyp Stromal	

PRIMARY CAUSE OF DEATH - Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 336	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 732
	DOSE: 22 NG/KG	**DISP:** Terminal Sacrifice	**HISTO:** 2002350

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Thymus

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
		Degeneration	Cystic, Mild
		Hyperplasia	Mild
		Hypertrophy	Marked
* Clitoral Gland	Duct	Cyst	Moderate
		Inflammation	Minimal
[Cyst TGLS = 3-10]			
Eye			
Note: One optic nerve missing.			
* Heart		Cardiomyopathy	Mild
* Kidney		Mineralization	Minimal
		Nephropathy	Mild
* Liver		Basophilic Focus	
		Eosinophilic Focus	Multiple
	Bile Duct	Hyperplasia	Minimal
	Oval Cell	Hyperplasia	Minimal
	Hepatocyte	Hypertrophy	Mild
		Inflammation	Minimal
	Hepatocyte	Multinucleated	Minimal
		Pigmentation	Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 336	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 732
	DOSE: 22 NG/KG	**DISP:** Terminal Sacrifice	**HISTO:** 2002350

ORGAN AND ACCOUNTABLE SITE STATUS

		Toxic Hepatopathy	Minimal
[Eosinophilic Focus TGLS = 6,7-6+7+13]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
	Alveolar Epith	Metaplasia	Bronchiolar, Minimal
[Infiltration Cellular TGLS = 5-3]			
* Mammary Gland		Fibroadenoma	Multiple
		Hyperplasia	Minimal
[Fibroadenoma TGLS = 1,2-11+12]			
* Ovary		Atrophy	Marked
		Cyst	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Mild
[Adenoma TGLS = 4-8]			
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Mild
* Thyroid Gland	C Cell	Adenoma	
	C Cell	Hyperplasia	Moderate
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 337	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 416
	DOSE: 22 NG/KG	**DISP:** Natural Death	**HISTO:** 2002351

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Clitoral Gland	* Esophagus	Eye
Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			
OBSERVATIONS			
* Bone Marrow		Hyperplasia	Marked
Eye			
Note: One optic nerve missing.			
* Liver		Eosinophilic Focus	Multiple
		Inflammation	Minimal
* Ovary		Atrophy	Marked
* Spleen		Pigmentation	Mild
* Thyroid Gland	C Cell	Adenoma	
* Uterus		Inflammation	Suppurative, Minimal
		Metaplasia	Squamous, Moderate
PRIMARY CAUSE OF DEATH	- UNCERTAIN		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 338	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 95
	DOSE: 22 NG/KG	**DISP:** Scheduled Sacrifice	**HISTO:** 2002352

***** NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 339	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 53
	DOSE: 22 NG/KG	**DISP:** Natural Death	**HISTO:** 2002353

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Esophagus	Eye	Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Kidney	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Ovary	* Pancreas	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Parathyroid Gland

OBSERVATIONS

* Bone Marrow		Hyperplasia	Moderate
* Clitoral Gland	Duct	Cyst	Moderate
		Inflammation	Minimal
Eye			
Note: One optic nerve missing.			
* Liver		Inflammation	Minimal
* Mammary Gland		Hyperplasia	Minimal
* Spleen		Pigmentation	Mild
Tooth	Peridont Tiss	Inflammation	Mild

PRIMARY CAUSE OF DEATH - UNCERTAIN

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 340	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 592
	DOSE: 22 NG/KG	**DISP:** Natural Death	**HISTO:** 2002354

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Mild
		Vacuolization Cytoplasmic	Minimal
* Bone Marrow		Hyperplasia	Moderate
* Clitoral Gland		Inflammation	Moderate
Eye			
Note: One optic nerve missing.			
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Cholangiocarcinoma	
	Centrilobular	Degeneration	Moderate
		Fatty Change	Diffuse, Minimal
		Hematopoietic Cell Proliferation	Mild
	Hepatocyte	Hypertrophy	Moderate
		Inflammation	Mild
	Hepatocyte	Multinucleated	Minimal
		Pigmentation	Moderate
		Toxic Hepatopathy	Mild
[Cholangiocarcinoma TGLS = 4-12]			
* Lung		Infiltration Cellular	Histiocyte, Moderate
	Alveolar Epith	Metaplasia	Bronchiolar, Mild
[Infiltration Cellular TGLS = 2-3+4]			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 340	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 592
	DOSE: 22 NG/KG	**DISP:** Natural Death	**HISTO:** 2002354

ORGAN AND ACCOUNTABLE SITE STATUS

* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 3-11]			
Oral Mucosa	Gingival	Hyperplasia	Squamous, Minimal
* Ovary		Atrophy	Marked
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Moderate
[Adenoma TGLS = 1-8]			
* Spleen		Hematopoietic Cell Proliferation	Moderate
		Pigmentation	Minimal
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Moderate
Tooth	Peridont Tiss	Inflammation	Minimal
* Uterus		Metaplasia	Squamous, Mild

PRIMARY CAUSE OF DEATH	- Pituitary Gland Pars Distalis Adenoma
CONTRIBUTORY CAUSE OF DEATH	- Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 341	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 731
	DOSE: 22 NG/KG	**DISP:** Terminal Sacrifice	**HISTO:** 2002355

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Bone Marrow	* Brain
* Esophagus	Eye	Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric	* Nose
* Parathyroid Gland	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
		Hyperplasia	Moderate
		Hypertrophy	Mild
		Vacuolization Cytoplasmic	Minimal
* Adrenal Medulla		Pheochromocytoma Benign	
* Clitoral Gland	Duct	Cyst	Mild
Eye			
Note: One optic nerve missing.			
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Moderate
* Liver		Eosinophilic Focus	Multiple
	Bile Duct	Hyperplasia	Minimal
	Oval Cell	Hyperplasia	Minimal
		Hyperplasia	Nodular
	Hepatocyte	Hypertrophy	Minimal
		Inflammation	Minimal
		Mixed Cell Focus	Multiple
	Hepatocyte	Multinucleated	Mild
		Pigmentation	Mild
		Toxic Hepatopathy	Mild
[Hyperplasia TGLS = 3-6]			
[Mixed Cell Focus TGLS = 5-7+12]			
* Lung		Infiltration Cellular	Histiocyte, Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 341	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 731
	DOSE: 22 NG/KG	**DISP:** Terminal Sacrifice	**HISTO:** 2002355

ORGAN AND ACCOUNTABLE SITE STATUS

	Alveolar Epith	Metaplasia	Bronchiolar, Minimal
Note: Left lung frozen for NTP.			
[Infiltration Cellular TGLS = 2-4]			
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Mild
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-11]			
* Ovary		Atrophy	Marked
		Cyst	Mild
* Pancreas	Artery	Inflammation	Chronic Active, Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Mild
		Cytoplasmic Alteration	Minimal
[Adenoma TGLS = 4-8]			
* Salivary Glands		Inflammation	Moderate
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Minimal
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Adenoma	
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate
		Polyp Stromal	
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 342	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 731
	DOSE: 22 NG/KG	**DISP:** Terminal Sacrifice	**HISTO:** 2002356

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Moderate
		Atrophy	Moderate
		Degeneration	Cystic, Moderate
		Hypertrophy	Marked
		Vacuolization Cytoplasmic	Moderate
Note: One adrenal atrophic.			
* Bone Marrow		Hyperplasia	Moderate
* Clitoral Gland	Duct	Cyst	Minimal
		Inflammation	Minimal
Eye	Retina	Atrophy	Moderate
Note: Both optic nerves missing.			
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Eosinophilic Focus	Multiple
		Fatty Change	Focal, Minimal
	Bile Duct	Hyperplasia	Minimal
	Oval Cell	Hyperplasia	Minimal
	Hepatocyte	Hypertrophy	Mild
		Inflammation	Minimal
	Hepatocyte	Multinucleated	Minimal
		Pigmentation	Minimal
		Toxic Hepatopathy	Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 342	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 731
	DOSE: 22 NG/KG	**DISP:** Terminal Sacrifice	**HISTO:** 2002356

ORGAN AND ACCOUNTABLE SITE STATUS

[Eosinophilic Focus TGLS = 3-13]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
Note: Left lung frozen for NTP.			
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Mild
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Moderate
Note: TGL 2 was a hyperplastic mammary gland with multiple cysts present.			
[Fibroadenoma TGLS = 1-11]			
[Hyperplasia TGLS = 2-12]			
* Ovary		Atrophy	Marked
		Congestion	Mild
* Pancreas	Acinus	Vacuolization Cytoplasmic	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Moderate
[Adenoma TGLS = 4-8]			
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Minimal
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Mild
Tooth	Peridont Tiss	Inflammation	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
		Inflammation	Suppurative, Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 343	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 680
	DOSE: 22 NG/KG	**DISP:** Moribund Sacrifice	**HISTO:** 2002357

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Moderate
		Hypertrophy	Marked
* Bone Marrow		Hyperplasia	Moderate
* Clitoral Gland	Duct	Cyst	Marked
[Cyst TGLS = 4-10]			
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver	Centrilobular	Degeneration	Minimal
	Oval Cell	Hyperplasia	Minimal
	Hepatocyte	Hypertrophy	Minimal
		Inflammation	Minimal
	Hepatocyte	Multinucleated	Minimal
		Pigmentation	Mild
		Toxic Hepatopathy	Minimal
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Moderate
* Mammary Gland		Fibroadenoma	Multiple
		Hyperplasia	Minimal
[Fibroadenoma TGLS = 1,2-11+12]			
Oral Mucosa	Gingival	Hyperplasia	Squamous, Mild
Note: A cavity was formed next to the tooth by the hyperplastic epithelium that contained hair shafts.			
* Ovary		Atrophy	Marked

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 343	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 680
	DOSE: 22 NG/KG	**DISP:** Moribund Sacrifice	**HISTO:** 2002357

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland		Angiectasis	Minimal
	Pars Distalis	Hyperplasia	Mild
* Skin		Keratoacanthoma	
[Keratoacanthoma TGLS = 3-13]			
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Minimal
* Thyroid Gland	C Cell	Adenoma	
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH - Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 344	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 369
	DOSE: 22 NG/KG	**DISP:** Scheduled Sacrifice	**HISTO:** 2002358

***** NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 345	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 690
	DOSE: 22 NG/KG	**DISP:** Moribund Sacrifice	**HISTO:** 2002359

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Clitoral Gland	Duct	Cyst	Moderate
		Inflammation	Moderate
Eye			
Note: One optic nerve missing.			
Harderian Gland		Inflammation	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Minimal
		Nephropathy	Mild
* Liver		Basophilic Focus	Multiple
	Centrilobular	Degeneration	Moderate
	Bile Duct	Hyperplasia	Moderate
	Oval Cell	Hyperplasia	Moderate
	Hepatocyte	Hypertrophy	Moderate
	Hepatocyte	Multinucleated	Mild
		Pigmentation	Moderate
		Toxic Hepatopathy	Moderate
* Lung		Infiltration Cellular	Histiocyte, Minimal
	Serosa	Inflammation	Suppurative, Focal, Mild
		Inflammation	Suppurative, Mild
		Necrosis	Mild

[Infiltration Cellular TGLS = 8-3]
[Inflammation TGLS = 7-3]

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 345	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 690
	DOSE: 22 NG/KG	**DISP:** Moribund Sacrifice	**HISTO:** 2002359

ORGAN AND ACCOUNTABLE SITE STATUS

[Inflammation TGLS = 6-4]			
[Necrosis TGLS = 6-4]			
Lymph Node	Mediastinal	Hyperplasia	Plasma Cell, Moderate
[Hyperplasia TGLS = 5-3]			
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Moderate
Mesentery	Fat	Necrosis	Moderate
Note: The mesenteric lesion observed at necropsy, TGL 4. was inflammation and necrosis of the pancreas and surrounding fat.			
[Necrosis TGLS = 4-14]			
* Nose	Nasopharyn Dct	Inflammation	Moderate
	Nasopharyn Dct	Necrosis	Moderate
Note: The inflammation and necrosis affected part of the nasopharyngeal duct and adjacent bones.			
* Pancreas		Inflammation	Acute, Marked
		Necrosis	Moderate
[Inflammation TGLS = 4-14]			
[Necrosis TGLS = 4-14]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Spleen		Hematopoietic Cell Proliferation	Moderate
		Pigmentation	Minimal
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Adenoma	
	C Cell	Hyperplasia	Mild
* Uterus		Inflammation	Suppurative, Marked
		Necrosis	Marked
Note: The uterine, vaginal and mesenteric masses/lesions were areas of inflammation and necrosis.			
[Inflammation TGLS = 1,2-11+12]			
[Necrosis TGLS = 1,2-11+12]			
Vagina		Inflammation	Marked
		Necrosis	Marked
[Inflammation TGLS = 3-13]			
[Necrosis TGLS = 3-13]			

PRIMARY CAUSE OF DEATH - Uterus Necrosis

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 345	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 690
	DOSE: 22 NG/KG	**DISP:** Moribund Sacrifice	**HISTO:** 2002359

ORGAN AND ACCOUNTABLE SITE STATUS

CONTRIBUTORY CAUSE OF DEATH	- Vagina Necrosis

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 346	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 732
	DOSE: 22 NG/KG	**DISP:** Terminal Sacrifice	**HISTO:** 2002360

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
		Degeneration	Cystic, Moderate
		Hypertrophy	Marked
		Vacuolization Cytoplasmic	Mild
[Hypertrophy TGLS = 2-8]			
* Clitoral Gland	Duct	Cyst	Moderate
[Cyst TGLS = 1-10]			
Eye			
Note: One optic nerve missing.			
* Kidney		Nephropathy	Mild
* Liver		Eosinophilic Focus	
		Fatty Change	Diffuse, Minimal
	Hepatocyte	Hypertrophy	Minimal
		Inflammation	Minimal
		Mixed Cell Focus	Multiple
	Hepatocyte	Multinucleated	Mild
		Pigmentation	Mild
[Mixed Cell Focus TGLS = 5-6+7+11]			
* Lung		Infiltration Cellular	Histiocyte, Mild
	Alveolar Epith	Metaplasia	Bronchiolar, Minimal
[Infiltration Cellular TGLS = 3-3+4]			
* Mammary Gland		Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 346	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 732
	DOSE: 22 NG/KG	**DISP:** Terminal Sacrifice	**HISTO:** 2002360

ORGAN AND ACCOUNTABLE SITE STATUS

* Nose		Inflammation	Minimal
* Ovary		Atrophy	Marked
		Cyst	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Minimal
	Pars Distalis	Hyperplasia	Mild
[Adenoma TGLS = 4-8]			
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Mild
* Thymus		Atrophy	Marked
* Uterus	Endometrium	Hyperplasia	Cystic, Marked
		Polyp Stromal	

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 347	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 95
	DOSE: 22 NG/KG	**DISP:** Scheduled Sacrifice	**HISTO:** 2002361

***** NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 348	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 708
	DOSE: 22 NG/KG	**DISP:** Natural Death	**HISTO:** 2002362

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Esophagus	Eye	Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Bone Marrow		Hyperplasia	Moderate
* Clitoral Gland	Duct	Cyst	Moderate
		Inflammation	Mild
Eye			
Note: Both optic nerves missing.			
* Kidney		Mineralization	Minimal
		Nephropathy	Mild
		Stromal Nephroma	
[Stromal Nephroma TGLS = 1-13]			
* Liver		Eosinophilic Focus	Multiple
	Bile Duct	Hyperplasia	Minimal
	Hepatocyte	Hypertrophy	Mild
		Inflammation	Minimal
		Pigmentation	Minimal
		Toxic Hepatopathy	Minimal
[Eosinophilic Focus TGLS = 3-6+7]			
* Lung		Infiltration Cellular	Histiocyte, Mild
	Alveolar Epith	Metaplasia	Bronchiolar, Mild
[Infiltration Cellular TGLS = 5-3+4]			
Lymph Node	Mediastinal	Hemorrhage	Mild
[Hemorrhage TGLS = 4-11]			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 348	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 708
	DOSE: 22 NG/KG	**DISP:** Natural Death	**HISTO:** 2002362

ORGAN AND ACCOUNTABLE SITE STATUS

* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Mild
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Mild
[Fibroadenoma TGLS = 2-12]			
Oral Mucosa	Gingival	Hyperplasia	Squamous, Minimal
* Ovary		Atrophy	Marked
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Mild
* Stomach, Forestomach		Hyperplasia	Squamous, Mild
* Thymus		Atrophy	Moderate
Tooth	Peridont Tiss	Inflammation	Minimal

PRIMARY CAUSE OF DEATH - Kidney Stromal Nephroma

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 349	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 197
	DOSE: 22 NG/KG	**DISP:** Natural Death	**HISTO:** 2002363

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Clitoral Gland	* Esophagus	Eye
Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* 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

* Bone Marrow		Hyperplasia	Moderate
Eye			
Note: One optic nerve missing.			
* Kidney		Nephropathy	Minimal
* Liver	Hepatocyte	Hypertrophy	Minimal
		Inflammation	Minimal
		Pigmentation	Minimal
* Ovary		Atrophy	Marked
* Spleen		Pigmentation	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
		Metaplasia	Squamous, Mild

PRIMARY CAUSE OF DEATH - UNCERTAIN

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 350	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 578
	DOSE: 22 NG/KG	**DISP:** Moribund Sacrifice	**HISTO:** 2002364

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Moderate
		Hyperplasia	Mild
		Hypertrophy	Moderate
* Bone Marrow		Hyperplasia	Moderate
* Clitoral Gland	Duct	Cyst	Minimal
		Inflammation	Moderate
Eye			
Note: One optic nerve missing.			
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Minimal
* Liver		Inflammation	Minimal
		Pigmentation	Mild
* Lung		Infiltration Cellular	Histiocyte, Mild
	Alveolar Epith	Metaplasia	Bronchiolar, Minimal
* Ovary		Atrophy	Marked
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Minimal
* Thymus		Atrophy	Marked
* Uterus		Metaplasia	Squamous, Marked
Note: There was squamous metaplasia of the uterine lining, and a distention of the lumen with keratin-like and proteinaceous materials. [Metaplasia TGLS = 1-11+12]			

PRIMARY CAUSE OF DEATH - Uterus Metaplasia

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 351	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 368
	DOSE: 22 NG/KG	**DISP:** Scheduled Sacrifice	**HISTO:** 2002365

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
* Adrenal Cortex	* Lung	* Pancreas	
OBSERVATIONS			
* Liver		Hepatodiaphragmatic Nodule	
	Hepatocyte	Hypertrophy	Minimal
		Inflammation	Minimal
		Pigmentation	Minimal
[Hepatodiaphragmatic Nodule TGLS = 1-6]			
* Thymus		Atrophy	Mild
* Thyroid Gland	Follicular Cel	Hypertrophy	Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 352	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 368
	DOSE: 22 NG/KG	**DISP:** Scheduled Sacrifice	**HISTO:** 2002366

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
* Pancreas	* Thyroid Gland		
OBSERVATIONS			
* Adrenal Cortex		Degeneration	Cystic, Mild
		Hypertrophy	Minimal
* Liver	Hepatocyte	Hypertrophy	Minimal
		Inflammation	Minimal
		Mixed Cell Focus	
		Pigmentation	Minimal
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Thymus		Atrophy	Moderate
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 353	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 368
	DOSE: 22 NG/KG	**DISP:** Scheduled Sacrifice	**HISTO:** 2002367

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
* Lung	* Pancreas		
OBSERVATIONS			
* Adrenal Cortex		Hypertrophy	Mild
* Liver	Hepatocyte	Hypertrophy	Mild
		Inflammation	Minimal
		Mixed Cell Focus	Multiple
		Pigmentation	Minimal
* Thymus		Atrophy	Mild
* Thyroid Gland	Follicular Cel	Hypertrophy	Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 354	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 368
	DOSE: 22 NG/KG	**DISP:** Scheduled Sacrifice	**HISTO:** 2002368

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
* Lung	* Pancreas	* Thyroid Gland	
OBSERVATIONS			
* Adrenal Cortex		Degeneration	Cystic, Mild
		Hypertrophy	Mild
* Liver	Hepatocyte	Hypertrophy	Minimal
		Inflammation	Mild
		Pigmentation	Minimal
* Thymus		Atrophy	Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 355	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 368
	DOSE: 22 NG/KG	**DISP:** Scheduled Sacrifice	**HISTO:** 2002369

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
* Adrenal Cortex	* Lung	* Pancreas	* Thyroid Gland
OBSERVATIONS			
* Liver	Bile Duct	Hyperplasia	Minimal
	Hepatocyte	Hypertrophy	Mild
		Inflammation	Mild
		Mixed Cell Focus	
		Pigmentation	Minimal
* Thymus		Atrophy	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Marked
[Hyperplasia TGLS = 1-4]			
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 356	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 94
	DOSE: 22 NG/KG	**DISP:** Scheduled Sacrifice	**HISTO:** 2002370

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
* Adrenal Cortex	* Lung	Lymph Node	* Pancreas
* Thymus			
OBSERVATIONS			
* Liver	Hepatocyte	Hypertrophy	Minimal
		Inflammation	Minimal
* Thyroid Gland	Follicular Cel	Hypertrophy	Moderate
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 357	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 94
	DOSE: 22 NG/KG	**DISP:** Scheduled Sacrifice	**HISTO:** 2002371

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
* Adrenal Cortex	* Lung	* Pancreas	* Thymus
* Thyroid Gland			
OBSERVATIONS			
* Liver	Hepatocyte	Hypertrophy	Minimal
		Inflammation	Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 358	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 94
	DOSE: 22 NG/KG	**DISP:** Scheduled Sacrifice	**HISTO:** 2002372

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
* Adrenal Cortex	* Lung	* Pancreas	* Thymus
* Thyroid Gland			
OBSERVATIONS			
* Liver		Inflammation	Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 359	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 94
	DOSE: 22 NG/KG	**DISP:** Scheduled Sacrifice	**HISTO:** 2002373

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
* Adrenal Cortex	* Lung	* Pancreas	* Thymus
* Thyroid Gland			
OBSERVATIONS			
* Liver	Hepatocyte	Hypertrophy	Minimal
		Inflammation	Minimal
		Mixed Cell Focus	
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 360	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 94
	DOSE: 22 NG/KG	**DISP:** Scheduled Sacrifice	**HISTO:** 2002374

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
* Adrenal Cortex	* Lung	* Pancreas	* Thymus
* Thyroid Gland			
OBSERVATIONS			
* Liver	Hepatocyte	Hypertrophy	Minimal
		Inflammation	Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 361	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 462
	DOSE: 22 NG/KG	**DISP:** Natural Death	**HISTO:** 2002375

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Mild
		Hypertrophy	Mild
* Bone Marrow		Hyperplasia	Moderate
* Clitoral Gland	Duct	Cyst	Mild
		Inflammation	Mild
* Kidney		Mineralization	Minimal
* Liver	Hepatocyte	Hypertrophy	Minimal
		Inflammation	Minimal
	Hepatocyte	Multinucleated	Minimal
		Necrosis	Moderate
		Pigmentation	Mild
		Toxic Hepatopathy	Minimal
[Necrosis TGLS = 2-6+7]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Ovary		Atrophy	Marked
Skeletal Muscle		Fibrous Histiocytoma	
[Fibrous Histiocytoma TGLS = 1-11]			
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Minimal
* Thymus		Atrophy	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 361	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 462
	DOSE: 22 NG/KG	**DISP:** Natural Death	**HISTO:** 2002375

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH	- Skeletal Muscle Fibrous Histiocytoma
CONTRIBUTORY CAUSE OF DEATH	- Liver Necrosis

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 362	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 708
	DOSE: 22 NG/KG	**DISP:** Moribund Sacrifice	**HISTO:** 2002376

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
		Hyperplasia	Moderate
		Hypertrophy	Mild
		Vacuolization Cytoplasmic	Minimal
* Clitoral Gland	Duct	Cyst	Mild
		Inflammation	Mild
Eye			
Note: One optic nerve missing.			
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Minimal
		Nephropathy	Mild
* Liver		Eosinophilic Focus	Multiple
		Fatty Change	Diffuse, Mild
	Bile Duct	Hyperplasia	Mild
	Oval Cell	Hyperplasia	Mild
	Hepatocyte	Hypertrophy	Mild
		Inflammation	Mild
		Pigmentation	Moderate
		Toxic Hepatopathy	Mild
[Eosinophilic Focus TGLS = 5,6,7-6+7+14]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Fibroadenoma	Multiple

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 362	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 708
	DOSE: 22 NG/KG	**DISP:** Moribund Sacrifice	**HISTO:** 2002376

ORGAN AND ACCOUNTABLE SITE STATUS

[Fibroadenoma TGLS = 1,2,3-11+12+13]			
* Ovary		Atrophy	Marked
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Moderate
		Vacuolization Cytoplasmic	Mild
[Adenoma TGLS = 4-8]			
* Spleen		Pigmentation	Moderate
* Thymus		Atrophy	Marked
* Thyroid Gland	Bilateral, C Cell	Adenoma	
	C Cell	Hyperplasia	Mild
Tooth	Peridont Tiss	Inflammation	Minimal

PRIMARY CAUSE OF DEATH	- Mammary Gland Fibroadenoma
CONTRIBUTORY CAUSE OF DEATH	- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 363	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 578
	DOSE: 22 NG/KG	**DISP:** Moribund Sacrifice	**HISTO:** 2002377

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Esophagus	Eye	Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric
* Nose	* Ovary	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
		Hypertrophy	Minimal
		Vacuolization Cytoplasmic	Minimal
* Bone Marrow		Hyperplasia	Marked
* Clitoral Gland		Inflammation	Mild
Eye			
Note: One optic nerve missing.			
* Kidney		Mineralization	Minimal
* Liver		Eosinophilic Focus	Multiple
		Fatty Change	Diffuse, Minimal
	Bile Duct	Fibrosis	Mild
	Bile Duct	Hyperplasia	Mild
	Oval Cell	Hyperplasia	Minimal
	Hepatocyte	Hypertrophy	Minimal
		Inflammation	Minimal
		Mixed Cell Focus	Multiple
	Hepatocyte	Multinucleated	Minimal
		Pigmentation	Mild
		Toxic Hepatopathy	Minimal
* Lung		Infiltration Cellular	Histiocyte, Mild
	Alveolar Epith	Metaplasia	Bronchiolar, Mild
Lymph Node	Lumbar	Ectasia	Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 363	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 578
	DOSE: 22 NG/KG	**DISP:** Moribund Sacrifice	**HISTO:** 2002377

ORGAN AND ACCOUNTABLE SITE STATUS

	Lumbar	Hyperplasia	Plasma Cell, Moderate
[Ectasia TGLS = 2-12]			
[Hyperplasia TGLS = 2-12]			
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Mild
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Minimal
[Fibroadenoma TGLS = 1-11]			
* Pancreas	Acinus	Atrophy	Mild
		Inflammation	Chronic Active, Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Minimal
* Thyroid Gland	Follicular Cel	Hypertrophy	Minimal
PRIMARY CAUSE OF DEATH	- Mammary Gland Fibroadenoma		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 364	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 733
	DOSE: 22 NG/KG	**DISP:** Terminal Sacrifice	**HISTO:** 2002378

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
		Hyperplasia	Moderate
		Hypertrophy	Mild
		Vacuolization Cytoplasmic	Mild
* Adrenal Medulla		Hyperplasia	Minimal
* Bone Marrow		Hyperplasia	Mild
* Clitoral Gland	Duct	Cyst	Moderate
		Inflammation	Mild
[Cyst TGLS = 2,3-10]			
Eye			
Note: Both optic nerves missing.			
* Kidney		Calculus Micro Observation Only	
	Transit Epithe	Hyperplasia	Minimal
		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Clear Cell Focus	
	Bile Duct	Hyperplasia	Mild
	Oval Cell	Hyperplasia	Minimal
		Inflammation	Mild
		Mixed Cell Focus	Multiple
		Pigmentation	Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 364	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 733
	DOSE: 22 NG/KG	**DISP:** Terminal Sacrifice	**HISTO:** 2002378

ORGAN AND ACCOUNTABLE SITE STATUS

		Toxic Hepatopathy	Minimal
[Mixed Cell Focus TGLS = 6-6]			
* Lung		Infiltration Cellular	Histiocyte, Mild
	Alveolar Epith	Metaplasia	Bronchiolar, Mild
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Mild
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-13]			
Oral Mucosa	Gingival	Hyperplasia	Squamous, Mild
Note: The hyperplastic squamous epithelium formed a cavity adjacent to the tooth that contained hair shafts.			
* Ovary		Atrophy	Marked
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Mild
* Thymus		Atrophy	Mild
Tooth	Peridont Tiss	Inflammation	Minimal
* Uterus	Cervix	Hyperplasia	Stromal, Marked
	Endometrium	Hyperplasia	Cystic, Moderate
		Inflammation	Suppurative, Moderate
		Metaplasia	Squamous, Mild
[Hyperplasia TGLS = 4-12]			
Vagina		Inflammation	Marked
[Inflammation TGLS = 5-11]			
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 365	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 645
	DOSE: 22 NG/KG	**DISP:** Moribund Sacrifice	**HISTO:** 2002379

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
		Hyperplasia	Mild
		Hypertrophy	Mild
* Bone Marrow		Hyperplasia	Mild
* Clitoral Gland	Duct	Cyst	Mild
		Inflammation	Minimal
[Cyst TGLS = 3-10]			
* Heart		Cardiomyopathy	Minimal
* Liver		Fatty Change	Focal, Mild
	Bile Duct	Hyperplasia	Minimal
	Hepatocyte	Hypertrophy	Minimal
		Inflammation	Mild
		Mixed Cell Focus	Multiple
	Hepatocyte	Multinucleated	Minimal
		Pigmentation	Minimal
		Toxic Hepatopathy	Minimal
[Mixed Cell Focus TGLS = 6-6+7+12]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
	Alveolar Epith	Metaplasia	Bronchiolar, Minimal
[Infiltration Cellular TGLS = 5-3+4]			
Lymph Node	Lumbar	Ectasia	Mild
	Lumbar	Hemorrhage	Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 365	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 645
	DOSE: 22 NG/KG	**DISP:** Moribund Sacrifice	**HISTO:** 2002379

ORGAN AND ACCOUNTABLE SITE STATUS

	Lumbar	Pigmentation	Moderate
[Ectasia TGLS = 4-12]			
[Hemorrhage TGLS = 4-12]			
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Mild
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Minimal
[Fibroadenoma TGLS = 1-11]			
* Ovary			
Note: One ovary missing.			
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
		Vacuolization Cytoplasmic	Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Minimal
* Thymus		Atrophy	Moderate
* Thyroid Gland	Follicular Cel	Hypertrophy	Minimal
* Uterus		Inflammation	Suppurative, Minimal
		Metaplasia	Squamous, Moderate
Note: One uterine horn was lined with squamous epithelium and the lumen was dilated and contained a keratin-like material and inflammatory cells.			
[Metaplasia TGLS = 2-10]			

PRIMARY CAUSE OF DEATH - Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 366	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 214
	DOSE: 22 NG/KG	**DISP:** Scheduled Sacrifice	**HISTO:** 2002380

***** NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 367	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 368
	DOSE: 22 NG/KG	**DISP:** Scheduled Sacrifice	**HISTO:** 2002381

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
* Adrenal Cortex	* Lung	* Pancreas	* Thyroid Gland
OBSERVATIONS			
* Liver	Hepatocyte	Hypertrophy	Minimal
		Inflammation	Mild
		Mixed Cell Focus	Multiple
		Pigmentation	Minimal
* Thymus		Atrophy	Moderate
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 368	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 368
	DOSE: 22 NG/KG	**DISP:** Scheduled Sacrifice	**HISTO:** 2002382

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
* Lung	* Pancreas	* Thymus	* Thyroid Gland
OBSERVATIONS			
* Adrenal Cortex		Hypertrophy	Minimal
* Liver	Bile Duct	Hyperplasia	Minimal
	Hepatocyte	Hypertrophy	Minimal
		Inflammation	Minimal
		Mixed Cell Focus	Multiple
		Pigmentation	Minimal
[Mixed Cell Focus TGLS = 1-6]			
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 369	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 214
	DOSE: 22 NG/KG	**DISP:** Scheduled Sacrifice	**HISTO:** 2002383

***** NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 370	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 368
	DOSE: 22 NG/KG	**DISP:** Scheduled Sacrifice	**HISTO:** 2002384

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
* Adrenal Cortex	* Lung	* Pancreas	* Thyroid Gland
OBSERVATIONS			
* Liver	Hepatocyte	Hypertrophy	Minimal
		Inflammation	Mild
		Mixed Cell Focus	Multiple
		Pigmentation	Minimal
* Thymus		Atrophy	Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 371	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 213
	DOSE: 22 NG/KG	**DISP:** Scheduled Sacrifice	**HISTO:** 2002385

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
* Adrenal Cortex	* Lung	* Pancreas	* Thymus
* Thyroid Gland			
OBSERVATIONS			
* Liver	Hepatocyte	Hypertrophy	Minimal
		Inflammation	Minimal
		Pigmentation	Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 372	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 213
	DOSE: 22 NG/KG	**DISP:** Scheduled Sacrifice	**HISTO:** 2002386

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
* Lung	* Pancreas		
OBSERVATIONS			
* Adrenal Cortex		Hypertrophy	Minimal
* Liver	Hepatocyte	Hypertrophy	Minimal
		Inflammation	Minimal
		Pigmentation	Minimal
* Thymus		Atrophy	Mild
* Thyroid Gland	Follicular Cel	Hypertrophy	Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 373	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 213
	DOSE: 22 NG/KG	**DISP:** Scheduled Sacrifice	**HISTO:** 2002387

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
* Pancreas	* Thymus		
OBSERVATIONS			
* Adrenal Cortex		Hypertrophy	Minimal
* Liver	Hepatocyte	Hypertrophy	Mild
		Inflammation	Mild
		Pigmentation	Minimal
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Thyroid Gland	Follicular Cel	Hypertrophy	Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 374	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 213
	DOSE: 22 NG/KG	**DISP:** Scheduled Sacrifice	**HISTO:** 2002388

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
* Adrenal Cortex	* Lung	* Pancreas	* Thyroid Gland
OBSERVATIONS			
* Liver		Inflammation	Minimal
		Pigmentation	Minimal
* Thymus		Atrophy	Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 375	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 213
	DOSE: 22 NG/KG	**DISP:** Scheduled Sacrifice	**HISTO:** 2002389

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
* Lung	* Pancreas		
OBSERVATIONS			
* Adrenal Cortex		Degeneration	Cystic, Mild
		Hypertrophy	Mild
* Liver		Inflammation	Mild
		Pigmentation	Minimal
* Thymus		Atrophy	Minimal
* Thyroid Gland	Follicular Cel	Hypertrophy	Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 376	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 578
	DOSE: 22 NG/KG	**DISP:** Moribund Sacrifice	**HISTO:** 2002390

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Clitoral Gland	* Esophagus	Eye	Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Kidney	* Lymph Node, Mesenteric	* Nose	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Mild
* Bone Marrow		Hyperplasia	Marked
* Liver		Eosinophilic Focus	
	Hepatocyte	Hypertrophy	Mild
		Inflammation	Minimal
		Mitotic Alteration	Mild
		Pigmentation	Minimal
		Toxic Hepatopathy	Minimal
* Lung		Infiltration Cellular	Histiocyte, Moderate
	Alveolar Epith	Metaplasia	Bronchiolar, Mild
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Marked
* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 1,2-11+12]			
Oral Mucosa	Gingival	Hyperplasia	Squamous, Moderate
Note: The hyperplastic epithelium contained some hair shafts.			
* Ovary		Atrophy	Marked
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Minimal
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Adenoma	
	C Cell	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 376	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 578
	DOSE: 22 NG/KG	**DISP:** Moribund Sacrifice	**HISTO:** 2002390

ORGAN AND ACCOUNTABLE SITE STATUS

Tooth	Peridont Tiss	Inflammation	Mild
* Uterus		Inflammation	Suppurative, Mild

PRIMARY CAUSE OF DEATH - Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 377	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 95
	DOSE: 22 NG/KG	**DISP:** Scheduled Sacrifice	**HISTO:** 2002391

***** NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 378	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 214
	DOSE: 22 NG/KG	**DISP:** Scheduled Sacrifice	**HISTO:** 2002392

***** NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 379	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 95
	DOSE: 22 NG/KG	**DISP:** Scheduled Sacrifice	**HISTO:** 2002393

***** NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 380	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 601
	DOSE: 22 NG/KG	**DISP:** Natural Death	**HISTO:** 2002394

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Thymus

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Minimal
		Vacuolization Cytoplasmic	Minimal
* Bone Marrow		Hyperplasia	Moderate
* Clitoral Gland	Duct	Cyst	Mild
		Inflammation	Minimal
Eye			
Note: Both optic nerves missing.			
* Kidney		Calculus Micro Observation Only	
		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Eosinophilic Focus	
		Fatty Change	Diffuse, Minimal
		Hematopoietic Cell Proliferation	Mild
		Inflammation	Mild
		Necrosis	Moderate
		Toxic Hepatopathy	Minimal
[Eosinophilic Focus TGLS = 2-7]			
* Lung		Infiltration Cellular	Histiocyte, Mild
	Alveolar Epith	Metaplasia	Bronchiolar, Minimal
[Infiltration Cellular TGLS = 4-3+4]			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 380	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 601
	DOSE: 22 NG/KG	**DISP:** Natural Death	**HISTO:** 2002394

ORGAN AND ACCOUNTABLE SITE STATUS

Oral Mucosa	Gingival	Hyperplasia	Squamous, Mild
Note: The hyperplastic oral mucosa formed a cavity adjacent to a tooth. Hair shafts were present in the cavity.			
* Ovary		Atrophy	Marked
Skeletal Muscle		Hemorrhage	Moderate
		Inflammation	Chronic Active, Moderate
Note: TGL 1, a muscle mass at necropsy, was a area of hemorrhage and inflammation.			
[Hemorrhage TGLS = 1-11]			
[Inflammation TGLS = 1-11]			
* Spleen		Hematopoietic Cell Proliferation	Moderate
		Pigmentation	Minimal
* Thyroid Gland	C Cell	Adenoma	
[Adenoma TGLS = 3-8]			
* Uterus		Metaplasia	Squamous, Minimal
		Polyp Stromal	
PRIMARY CAUSE OF DEATH	- Skeletal Muscle Inflammation		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 381	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 731
	DOSE: 22 NG/KG	**DISP:** Terminal Sacrifice	**HISTO:** 2002395

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Moderate
		Hyperplasia	Moderate
* Clitoral Gland	Duct	Cyst	Mild
		Inflammation	Minimal
Eye			
Note: One optic nerve missing.			
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver	Bile Duct	Hyperplasia	Minimal
	Oval Cell	Hyperplasia	Minimal
		Inflammation	Minimal
		Mixed Cell Focus	Multiple
		Pigmentation	Minimal
		Toxic Hepatopathy	Minimal
[Mixed Cell Focus TGLS = 2,3-6+7]			
* Lung		Infiltration Cellular	Histiocyte, Mild
	Alveolar Epith	Metaplasia	Bronchiolar, Minimal
Note: Left lung frozen for NTP.			
[Metaplasia TGLS = 1-4]			
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Moderate
* Lymph Node, Mesenteric		Atrophy	Mild
* Mammary Gland		Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 381	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 731
	DOSE: 22 NG/KG	**DISP:** Terminal Sacrifice	**HISTO:** 2002395

ORGAN AND ACCOUNTABLE SITE STATUS

* Ovary		Atrophy	Marked
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Mild
	Pars Distalis	Hyperplasia	Minimal
[Adenoma TGLS = 4-8]			
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Mild
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Adenoma	
	C Cell	Hyperplasia	Moderate
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
		Polyp Stromal	Multiple
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 382	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 732
	DOSE: 22 NG/KG	**DISP:** Terminal Sacrifice	**HISTO:** 2002396

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
		Degeneration	Cystic, Mild
		Hyperplasia	Moderate
		Hypertrophy	Marked
		Vacuolization Cytoplasmic	Mild
* Clitoral Gland	Duct	Cyst	Moderate
[Cyst TGLS = 2-10]			
Eye			
Note: One optic nerve missing.			
Harderian Gland		Inflammation	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney	Transit Epithe	Hyperplasia	Minimal
		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Cholangiofibrosis	Minimal
		Clear Cell Focus	
		Degeneration	Cystic, Minimal
		Fatty Change	Diffuse, Minimal
	Bile Duct	Hyperplasia	Mild
	Oval Cell	Hyperplasia	Mild
		Hyperplasia	Nodular
	Hepatocyte	Hypertrophy	Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 382	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 732
	DOSE: 22 NG/KG	**DISP:** Terminal Sacrifice	**HISTO:** 2002396

ORGAN AND ACCOUNTABLE SITE STATUS

		Inflammation	Minimal
		Mixed Cell Focus	Multiple
		Pigmentation	Mild
		Toxic Hepatopathy	Minimal
[Mixed Cell Focus TGLS = 5-6+7]			
* Lung		Infiltration Cellular	Histiocyte, Mild
	Alveolar Epith	Metaplasia	Bronchiolar, Mild
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Mild
[Fibroadenoma TGLS = 1-11]			
* Ovary		Atrophy	Marked
		Cyst	Moderate
[Cyst TGLS = 4-10]			
* Pituitary Gland		Angiectasis	Minimal
	Pars Distalis	Hyperplasia	Moderate
[Hyperplasia TGLS = 6-8]			
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Minimal
* Thymus		Atrophy	Mild
* Thyroid Gland	Follicular Cel	Hypertrophy	Minimal
* Uterus		Metaplasia	Squamous, Marked
Note: The uterus was lined with squamous epithelium and the lumen was dilated and contained a keratin-like material.			
[Metaplasia TGLS = 3-10]			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 383	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 561
	DOSE: 22 NG/KG	**DISP:** Natural Death	**HISTO:** 2002397

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Urinary Bladder	

MISSING

* Esophagus	Eye	Harderian Gland	* Heart
* Intestine Small, Duodenum	* Lung	* Lymph Node, Mandibular	* Parathyroid Gland
* Salivary Glands	* Thymus	* Thyroid Gland	* Trachea

OBSERVATIONS

* Bone Marrow		Hyperplasia	Moderate
* Clitoral Gland	Duct	Cyst	Minimal
* Kidney		Mineralization	Minimal
* Liver		Inflammation	Minimal
		Pigmentation	Mild
* Ovary		Atrophy	Marked
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Spleen		Pigmentation	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Marked
[Hyperplasia TGLS = 1-11]			

PRIMARY CAUSE OF DEATH - UNCERTAIN

Animal Note: All missing tissues except for the duodenum were cannibalized.

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 384	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 522
	DOSE: 22 NG/KG	**DISP:** Natural Death	**HISTO:** 2002398

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Brain	* Esophagus
Eye	Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Small, Duodenum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Uterus

MISSING

* Clitoral Gland	* Intestine Large, Rectum	* Intestine Small, Ileum	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Mild
* Bone	Periosteum	Fibrosarcoma	
Note: The tumor, diagnosed as a fibrosarcoma, appeared to arise from the periosteum of the rib or from a nerve.			
[Fibrosarcoma TGLS = 2-11]			
* Bone Marrow		Hyperplasia	Marked
Eye			
Note: One optic nerve missing.			
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Minimal
* Liver		Inflammation	Mild
	Hepatocyte	Multinucleated	Minimal
		Necrosis	Mild
* Lung		Infiltration Cellular	Histiocyte, Mild
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Mild
* Ovary		Atrophy	Marked
Note: Right ovary missing (cannibalized).			
Skel Muscle			
Note: The lesion was on the diaphragm.			
* Spleen		Hematopoietic Cell Proliferation	Moderate
[Hematopoietic Cell Proliferation TGLS = 1-5]			
* Thymus		Atrophy	Marked

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 384	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 522
	DOSE: 22 NG/KG	**DISP:** Natural Death	**HISTO:** 2002398

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH	- Bone Periosteum Fibrosarcoma

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 385	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 95
	DOSE: 22 NG/KG	**DISP:** Scheduled Sacrifice	**HISTO:** 2002399

***** NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 386	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 94
	DOSE: 22 NG/KG	**DISP:** Scheduled Sacrifice	**HISTO:** 2002400

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
* Lung	* Pancreas	* Thymus	* Thyroid Gland
OBSERVATIONS			
* Adrenal Cortex		Hypertrophy	Mild
* Liver		Inflammation	Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 387	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 94
	DOSE: 22 NG/KG	**DISP:** Scheduled Sacrifice	**HISTO:** 2002401

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
* Adrenal Cortex	* Lung	* Pancreas	* Thymus
* Thyroid Gland			
OBSERVATIONS			
* Liver	Hepatocyte	Hypertrophy	Minimal
		Inflammation	Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 388	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 94
	DOSE: 22 NG/KG	**DISP:** Scheduled Sacrifice	**HISTO:** 2002402

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
* Adrenal Cortex	* Lung	* Pancreas	* Thymus
OBSERVATIONS			
* Liver	Hepatocyte	Hypertrophy	Minimal
		Inflammation	Minimal
* Thyroid Gland	Follicular Cel	Hypertrophy	Moderate
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 389	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 94
	DOSE: 22 NG/KG	**DISP:** Scheduled Sacrifice	**HISTO:** 2002403

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
* Adrenal Cortex	* Lung	Lymph Node	* Pancreas
* Thymus			
OBSERVATIONS			
* Liver	Hepatocyte	Hypertrophy	Minimal
		Inflammation	Minimal
* Thyroid Gland	Follicular Cel	Hypertrophy	Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 390	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 94
	DOSE: 22 NG/KG	**DISP:** Scheduled Sacrifice	**HISTO:** 2002404

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
* Adrenal Cortex	* Lung	Lymph Node	* Pancreas
* Thymus			
OBSERVATIONS			
* Liver		Inflammation	Minimal
* Thyroid Gland	Follicular Cel	Hypertrophy	Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 391	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 214
	DOSE: 22 NG/KG	**DISP:** Scheduled Sacrifice	**HISTO:** 2002405

***** NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 392	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 732
	DOSE: 22 NG/KG	**DISP:** Terminal Sacrifice	**HISTO:** 2002406

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Bone Marrow	* Brain
* Esophagus	Eye	Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Adenoma	
		Atrophy	Mild
		Degeneration	Cystic, Minimal
		Hypertrophy	Mild
		Vacuolization Cytoplasmic	Mild
Note: One adrenal atrophic.			
[Adenoma TGLS = 2-8]			
[Atrophy TGLS = 3-8]			
* Adrenal Medulla		Angiectasis	Mild
		Pheochromocytoma Benign	
[Pheochromocytoma Benign TGLS = 2-8]			
* Clitoral Gland	Duct	Cyst	Mild
		Inflammation	Minimal
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Eosinophilic Focus	Multiple
		Fatty Change	Diffuse, Minimal
	Bile Duct	Hyperplasia	Minimal
	Oval Cell	Hyperplasia	Minimal
	Hepatocyte	Hypertrophy	Minimal
		Inflammation	Minimal
		Mixed Cell Focus	Multiple

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 392	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 732
	DOSE: 22 NG/KG	**DISP:** Terminal Sacrifice	**HISTO:** 2002406

ORGAN AND ACCOUNTABLE SITE STATUS

	Hepatocyte	Multinucleated	Minimal
		Pigmentation	Mild
		Toxic Hepatopathy	Minimal
[Mixed Cell Focus TGLS = 4-6+7+12]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
	Alveolar Epith	Metaplasia	Bronchiolar, Minimal
[Infiltration Cellular TGLS = 5-3]			
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Minimal
[Fibroadenoma TGLS = 1-11]			
* Ovary		Atrophy	Marked
		Cyst	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Mild
		Cytoplasmic Alteration	Mild
[Adenoma TGLS = 6-8]			
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Mild
* Thymus		Atrophy	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 393	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 369
	DOSE: 22 NG/KG	**DISP:** Scheduled Sacrifice	**HISTO:** 2002407

***** NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 394	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 731
	DOSE: 22 NG/KG	**DISP:** Terminal Sacrifice	**HISTO:** 2002408

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Mild
* Clitoral Gland	Duct	Cyst	Minimal
Eye			
Note: One optic nerve missing.			
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Fatty Change	Diffuse, Minimal
		Hepatodiaphragmatic Nodule	
	Hepatocyte	Hypertrophy	Minimal
		Inflammation	Minimal
		Mixed Cell Focus	Multiple
		Pigmentation	Mild
[Hepatodiaphragmatic Nodule TGLS = 2-6]			
[Mixed Cell Focus TGLS = 3-7]			
* Lung		Infiltration Cellular	Histiocyte, Mild
	Alveolar Epith	Metaplasia	Bronchiolar, Moderate
Note: Left lung frozen for NTP.			
[Infiltration Cellular TGLS = 1-4]			
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Mild
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 5-11]			
* Ovary		Atrophy	Marked

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 394	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 731
	DOSE: 22 NG/KG	**DISP:** Terminal Sacrifice	**HISTO:** 2002408

ORGAN AND ACCOUNTABLE SITE STATUS

* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland		Cytoplasmic Alteration	Minimal
	Pars Distalis	Hyperplasia	Moderate
* Spleen		Pigmentation	Mild
* Thymus		Atrophy	Mild
* Thyroid Gland	C Cell	Adenoma	
		Angiectasis	Mild
	C Cell	Hyperplasia	Moderate
Tooth	Peridont Tiss	Inflammation	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate
		Metaplasia	Squamous, Moderate

Note: There was cystic endometrial hyperplasia in one horn and squamous metaplasia and dilatation of the lumen with keratin in the other.
[Hyperplasia TGLS = 4-10]
[Metaplasia TGLS = 4-10]

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 395	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 732
	DOSE: 22 NG/KG	**DISP:** Terminal Sacrifice	**HISTO:** 2002409

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
		Hyperplasia	Mild
		Hypertrophy	Mild
* Adrenal Medulla		Hyperplasia	Mild
		Pheochromocytoma Benign	
* Clitoral Gland	Duct	Cyst	Mild
		Inflammation	Mild
Eye			
Note: Both optic nerves missing.			
* Heart		Cardiomyopathy	Minimal
* Kidney	Transit Epithe	Hyperplasia	Minimal
		Nephropathy	Mild
* Liver		Clear Cell Focus	Multiple
		Degeneration	Cystic, Minimal
		Fatty Change	Focal, Mild
	Hepatocyte	Hypertrophy	Minimal
		Inflammation	Mild
		Mixed Cell Focus	Multiple
	Hepatocyte	Multinucleated	Minimal
		Pigmentation	Mild
		Toxic Hepatopathy	Minimal
[Mixed Cell Focus TGLS = 3-6+7+12]			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 395	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 732
	DOSE: 22 NG/KG	**DISP:** Terminal Sacrifice	**HISTO:** 2002409

ORGAN AND ACCOUNTABLE SITE STATUS

* Lung		Infiltration Cellular	Histiocyte, Minimal
	Alveolar Epith	Metaplasia	Bronchiolar, Minimal
* Mammary Gland		Hyperplasia	Mild
[Hyperplasia TGLS = 1-11]			
* Ovary		Atrophy	Marked
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Moderate
[Adenoma TGLS = 4-8]			
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Mild
* Thymus		Atrophy	Mild
* Thyroid Gland	C Cell	Adenoma	
	C Cell	Hyperplasia	Mild
* Uterus		Metaplasia	Squamous, Marked
Note: One horn of the uterus was completely lined by squamous epithelium and the lumen was distended with a keratin-like material.			
[Metaplasia TGLS = 2-10]			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 396	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 731
	DOSE: 22 NG/KG	**DISP:** Terminal Sacrifice	**HISTO:** 2002410

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Mild
		Hyperplasia	Moderate
		Hypertrophy	Moderate
		Vacuolization Cytoplasmic	Minimal
* Adrenal Medulla		Hyperplasia	Minimal
* Bone Marrow		Hyperplasia	Moderate
* Clitoral Gland	Duct	Cyst	Mild
		Inflammation	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Minimal
		Nephropathy	Mild
* Liver		Eosinophilic Focus	
		Hematopoietic Cell Proliferation	Minimal
	Hepatocyte	Hypertrophy	Minimal
		Inflammation	Minimal
		Mixed Cell Focus	Multiple
	Hepatocyte	Multinucleated	Minimal
		Pigmentation	Mild
[Mixed Cell Focus TGLS = 1-6+7]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
	Alveolar Epith	Metaplasia	Bronchiolar, Minimal
Note: Left lung frozen for NTP.			
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Moderate

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 396	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 731
	DOSE: 22 NG/KG	**DISP:** Terminal Sacrifice	**HISTO:** 2002410

ORGAN AND ACCOUNTABLE SITE STATUS

* Mammary Gland		Hyperplasia	Mild
* Ovary		Atrophy	Marked
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Minimal
* Thymus		Atrophy	Mild
* Thyroid Gland	C Cell	Adenoma	
	C Cell	Hyperplasia	Moderate
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate
		Polyp Stromal	Multiple
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 397	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 533
	DOSE: 22 NG/KG	**DISP:** Moribund Sacrifice	**HISTO:** 2002411

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
		Hypertrophy	Mild
		Vacuolization Cytoplasmic	Minimal
* Bone Marrow		Hyperplasia	Moderate
* Clitoral Gland	Duct	Cyst	Minimal
		Inflammation	Mild
* Islets, Pancreatic		Hyperplasia	Marked
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Eosinophilic Focus	Multiple
		Hematopoietic Cell Proliferation	Minimal
	Bile Duct	Hyperplasia	Minimal
	Oval Cell	Hyperplasia	Minimal
	Hepatocyte	Hypertrophy	Mild
		Mixed Cell Focus	Multiple
	Hepatocyte	Multinucleated	Minimal
		Pigmentation	Minimal
		Toxic Hepatopathy	Minimal
* Lung		Infiltration Cellular	Histiocyte, Minimal
	Alveolar Epith	Metaplasia	Bronchiolar, Minimal
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Mild
* Mammary Gland		Fibroadenoma	Multiple
		Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 397	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 533
	DOSE: 22 NG/KG	**DISP:** Moribund Sacrifice	**HISTO:** 2002411

ORGAN AND ACCOUNTABLE SITE STATUS

[Fibroadenoma TGLS = 1,2,3,4-11+12+13+14]

* Nose		Inflammation	Mild
Oral Mucosa	Gingival	Hyperplasia	Squamous, Minimal
* Ovary		Atrophy	Marked
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Minimal
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Moderate
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
		Metaplasia	Squamous, Mild

PRIMARY CAUSE OF DEATH - Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 398	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 641
	DOSE: 22 NG/KG	**DISP:** Moribund Sacrifice	**HISTO:** 2002412

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Esophagus	Eye	Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
		Atrophy	Minimal
		Hypertrophy	Moderate
		Vacuolization Cytoplasmic	Mild
* Clitoral Gland	Duct	Cyst	Minimal
Eye			
Note: Both optic nerves missing.			
* Kidney		Nephropathy	Minimal
* Liver	Bile Duct	Hyperplasia	Minimal
	Oval Cell	Hyperplasia	Minimal
	Hepatocyte	Hypertrophy	Minimal
		Inflammation	Moderate
		Pigmentation	Moderate
		Toxic Hepatopathy	Minimal
* Lung		Infiltration Cellular	Histiocyte, Minimal
	Alveolar Epith	Metaplasia	Bronchiolar, Minimal
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-11]			
Oral Mucosa	Gingival	Hyperplasia	Squamous, Minimal
Note: The hyperplastic epithelium formed a cavity with the adjacent tooth that contained hair.			
* Ovary		Atrophy	Marked
* Pituitary Gland	Pars Distalis	Adenoma	

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 398	**TRT#:** 4	**SEX:** Female	**DAY ON TEST:** 641
	DOSE: 22 NG/KG	**DISP:** Moribund Sacrifice	**HISTO:** 2002412

ORGAN AND ACCOUNTABLE SITE STATUS

		Angiectasis	Mild
[Adenoma TGLS = 2-8]			
* Spleen		Pigmentation	Mild
* Stomach, Forestomach		Edema	Mild
* Thyroid Gland	C Cell	Hyperplasia	Moderate
Tooth	Peridont Tiss	Inflammation	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate
		Inflammation	Suppurative, Minimal
		Polyp Stromal	

PRIMARY CAUSE OF DEATH - Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 401	**TRT#:** 5	**SEX:** Female	**DAY ON TEST:** 733
	DOSE: 46 NG/KG	**DISP:** Terminal Sacrifice	**HISTO:** 2002413

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Mild
		Hyperplasia	Moderate
		Hypertrophy	Moderate
* Bone Marrow		Hyperplasia	Moderate
* Clitoral Gland	Duct	Cyst	Moderate
[Cyst TGLS = 1-10]			
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Fatty Change	Diffuse, Minimal
	Bile Duct	Hyperplasia	Mild
	Oval Cell	Hyperplasia	Mild
	Hepatocyte	Hypertrophy	Minimal
		Inflammation	Minimal
		Mixed Cell Focus	Multiple
	Hepatocyte	Multinucleated	Mild
		Pigmentation	Mild
		Toxic Hepatopathy	Moderate
[Mixed Cell Focus TGLS = 4-11]			
* Lung		Infiltration Cellular	Histiocyte, Mild
	Alveolar Epith	Metaplasia	Bronchiolar, Minimal
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Mild
* Mammary Gland		Fibroadenoma	

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 401	**TRT#:** 5	**SEX:** Female	**DAY ON TEST:** 733
	DOSE: 46 NG/KG	**DISP:** Terminal Sacrifice	**HISTO:** 2002413

ORGAN AND ACCOUNTABLE SITE STATUS

[Fibroadenoma TGLS = 2-12]			
Oral Mucosa	Gingival	Hyperplasia	Squamous, Moderate
[Hyperplasia TGLS = 3-2]			
* Ovary		Atrophy	Marked
* Pancreas	Acinus	Vacuolization Cytoplasmic	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Mild
* Thymus		Atrophy	Marked
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
		Metaplasia	Squamous, Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 402	**TRT#:** 5	**SEX:** Female	**DAY ON TEST:** 708
	DOSE: 46 NG/KG	**DISP:** Natural Death	**HISTO:** 2002414

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Esophagus	Eye
Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Glandular
* Trachea	* Urinary Bladder		

MISSING

* Thymus

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Mild
		Vacuolization Cytoplasmic	Minimal
* Adrenal Medulla		Pheochromocytoma Benign	
* Bone Marrow		Hyperplasia	Moderate
* Brain		Mineralization	Minimal
* Clitoral Gland	Duct	Cyst	Moderate
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Minimal
* Liver	Bile Duct	Hyperplasia	Minimal
	Oval Cell	Hyperplasia	Minimal
	Hepatocyte	Hypertrophy	Mild
		Inflammation	Minimal
	Hepatocyte	Multinucleated	Mild
		Necrosis	Mild
		Pigmentation	Moderate
		Toxic Hepatopathy	Moderate
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 1-11]			
Oral Mucosa	Gingival	Squamous Cell Carcinoma	
[Squamous Cell Carcinoma TGLS = 2-12]			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 402	**TRT#:** 5	**SEX:** Female	**DAY ON TEST:** 708
	DOSE: 46 NG/KG	**DISP:** Natural Death	**HISTO:** 2002414

ORGAN AND ACCOUNTABLE SITE STATUS

* Ovary		Atrophy	Marked
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
* Spleen		Pigmentation	Moderate
* Stomach, Forestomach		Hyperkeratosis	Mild
		Hyperplasia	Squamous, Moderate
		Squamous Cell Papilloma	
* Thyroid Gland	C Cell	Hyperplasia	Mild
Tooth	Peridont Tiss	Inflammation	Moderate
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal

PRIMARY CAUSE OF DEATH - Oral Mucosa Gingival Squamous Cell Carcinoma

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 403	**TRT#:** 5	**SEX:** Female	**DAY ON TEST:** 369
	DOSE: 46 NG/KG	**DISP:** Scheduled Sacrifice	**HISTO:** 2002415

***** NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 404	**TRT#:** 5	**SEX:** Female	**DAY ON TEST:** 95
	DOSE: 46 NG/KG	**DISP:** Scheduled Sacrifice	**HISTO:** 2002416

***** NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 405	**TRT#:** 5	**SEX:** Female	**DAY ON TEST:** 731
	DOSE: 46 NG/KG	**DISP:** Terminal Sacrifice	**HISTO:** 2002417

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
		Hyperplasia	Moderate
		Hypertrophy	Minimal
		Vacuolization Cytoplasmic	Mild
* Bone Marrow		Hyperplasia	Moderate
* Clitoral Gland	Duct	Cyst	Moderate
Eye	Retina	Atrophy	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Cholangiocarcinoma	Multiple
		Cholangiofibrosis	Mild
		Fatty Change	Diffuse, Minimal
	Portal	Fibrosis	Mild
	Bile Duct	Hyperplasia	Mild
	Oval Cell	Hyperplasia	Mild
	Hepatocyte	Hypertrophy	Mild
		Inflammation	Minimal
		Mixed Cell Focus	Multiple
	Hepatocyte	Multinucleated	Minimal
		Pigmentation	Mild
		Toxic Hepatopathy	Moderate
[Cholangiocarcinoma TGLS = 2,3-12+13]			
* Lung		Infiltration Cellular	Histiocyte, Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 405	**TRT#:** 5	**SEX:** Female	**DAY ON TEST:** 731
	DOSE: 46 NG/KG	**DISP:** Terminal Sacrifice	**HISTO:** 2002417

ORGAN AND ACCOUNTABLE SITE STATUS

	Alveolar Epith	Metaplasia	Bronchiolar, Mild
Note: Left lung frozen for NTP.			
[Infiltration Cellular TGLS = 5-4]			
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Moderate
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Mild
[Fibroadenoma TGLS = 1-14]			
* Pancreas	Acinus	Vacuolization Cytoplasmic	Minimal
* Pituitary Gland		Angiectasis	Minimal
	Pars Distalis	Hyperplasia	Marked
[Hyperplasia TGLS = 4-11]			
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Minimal
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Adenoma	
	Follicular Cel	Hypertrophy	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 406	**TRT#:** 5	**SEX:** Female	**DAY ON TEST:** 731
	DOSE: 46 NG/KG	**DISP:** Terminal Sacrifice	**HISTO:** 2002418

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Brain	* Esophagus
Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mesenteric	* Nose	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Thyroid Gland
* Trachea			

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
		Hypertrophy	Moderate
* Adrenal Medulla		Hyperplasia	Mild
* Bone Marrow		Hyperplasia	Moderate
* Clitoral Gland	Duct	Cyst	Marked
		Inflammation	Mild
[Cyst TGLS = 4-10]			
Eye	Retina	Atrophy	Moderate
Note: One optic nerve missing.			
* Heart		Cardiomyopathy	Minimal
* Kidney	Transit Epithe	Hyperplasia	Mild
		Mineralization	Mild
		Nephropathy	Minimal
* Liver		Cholangiofibrosis	Mild
		Eosinophilic Focus	Multiple
		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Minimal
	Oval Cell	Hyperplasia	Minimal
		Inflammation	Minimal
		Mixed Cell Focus	Multiple
		Pigmentation	Mild
		Toxic Hepatopathy	Mild
[Hepatodiaphragmatic Nodule TGLS = 7-11]			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 406	**TRT#:** 5	**SEX:** Female	**DAY ON TEST:** 731
	DOSE: 46 NG/KG	**DISP:** Terminal Sacrifice	**HISTO:** 2002418

ORGAN AND ACCOUNTABLE SITE STATUS

* Lung		Infiltration Cellular	Histiocyte, Mild
	Alveolar Epith	Metaplasia	Bronchiolar, Mild
Note: Left lung frozen for NTP.			
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Mild
* Mammary Gland		Carcinoma	
		Fibroadenoma	Multiple
Note: TGL 3 (slide 14) contained multiple cysts.			
[Carcinoma TGLS = 2-13]			
[Fibroadenoma TGLS = 1,3-12+14]			
* Ovary		Atrophy	Marked
		Cyst	Mild
		Fibrosis	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Mild
[Adenoma TGLS = 8-8]			
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Minimal
* Stomach, Glandular		Metaplasia	Mild
Note: The stomach lesion diagnosed as metaplasia appeared to be ectopic pancreas.			
* Thymus		Atrophy	Marked
* Urinary Bladder	Transit Epithe	Hyperplasia	Mild
		Inflammation	Mild
* Uterus		Metaplasia	Squamous, Marked

PRIMARY CAUSE OF DEATH -

Animal Note: TGL 6 = NO CORRELATING LESION
Animal Note: TGL 5 = NO CORRELATING LESION

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 407	**TRT#:** 5	**SEX:** Female	**DAY ON TEST:** 673
	DOSE: 46 NG/KG	**DISP:** Moribund Sacrifice	**HISTO:** 2002419

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
		Degeneration	Cystic, Mild
		Hypertrophy	Moderate
* Bone Marrow		Hyperplasia	Moderate
* Clitoral Gland	Duct	Cyst	Minimal
		Inflammation	Minimal
Eye			
Note: One optic nerve missing.			
* Heart		Cardiomyopathy	Minimal
* Kidney	Transit Epithe	Hyperplasia	Moderate
	Pelvis	Inflammation	Mild
		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Eosinophilic Focus	
		Fatty Change	Diffuse, Minimal
	Bile Duct	Hyperplasia	Mild
	Oval Cell	Hyperplasia	Minimal
		Hyperplasia	Nodular
	Hepatocyte	Hypertrophy	Mild
		Inflammation	Minimal
		Mixed Cell Focus	Multiple
	Hepatocyte	Multinucleated	Minimal
		Pigmentation	Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 407	**TRT#:** 5	**SEX:** Female	**DAY ON TEST:** 673
	DOSE: 46 NG/KG	**DISP:** Moribund Sacrifice	**HISTO:** 2002419

ORGAN AND ACCOUNTABLE SITE STATUS

		Toxic Hepatopathy	Moderate
[Eosinophilic Focus TGLS = 4-14]			
[Hyperplasia TGLS = 2,3-12+13]			
* Lung		Infiltration Cellular	Histiocyte, Mild
	Alveolar Epith	Metaplasia	Bronchiolar, Mild
[Infiltration Cellular TGLS = 5-3+4]			
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Mild
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-11]			
* Ovary		Atrophy	Marked
		Cyst	Mild
* Pancreas	Acinus	Vacuolization Cytoplasmic	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Mild
[Adenoma TGLS = 6-8]			
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Mild
* Stomach, Glandular		Mineralization	Mild
* Thymus		Atrophy	Marked
		Cyst	Moderate
		Inflammation	Chronic Active, Moderate
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
PRIMARY CAUSE OF DEATH	- Mammary Gland Fibroadenoma		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 408	**TRT#:** 5	**SEX:** Female	**DAY ON TEST:** 369
	DOSE: 46 NG/KG	**DISP:** Scheduled Sacrifice	**HISTO:** 2002420

***** NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 409	**TRT#:** 5	**SEX:** Female	**DAY ON TEST:** 659
	DOSE: 46 NG/KG	**DISP:** Moribund Sacrifice	**HISTO:** 2002421

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Esophagus	Eye	Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mesenteric	* Mammary Gland	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Minimal
* Clitoral Gland	Duct	Cyst	Moderate
		Inflammation	Minimal
Eye			
Note: One optic nerve missing.			
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Fatty Change	Diffuse, Minimal
		Inflammation	Minimal
	Hepatocyte	Multinucleated	Minimal
		Pigmentation	Mild
* Lung		Infiltration Cellular	Histiocyte, Mild
	Alveolar Epith	Metaplasia	Bronchiolar, Minimal
[Infiltration Cellular TGLS = 3-3+4]			
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Mild
* Nose	Olfactory Epi	Degeneration	Mild
	Respirat Epith	Hyperplasia	Mild
		Inflammation	Mild
Oral Mucosa	Gingival	Squamous Cell Carcinoma	
[Squamous Cell Carcinoma TGLS = 2-12]			
* Ovary		Atrophy	Marked
		Cyst	Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 409	**TRT#:** 5	**SEX:** Female	**DAY ON TEST:** 659
	DOSE: 46 NG/KG	**DISP:** Moribund Sacrifice	**HISTO:** 2002421

ORGAN AND ACCOUNTABLE SITE STATUS

* Pancreas	Acinus	Vacuolization Cytoplasmic	Mild
* Spleen		Pigmentation	Mild
* Stomach, Forestomach		Erosion	Mild
		Hyperkeratosis	Mild
		Hyperplasia	Squamous, Moderate
* Thymus		Atrophy	Moderate
Tooth	Peridont Tiss	Inflammation	Moderate
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
		Inflammation	Suppurative, Minimal
Vagina		Cyst	Mild
Note: The cyst contained a keratin-like material.			
[Cyst TGLS = 1-11]			

PRIMARY CAUSE OF DEATH - Oral Mucosa Gingival Squamous Cell Carcinoma

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 410	**TRT#:** 5	**SEX:** Female	**DAY ON TEST:** 518
	DOSE: 46 NG/KG	**DISP:** Natural Death	**HISTO:** 2002422

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Lymphoma Malignant	
* Adrenal Medulla		Lymphoma Malignant	
* Clitoral Gland	Duct	Cyst	Moderate
* Kidney		Lymphoma Malignant	
		Mineralization	Minimal
		Nephropathy	Mild
[Nephropathy TGLS = 2-5]			
* Liver	Centrilobular	Degeneration	Mild
		Fatty Change	Diffuse, Minimal
	Bile Duct	Hyperplasia	Minimal
	Oval Cell	Hyperplasia	Minimal
	Hepatocyte	Hypertrophy	Moderate
	Hepatocyte	Multinucleated	Mild
		Pigmentation	Mild
		Toxic Hepatopathy	Mild
* Lung		Infiltration Cellular	Histiocyte, Minimal
		Lymphoma Malignant	
	Alveolar Epith	Metaplasia	Bronchiolar, Minimal
Lymph Node	Mediastinal	Lymphoma Malignant	
	Pancreatic	Lymphoma Malignant	
	Renal	Lymphoma Malignant	
[Lymphoma Malignant TGLS = 5-13]			
[Lymphoma Malignant TGLS = 3-11]			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 410	**TRT#:** 5	**SEX:** Female	**DAY ON TEST:** 518
	DOSE: 46 NG/KG	**DISP:** Natural Death	**HISTO:** 2002422

ORGAN AND ACCOUNTABLE SITE STATUS

[Lymphoma Malignant TGLS = 6-14]			
* Lymph Node, Mesenteric		Hyperplasia	Plasma Cell, Moderate
* Mammary Gland		Hyperplasia	Mild
* Nose	Respirat Epith	Hyperplasia	Mild
		Inflammation	Moderate
* Ovary		Atrophy	Marked
		Lymphoma Malignant	
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
[Hyperplasia TGLS = 7-8]			
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Minimal
* Thymus		Atrophy	Marked
* Uterus		Inflammation	Suppurative, Moderate
		Lymphoma Malignant	
		Metaplasia	Squamous, Minimal
[Lymphoma Malignant TGLS = 4-12]			

PRIMARY CAUSE OF DEATH	- Lymph Node Mediastinal Lymphoma Malignant
CONTRIBUTORY CAUSE OF DEATH	- Lymph Node Renal Lymphoma Malignant;Lymph Node Pancreatic Lymphoma Malignant

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 411	**TRT#:** 5	**SEX:** Female	**DAY ON TEST:** 369
	DOSE: 46 NG/KG	**DISP:** Scheduled Sacrifice	**HISTO:** 2002423

***** NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 412	**TRT#:** 5	**SEX:** Female	**DAY ON TEST:** 672
	DOSE: 46 NG/KG	**DISP:** Natural Death	**HISTO:** 2002424

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Clitoral Gland	Duct	Cyst	Moderate
		Inflammation	Moderate
[Cyst TGLS = 2,3-10]			
[Inflammation TGLS = 3-10]			
Eye			
Note: Both optic nerves missing.			
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Basophilic Focus	Multiple
		Fatty Change	Diffuse, Mild
	Bile Duct	Hyperplasia	Mild
		Inflammation	Minimal
		Mixed Cell Focus	Multiple
	Hepatocyte	Multinucleated	Minimal
		Pigmentation	Mild
		Toxic Hepatopathy	Mild
[Mixed Cell Focus TGLS = 4-6+7+11]			
* Lung		Infiltration Cellular	Histiocyte, Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 412	**TRT#:** 5	**SEX:** Female	**DAY ON TEST:** 672
	DOSE: 46 NG/KG	**DISP:** Natural Death	**HISTO:** 2002424

ORGAN AND ACCOUNTABLE SITE STATUS

	Alveolar Epith	Metaplasia	Bronchiolar, Mild
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Moderate
* Ovary		Atrophy	Marked
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Mild
[Adenoma TGLS = 1-8]			
* Spleen		Pigmentation	Mild
* Thymus		Atrophy	Marked
* Uterus		Metaplasia	Squamous, Moderate

PRIMARY CAUSE OF DEATH	- Pituitary Gland	Pars Distalis	Adenoma
CONTRIBUTORY CAUSE OF DEATH	- Clitoral Gland	Inflammation	

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 413	**TRT#:** 5	**SEX:** Female	**DAY ON TEST:** 341
	DOSE: 46 NG/KG	**DISP:** Moribund Sacrifice	**HISTO:** 2002425

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Clitoral Gland	Eye	Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Bone Marrow		Hyperplasia	Moderate
* Esophagus	Muscularis	Inflammation	Minimal
Eye			
Note: One optic nerve missing.			
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Eosinophilic Focus	Multiple
	Hepatocyte	Hypertrophy	Minimal
		Inflammation	Mild
		Mitotic Alteration	Mild
		Necrosis	Minimal
		Pigmentation	Mild
* Lung		Infiltration Cellular	Histiocyte, Minimal
	Alveolar Epith	Metaplasia	Bronchiolar, Minimal
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-11]			
* Nose		Inflammation	Mild
* Ovary		Atrophy	Marked
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Minimal
* Thymus		Atrophy	Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 413	**TRT#:** 5	**SEX:** Female	**DAY ON TEST:** 341
	DOSE: 46 NG/KG	**DISP:** Moribund Sacrifice	**HISTO:** 2002425

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
		Metaplasia	Squamous, Mild

PRIMARY CAUSE OF DEATH - Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 414	**TRT#:** 5	**SEX:** Female	**DAY ON TEST:** 731
	DOSE: 46 NG/KG	**DISP:** Terminal Sacrifice	**HISTO:** 2002426

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Bone Marrow	* Brain
* Esophagus	Eye	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Salivary Glands	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Mild
		Hyperplasia	Moderate
		Hypertrophy	Mild
* Adrenal Medulla		Hyperplasia	Mild
		Pheochromocytoma Benign	
* Clitoral Gland	Duct	Cyst	Mild
Eye			
Note: One optic nerve missing.			
Harderian Gland		Inflammation	Minimal
* Kidney		Mineralization	Minimal
		Nephropathy	Moderate
* Liver		Fatty Change	Diffuse, Moderate
	Bile Duct	Fibrosis	Minimal
	Bile Duct	Hyperplasia	Mild
	Oval Cell	Hyperplasia	Moderate
		Hyperplasia	Nodular
	Hepatocyte	Hypertrophy	Minimal
		Inflammation	Mild
		Mixed Cell Focus	Multiple
		Pigmentation	Mild
		Toxic Hepatopathy	Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 414	**TRT#:** 5	**SEX:** Female	**DAY ON TEST:** 731
	DOSE: 46 NG/KG	**DISP:** Terminal Sacrifice	**HISTO:** 2002426

ORGAN AND ACCOUNTABLE SITE STATUS

[Hyperplasia TGLS = 3-11]			
[Mixed Cell Focus TGLS = 2-6+7]			
* Lung		Infiltration Cellular	Histiocyte, Mild
	Alveolar Epith	Metaplasia	Bronchiolar, Moderate
Note: Left lung frozen for NTP.			
[Infiltration Cellular TGLS = 7-4]			
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 8-14]			
Oral Mucosa	Gingival	Hyperplasia	Squamous, Mild
* Ovary		Atrophy	Marked
		Granulosa Cell Tumor Malignant	
Note: The granulosa tumor was cystic.			
[Granulosa Cell Tumor Malignant TGLS = 9-10]			
* Pancreas	Acinus	Vacuolization Cytoplasmic	Mild
* Pituitary Gland		Angiectasis	Minimal
	Pars Distalis	Hyperplasia	Mild
* Skin		Hyperplasia	Squamous, Mild
		Ulcer	Mild
Note: The lesions were covered with an exudate of keratin, erythrocytes, leukocytes and a proteinaceous material.			
[Hyperplasia TGLS = 1-12]			
[Ulcer TGLS = 1-12]			
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Mild
* Thymus		Atrophy	Mild
* Thyroid Gland	C Cell	Adenoma	
[Adenoma TGLS = 6-8]			
Tooth	Peridont Tiss	Inflammation	Minimal
* Uterus		Carcinoma	
	Endometrium	Hyperplasia	Cystic, Moderate
[Carcinoma TGLS = 5-13]			
[Hyperplasia TGLS = 4-13]			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 414	**TRT#:** 5	**SEX:** Female	**DAY ON TEST:** 731
	DOSE: 46 NG/KG	**DISP:** Terminal Sacrifice	**HISTO:** 2002426

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH	-

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 415	**TRT#:** 5	**SEX:** Female	**DAY ON TEST:** 731
	DOSE: 46 NG/KG	**DISP:** Terminal Sacrifice	**HISTO:** 2002427

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Adenoma	
		Angiectasis	Mild
		Degeneration	Cystic, Mild
		Hyperplasia	Moderate
		Hypertrophy	Mild
		Vacuolization Cytoplasmic	Mild
* Clitoral Gland	Duct	Cyst	Moderate
		Inflammation	Moderate
Eye			
Note: One optic nerve missing.			
* Heart		Cardiomyopathy	Minimal
* Kidney	Transit Epithe	Hyperplasia	Mild
		Nephropathy	Minimal
* Liver		Fatty Change	Diffuse, Minimal
	Bile Duct	Hyperplasia	Mild
	Oval Cell	Hyperplasia	Mild
	Hepatocyte	Hypertrophy	Minimal
		Inflammation	Minimal
		Mixed Cell Focus	Multiple
	Hepatocyte	Multinucleated	Mild
		Pigmentation	Mild
		Toxic Hepatopathy	Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 415	**TRT#:** 5	**SEX:** Female	**DAY ON TEST:** 731
	DOSE: 46 NG/KG	**DISP:** Terminal Sacrifice	**HISTO:** 2002427

ORGAN AND ACCOUNTABLE SITE STATUS

[Mixed Cell Focus TGLS = 3,4-6+7]			
* Lung		Infiltration Cellular	Histiocyte, Mild
	Alveolar Epith	Metaplasia	Bronchiolar, Mild
Note: Left lung frozen for NTP.			
[Infiltration Cellular TGLS = 5-4]			
* Mammary Gland		Fibroadenoma	Multiple
		Hyperplasia	Minimal
[Fibroadenoma TGLS = 1,2-11+12]			
* Ovary		Atrophy	Marked
* Pancreas	Acinus	Vacuolization Cytoplasmic	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Mild
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Adenoma	
		Angiectasis	Mild
	C Cell	Carcinoma	
[Adenoma TGLS = 6,7-8]			
[Carcinoma TGLS = 6,7-8]			
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
		Metaplasia	Squamous, Mild
		Polyp Stromal	
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 416	**TRT#:** 5	**SEX:** Female	**DAY ON TEST:** 474
	DOSE: 46 NG/KG	**DISP:** Moribund Sacrifice	**HISTO:** 2002428

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
		Hypertrophy	Mild
* Bone Marrow		Hyperplasia	Moderate
Eye			
Note: Both optic nerves missing.			
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Eosinophilic Focus	Multiple
		Fatty Change	Diffuse, Minimal
	Hepatocyte	Hypertrophy	Minimal
		Inflammation	Minimal
		Mixed Cell Focus	Multiple
		Pigmentation	Minimal
		Toxic Hepatopathy	Minimal
[Eosinophilic Focus TGLS = 2-12]			
* Lung		Infiltration Cellular	Histiocyte, Mild
	Alveolar Epith	Metaplasia	Bronchiolar, Mild
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-11]			
* Nose	Respirat Epith	Cyst	Mild
		Inflammation	Mild

Note: A cyst-like dilatation with a filling of the lumen with a basophilic material occurred in the glands of the respiratory epithelium.

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 416	**TRT#:** 5	**SEX:** Female	**DAY ON TEST:** 474
	DOSE: 46 NG/KG	**DISP:** Moribund Sacrifice	**HISTO:** 2002428

ORGAN AND ACCOUNTABLE SITE STATUS

Oral Mucosa	Gingival	Hyperplasia	Squamous, Mild
Note: The hyperplastic area contained multiple hair shafts.			
* Ovary		Atrophy	Marked
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Minimal
* Thymus		Atrophy	Moderate
Tooth	Peridont Tiss	Inflammation	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
		Metaplasia	Squamous, Mild

PRIMARY CAUSE OF DEATH - Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 417	**TRT#:** 5	**SEX:** Female	**DAY ON TEST:** 589
	DOSE: 46 NG/KG	**DISP:** Natural Death	**HISTO:** 2002429

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Esophagus	Eye
Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Skin	* Stomach, Forestomach	* Trachea	

MISSING

* Lymph Node, Mandibular	* Parathyroid Gland	* Salivary Glands

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Mild
Blood Vessel	Aorta	Mineralization	Mild
* Bone Marrow		Hyperplasia	Moderate
* Brain		Inflammation	Suppurative, Moderate
	Artery	Thrombosis	Moderate
* Clitoral Gland	Duct	Cyst	Moderate
[Cyst TGLS = 5-10]			
Eye			
Note: One eye cannibalized. No optic nerve present on other eye.			
Harderian Gl			
Note: One Harderian gland cannibalized.			
* Heart		Cardiomyopathy	Mild
		Mineralization	Mild
* Kidney		Calculus Micro Observation Only	
		Cyst	Mild
		Mineralization	Moderate
* Liver		Carcinoma	Metastatic (Uterus)
		Cholangiofibrosis	Mild
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Minimal
	Hepatocyte	Multinucleated	Minimal
		Pigmentation	Mild
		Toxic Hepatopathy	Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 417	**TRT#:** 5	**SEX:** Female	**DAY ON TEST:** 589
	DOSE: 46 NG/KG	**DISP:** Natural Death	**HISTO:** 2002429

ORGAN AND ACCOUNTABLE SITE STATUS

[Carcinoma TGLS = 9-7]			
* Lung		Edema	Mild
		Mineralization	Minimal
* Lym Node Mand			
Note: The mandiblar lymph nodes were cannibalized.			
Lymph Node	Lumbar	Carcinoma	Metastatic (Uterus)
[Carcinoma TGLS = 6-12]			
* Lymph Node, Mesenteric		Hemorrhage	Moderate
* Mammary Gland		Hyperplasia	Minimal
Mesentery		Carcinoma	Metastatic (Uterus)
[Carcinoma TGLS = 1-12]			
* Nose	Olfactory Epi	Inflammation	Moderate
* Ovary		Atrophy	Marked
* Pancreas		Carcinoma	Metastatic (Uterus)
[Carcinoma TGLS = 2-6]			
* Pituitary Gland	Pars Distalis	Adenoma	
		Vacuolization Cytoplasmic	Mild
[Adenoma TGLS = 8-8]			
* Saliv Glands			
Note: The salivary glands were cannibalized.			
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Mild
* Stomach, Glandular		Mineralization	Mild
* Thymus		Atrophy	Moderate
* Thyroid Gland	Follicular Cel	Carcinoma	
Note: The tumor appeared to be a follicular carcinoma but autolysis precluded a certain diagnosis.			
[Carcinoma TGLS = 7-8]			
Tooth	Peridont Tiss	Inflammation	Marked
* Urinary Bladder	Transit Epithe	Carcinoma	
[Carcinoma TGLS = 4-5]			
* Uterus		Inflammation	Suppurative, Moderate

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 417	**TRT#:** 5	**SEX:** Female	**DAY ON TEST:** 589
	DOSE: 46 NG/KG	**DISP:** Natural Death	**HISTO:** 2002429

ORGAN AND ACCOUNTABLE SITE STATUS

Squamous Cell Carcinoma

[Squamous Cell Carcinoma TGLS = 3-11]

PRIMARY CAUSE OF DEATH - Uterus Squamous Cell Carcinoma

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 418	**TRT#:** 5	**SEX:** Female	**DAY ON TEST:** 590
	DOSE: 46 NG/KG	**DISP:** Moribund Sacrifice	**HISTO:** 2002430

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Atrophy	Moderate
		Hyperplasia	Mild
		Hypertrophy	Mild
* Bone Marrow		Hyperplasia	Moderate
* Clitoral Gland	Duct	Cyst	Mild
		Inflammation	Mild
Eye			
Note: One optic nerve missing.			
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Cholangiofibrosis	Minimal
		Eosinophilic Focus	Multiple
	Bile Duct	Fibrosis	Mild
	Bile Duct	Hyperplasia	Mild
	Oval Cell	Hyperplasia	Mild
	Hepatocyte	Hypertrophy	Moderate
		Inflammation	Minimal
	Hepatocyte	Multinucleated	Moderate
		Pigmentation	Moderate
		Toxic Hepatopathy	Mild
* Lung		Infiltration Cellular	Histiocyte, Mild
	Alveolar Epith	Metaplasia	Bronchiolar, Moderate

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 418	**TRT#:** 5	**SEX:** Female	**DAY ON TEST:** 590
	DOSE: 46 NG/KG	**DISP:** Moribund Sacrifice	**HISTO:** 2002430

ORGAN AND ACCOUNTABLE SITE STATUS

[Infiltration Cellular TGLS = 4-3+4]			
Lymph Node	Mediastinal	Ectasia	Mild
[Ectasia TGLS = 3-13]			
* Lymph Node, Mandibular		Ectasia	Mild
		Hyperplasia	Plasma Cell, Mild
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-11]			
* Ovary		Atrophy	Marked
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Mild
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Minimal
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Adenoma	
	C Cell	Hyperplasia	Mild
* Uterus		Polyp Stromal	
[Polyp Stromal TGLS = 2-12]			
PRIMARY CAUSE OF DEATH	- Mammary Gland Fibroadenoma		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 419	**TRT#:** 5	**SEX:** Female	**DAY ON TEST:** 701
	DOSE: 46 NG/KG	**DISP:** Moribund Sacrifice	**HISTO:** 2002431

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Thymus

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
		Hyperplasia	Moderate
		Hypertrophy	Mild
* Bone Marrow		Hyperplasia	Moderate
* Clitoral Gland	Duct	Cyst	Moderate
		Inflammation	Mild
[Cyst TGLS = 3-10]			
Eye			
Note: One optic nerve missing.			
Harderian Gland		Inflammation	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Cholangiofibrosis	Moderate
		Eosinophilic Focus	Multiple
	Portal	Fibrosis	Minimal
	Bile Duct	Hyperplasia	Mild
	Oval Cell	Hyperplasia	Moderate
		Hyperplasia	Nodular
	Hepatocyte	Hypertrophy	Minimal
		Inflammation	Minimal
		Mixed Cell Focus	Multiple

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 419	**TRT#:** 5	**SEX:** Female	**DAY ON TEST:** 701
	DOSE: 46 NG/KG	**DISP:** Moribund Sacrifice	**HISTO:** 2002431

ORGAN AND ACCOUNTABLE SITE STATUS

	Hepatocyte	Multinucleated	Minimal
		Necrosis	Minimal
		Pigmentation	Mild
		Toxic Hepatopathy	Moderate
[Hyperplasia TGLS = 6,7-12+13]			
[Mixed Cell Focus TGLS = 5,8-6+7+14]			
* Lung		Infiltration Cellular	Histiocyte, Mild
	Alveolar Epith	Metaplasia	Bronchiolar, Mild
Lymph Node	Inguinal	Ectasia	Mild
[Ectasia TGLS = 4-15]			
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Minimal
[Fibroadenoma TGLS = 1-11]			
* Nose		Inflammation	Minimal
* Ovary		Atrophy	Marked
		Cyst	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Minimal
* Uterus		Inflammation	Suppurative, Moderate
		Metaplasia	Squamous, Marked
Note: The lumen of the uterus was dilated and filled with a keratin-like material and inflammatory cells.			
[Metaplasia TGLS = 2-10]			

PRIMARY CAUSE OF DEATH - Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 420	**TRT#:** 5	**SEX:** Female	**DAY ON TEST:** 214
	DOSE: 46 NG/KG	**DISP:** Scheduled Sacrifice	**HISTO:** 2002432

***** NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 421	**TRT#:** 5	**SEX:** Female	**DAY ON TEST:** 94
	DOSE: 46 NG/KG	**DISP:** Scheduled Sacrifice	**HISTO:** 2002433

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
* Adrenal Cortex	* Lung	* Pancreas	* Thymus
* Thyroid Gland			
OBSERVATIONS			
* Liver	Hepatocyte	Hypertrophy	Mild
		Inflammation	Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 422	**TRT#:** 5	**SEX:** Female	**DAY ON TEST:** 94
	DOSE: 46 NG/KG	**DISP:** Scheduled Sacrifice	**HISTO:** 2002434

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
* Adrenal Cortex	* Lung	* Pancreas	* Thymus
* Thyroid Gland			
OBSERVATIONS			
* Liver	Hepatocyte	Hypertrophy	Minimal
		Inflammation	Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 423	**TRT#:** 5	**SEX:** Female	**DAY ON TEST:** 94
	DOSE: 46 NG/KG	**DISP:** Scheduled Sacrifice	**HISTO:** 2002435

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
* Adrenal Cortex	* Pancreas	* Thymus	* Thyroid Gland
OBSERVATIONS			
* Liver	Hepatocyte	Hypertrophy	Mild
		Inflammation	Minimal
* Lung		Inflammation	Chronic, Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 424	**TRT#:** 5	**SEX:** Female	**DAY ON TEST:** 94
	DOSE: 46 NG/KG	**DISP:** Scheduled Sacrifice	**HISTO:** 2002436

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
* Lung	* Pancreas	* Thyroid Gland	
OBSERVATIONS			
* Adrenal Cortex		Hypertrophy	Minimal
* Liver	Hepatocyte	Hypertrophy	Minimal
		Inflammation	Mild
* Thymus		Atrophy	Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 425	**TRT#:** 5	**SEX:** Female	**DAY ON TEST:** 94
	DOSE: 46 NG/KG	**DISP:** Scheduled Sacrifice	**HISTO:** 2002437

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
* Adrenal Cortex	* Lung	* Pancreas	* Thymus
OBSERVATIONS			
* Liver	Hepatocyte	Hypertrophy	Mild
		Inflammation	Minimal
* Thyroid Gland	Follicular Cel	Hypertrophy	Marked
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 426	**TRT#:** 5	**SEX:** Female	**DAY ON TEST:** 141
	DOSE: 46 NG/KG	**DISP:** Moribund Sacrifice	**HISTO:** 2002438

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Esophagus	Eye	Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Ovary	* Pancreas
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Thymus	* Thyroid Gland	* Trachea	

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Minimal
* Bone Marrow		Hyperplasia	Marked
* Clitoral Gland	Duct	Cyst	Minimal
* Kidney		Nephropathy	Minimal
* Liver	Hepatocyte	Hypertrophy	Minimal
		Inflammation	Mild
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Minimal
[Fibroadenoma TGLS = 1-11+12]			
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Minimal
* Stomach, Glandular		Mineralization	Minimal
* Urinary Bladder		Inflammation	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal
		Inflammation	Suppurative, Minimal

PRIMARY CAUSE OF DEATH - Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 427	**TRT#:** 5	**SEX:** Female	**DAY ON TEST:** 733
	DOSE: 46 NG/KG	**DISP:** Terminal Sacrifice	**HISTO:** 2002439

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Atrophy	Minimal
		Hypertrophy	Minimal
* Bone Marrow		Hyperplasia	Moderate
Eye			
Note: One optic nerve missing.			
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Minimal
* Liver		Eosinophilic Focus	Multiple
	Oval Cell	Hyperplasia	Minimal
		Hyperplasia	Nodular
	Hepatocyte	Hypertrophy	Moderate
		Inflammation	Minimal
		Necrosis	Mild
		Pigmentation	Mild
		Toxic Hepatopathy	Minimal
[Eosinophilic Focus TGLS = 6-6+7]			
[Hyperplasia TGLS = 7-14]			
* Lung		Infiltration Cellular	Histiocyte, Mild
	Alveolar Epith	Metaplasia	Bronchiolar, Minimal
[Infiltration Cellular TGLS = 8-3+4]			
* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 1,2-11+12]			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 427	**TRT#:** 5	**SEX:** Female	**DAY ON TEST:** 733
	DOSE: 46 NG/KG	**DISP:** Terminal Sacrifice	**HISTO:** 2002439

ORGAN AND ACCOUNTABLE SITE STATUS

* Ovary		Atrophy	Marked
		Cyst	Mild
[Cyst TGLS = 4-10]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Spleen		Hemangiosarcoma	
		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Minimal
[Hemangiosarcoma TGLS = 5-13]			
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Minimal
	Follicular Cel	Hypertrophy	Minimal
* Uterus		Inflammation	Suppurative, Mild
		Metaplasia	Squamous, Marked

Note: The lumen of the uterus was dilated and contained a keratin-like material and inflammatory cells.
[Metaplasia TGLS = 3-10]

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 428	**TRT#:** 5	**SEX:** Female	**DAY ON TEST:** 694
	DOSE: 46 NG/KG	**DISP:** Moribund Sacrifice	**HISTO:** 2002440

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Mild
		Hyperplasia	Mild
		Hypertrophy	Moderate
		Vacuolization Cytoplasmic	Minimal
* Bone Marrow		Hyperplasia	Marked
* Clitoral Gland	Duct	Cyst	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Carcinoma	Metastatic (Uterus)
		Eosinophilic Focus	Multiple
		Hematopoietic Cell Proliferation	Mild
	Bile Duct	Hyperplasia	Minimal
	Oval Cell	Hyperplasia	Minimal
	Hepatocyte	Hypertrophy	Marked
		Inflammation	Minimal
	Hepatocyte	Multinucleated	Mild
		Pigmentation	Mild
		Toxic Hepatopathy	Mild
[Carcinoma TGLS = 3-13]			
[Eosinophilic Focus TGLS = 5-14]			
* Lung		Infiltration Cellular	Histiocyte, Mild
	Alveolar Epith	Metaplasia	Bronchiolar, Mild
* Mammary Gland		Fibroadenoma	

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 428	**TRT#:** 5	**SEX:** Female	**DAY ON TEST:** 694
	DOSE: 46 NG/KG	**DISP:** Moribund Sacrifice	**HISTO:** 2002440

ORGAN AND ACCOUNTABLE SITE STATUS

[Fibroadenoma TGLS = 1-11]

* Ovary		Atrophy	Marked

Note: Except for a possible follicle, one ovary was destroyed by the tumor in the uterus.

* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Mild
* Spleen		Hematopoietic Cell Proliferation	Moderate
		Pigmentation	Minimal
* Stomach, Forestomach		Hyperplasia	Squamous, Moderate
* Thymus		Atrophy	Marked
* Thyroid Gland	Follicular Cel	Hypertrophy	Minimal
* Uterus		Metaplasia	Squamous, Moderate
		Squamous Cell Carcinoma	

Note: The squamous cell carcinoma was of uncertain origin, probably oviduct, but squamous cell carcinoma was not an option under oviduct so it was placed under uterus

Note: The lumen of the uterine horn with squamous metaplasia was dilated.

[Metaplasia TGLS = 4-10]

[Squamous Cell Carcinoma TGLS = 2-12]

PRIMARY CAUSE OF DEATH - Uterus Squamous Cell Carcinoma

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 429	**TRT#:** 5	**SEX:** Female	**DAY ON TEST:** 214
	DOSE: 46 NG/KG	**DISP:** Scheduled Sacrifice	**HISTO:** 2002441

***** NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 430	**TRT#:** 5	**SEX:** Female	**DAY ON TEST:** 731
	DOSE: 46 NG/KG	**DISP:** Terminal Sacrifice	**HISTO:** 2002442

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Esophagus	Eye	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Trachea

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
		Hyperplasia	Mild
		Hypertrophy	Moderate
		Vacuolization Cytoplasmic	Minimal
* Clitoral Gland	Duct	Cyst	Mild
		Inflammation	Mild
Eye			
Note: One optic nerve missing.			
Harderian Gland		Inflammation	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney	Transit Epithe	Hyperplasia	Mild
	Pelvis	Inflammation	Mild
		Nephropathy	Minimal
* Liver		Cholangiofibrosis	Marked
		Fatty Change	Diffuse, Minimal
	Bile Duct	Hyperplasia	Minimal
	Oval Cell	Hyperplasia	Minimal
	Hepatocyte	Hypertrophy	Minimal
		Inflammation	Mild
		Mixed Cell Focus	Multiple
	Hepatocyte	Multinucleated	Minimal
		Pigmentation	Mild
		Toxic Hepatopathy	Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 430	**TRT#:** 5	**SEX:** Female	**DAY ON TEST:** 731
	DOSE: 46 NG/KG	**DISP:** Terminal Sacrifice	**HISTO:** 2002442

ORGAN AND ACCOUNTABLE SITE STATUS

[Mixed Cell Focus TGLS = 1-11]			
* Lung		Infiltration Cellular	Histiocyte, Mild
	Alveolar Epith	Metaplasia	Bronchiolar, Minimal
Note: Left lung frozen for NTP.			
Oral Mucosa	Gingival	Hyperplasia	Squamous, Mild
Note: Hair was embedded in the hyperplastic epithelium.			
* Ovary		Atrophy	Marked
* Pancreas	Acinus	Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Mild
[Adenoma TGLS = 3-8]			
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Mild
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Moderate
Tooth	Peridont Tiss	Inflammation	Minimal
* Urinary Bladder	Transit Epithe	Hyperplasia	Mild
		Inflammation	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate
		Metaplasia	Squamous, Minimal
[Hyperplasia TGLS = 2-10]			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 431	**TRT#:** 5	**SEX:** Female	**DAY ON TEST:** 94
	DOSE: 46 NG/KG	**DISP:** Scheduled Sacrifice	**HISTO:** 2002443

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
* Adrenal Cortex	* Lung	Lymph Node	* Pancreas
* Thymus	* Thyroid Gland		
OBSERVATIONS			
* Liver	Hepatocyte	Hypertrophy	Mild
		Inflammation	Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 432	**TRT#:** 5	**SEX:** Female	**DAY ON TEST:** 94
	DOSE: 46 NG/KG	**DISP:** Scheduled Sacrifice	**HISTO:** 2002444

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
* Adrenal Cortex	* Lung	Lymph Node	* Pancreas
OBSERVATIONS			
* Liver	Hepatocyte	Hypertrophy	Mild
		Inflammation	Minimal
* Thymus		Atrophy	Minimal
* Thyroid Gland	Follicular Cel	Hypertrophy	Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 433	**TRT#:** 5	**SEX:** Female	**DAY ON TEST:** 94
	DOSE: 46 NG/KG	**DISP:** Scheduled Sacrifice	**HISTO:** 2002445

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
* Adrenal Cortex	* Lung	* Pancreas	* Thyroid Gland
OBSERVATIONS			
* Liver	Hepatocyte	Hypertrophy	Mild
		Inflammation	Mild
		Mixed Cell Focus	
* Thymus		Atrophy	Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 434	**TRT#:** 5	**SEX:** Female	**DAY ON TEST:** 94
	DOSE: 46 NG/KG	**DISP:** Scheduled Sacrifice	**HISTO:** 2002446

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
* Adrenal Cortex	* Lung	* Pancreas	* Thymus
OBSERVATIONS			
* Liver	Hepatocyte	Hypertrophy	Mild
		Inflammation	Minimal
* Thyroid Gland	Follicular Cel	Hypertrophy	Moderate
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 435	**TRT#:** 5	**SEX:** Female	**DAY ON TEST:** 94
	DOSE: 46 NG/KG	**DISP:** Scheduled Sacrifice	**HISTO:** 2002447

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
* Adrenal Cortex	* Lung	* Pancreas	
OBSERVATIONS			
* Liver	Hepatocyte	Hypertrophy	Minimal
		Inflammation	Minimal
* Thymus		Atrophy	Minimal
* Thyroid Gland	Follicular Cel	Hypertrophy	Moderate
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 436	**TRT#:** 5	**SEX:** Female	**DAY ON TEST:** 213
	DOSE: 46 NG/KG	**DISP:** Scheduled Sacrifice	**HISTO:** 2002448

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
* Lung	* Pancreas		
OBSERVATIONS			
* Adrenal Cortex		Hypertrophy	Minimal
* Liver	Hepatocyte	Hypertrophy	Mild
		Inflammation	Mild
	Hepatocyte	Multinucleated	Minimal
		Pigmentation	Minimal
* Thymus		Atrophy	Minimal
* Thyroid Gland	Follicular Cel	Hypertrophy	Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 437	**TRT#:** 5	**SEX:** Female	**DAY ON TEST:** 213
	DOSE: 46 NG/KG	**DISP:** Scheduled Sacrifice	**HISTO:** 2002449

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
* Adrenal Cortex	* Lung	* Pancreas	
OBSERVATIONS			
* Liver	Hepatocyte	Hypertrophy	Minimal
		Inflammation	Minimal
		Pigmentation	Minimal
* Thymus		Atrophy	Mild
* Thyroid Gland	Follicular Cel	Hypertrophy	Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 438	**TRT#:** 5	**SEX:** Female	**DAY ON TEST:** 213
	DOSE: 46 NG/KG	**DISP:** Scheduled Sacrifice	**HISTO:** 2002450

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
* Adrenal Cortex	* Lung	* Pancreas	* Thymus
* Thyroid Gland			
OBSERVATIONS			
* Liver	Hepatocyte	Hypertrophy	Minimal
		Inflammation	Mild
		Mixed Cell Focus	
	Hepatocyte	Multinucleated	Minimal
		Pigmentation	Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 439	**TRT#:** 5	**SEX:** Female	**DAY ON TEST:** 213
	DOSE: 46 NG/KG	**DISP:** Scheduled Sacrifice	**HISTO:** 2002451

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
* Adrenal Cortex	* Lung	* Thyroid Gland	
OBSERVATIONS			
* Liver		Angiectasis	Mild
	Hepatocyte	Hypertrophy	Minimal
		Inflammation	Minimal
		Mixed Cell Focus	
		Pigmentation	Minimal
* Pancreas	Acinus	Atrophy	Minimal
* Thymus		Atrophy	Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 440	**TRT#:** 5	**SEX:** Female	**DAY ON TEST:** 213
	DOSE: 46 NG/KG	**DISP:** Scheduled Sacrifice	**HISTO:** 2002452

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
* Adrenal Cortex	* Lung	* Pancreas	* Thyroid Gland
OBSERVATIONS			
* Liver		Inflammation	Mild
		Pigmentation	Minimal
* Thymus		Atrophy	Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 441	**TRT#:** 5	**SEX:** Female	**DAY ON TEST:** 368
	DOSE: 46 NG/KG	**DISP:** Scheduled Sacrifice	**HISTO:** 2002453

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
* Adrenal Cortex	* Lung	* Pancreas	* Thyroid Gland
OBSERVATIONS			
* Liver	Bile Duct	Hyperplasia	Minimal
	Hepatocyte	Hypertrophy	Mild
		Inflammation	Minimal
		Mixed Cell Focus	Multiple
		Pigmentation	Minimal
		Toxic Hepatopathy	Mild
[Mixed Cell Focus TGLS = 1-5,6]			
* Thymus		Atrophy	Moderate
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 442	**TRT#:** 5	**SEX:** Female	**DAY ON TEST:** 368
	DOSE: 46 NG/KG	**DISP:** Scheduled Sacrifice	**HISTO:** 2002454

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
* Lung	* Pancreas		
OBSERVATIONS			
* Adrenal Cortex		Hyperplasia	Mild
		Hypertrophy	Minimal
* Liver		Cholangiofibrosis	Moderate
	Bile Duct	Hyperplasia	Minimal
	Hepatocyte	Hypertrophy	Mild
		Inflammation	Mild
		Mixed Cell Focus	Multiple
		Pigmentation	Mild
		Toxic Hepatopathy	Moderate
Note: The bile ducts in one focal area were dilated and contained a mucous-like material. Bile duct epithelium was hyperplastic also.			
* Thymus		Atrophy	Marked
* Thyroid Gland	Follicular Cel	Hypertrophy	Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 443	**TRT#:** 5	**SEX:** Female	**DAY ON TEST:** 214
	DOSE: 46 NG/KG	**DISP:** Scheduled Sacrifice	**HISTO:** 2002455

***** NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 444	**TRT#:** 5	**SEX:** Female	**DAY ON TEST:** 368
	DOSE: 46 NG/KG	**DISP:** Scheduled Sacrifice	**HISTO:** 2002456

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
* Pancreas	* Thyroid Gland		
OBSERVATIONS			
* Adrenal Cortex		Hypertrophy	Minimal
* Liver	Hepatocyte	Hypertrophy	Mild
		Inflammation	Mild
		Mixed Cell Focus	Multiple
		Pigmentation	Mild
		Toxic Hepatopathy	Minimal
* Lung		Infiltration Cellular	Histiocyte, Mild
* Thymus		Atrophy	Moderate
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 445	**TRT#:** 5	**SEX:** Female	**DAY ON TEST:** 185
	DOSE: 46 NG/KG	**DISP:** Moribund Sacrifice	**HISTO:** 2002457

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Esophagus	Eye	Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Uterus		

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Mild
* Bone Marrow		Hyperplasia	Marked
* Clitoral Gland	Duct	Cyst	Minimal
		Inflammation	Minimal
Eye			
Note: One optic nerve missing.			
* Kidney	Transit Epithe	Hyperplasia	Minimal
		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Fatty Change	Diffuse, Moderate
	Hepatocyte	Hypertrophy	Moderate
		Inflammation	Mild
		Necrosis	Mild
		Pigmentation	Mild
		Toxic Hepatopathy	Minimal
Note: The fine vacuolization of hepatocytes was primarily centrilobular. [Fatty Change TGLS = 2-6+7]			
* Mammary Gland		Hyperplasia	Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Thymus		Atrophy	Marked
* Urinary Bladder	Transit Epithe	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 445	**TRT#:** 5	**SEX:** Female	**DAY ON TEST:** 185
	DOSE: 46 NG/KG	**DISP:** Moribund Sacrifice	**HISTO:** 2002457

ORGAN AND ACCOUNTABLE SITE STATUS

		Inflammation	Mild
PRIMARY CAUSE OF DEATH	- UNCERTAIN		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 446	**TRT#:** 5	**SEX:** Female	**DAY ON TEST:** 657
	DOSE: 46 NG/KG	**DISP:** Natural Death	**HISTO:** 2002458

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Clitoral Gland

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
		Hypertrophy	Minimal
		Necrosis	Moderate
* Bone Marrow		Hyperplasia	Marked
Eye			
Note: One optic nerve missing.			
* Heart		Cardiomyopathy	Minimal
* Kidney	Pelvis	Dilatation	Moderate
		Inflammation	Suppurative, Moderate
		Mineralization	Moderate
[Dilatation TGLS = 5-5]			
[Inflammation TGLS = 6-5]			
* Liver	Centrilobular, Hepatocyte	Atrophy	Mild
	Portal	Fibrosis	Mild
	Bile Duct	Hyperplasia	Minimal
	Oval Cell	Hyperplasia	Minimal
		Inflammation	Minimal
	Hepatocyte	Multinucleated	Mild
		Pigmentation	Mild
		Toxic Hepatopathy	Minimal
[Fibrosis TGLS = 4-6+7]			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 446	**TRT#:** 5	**SEX:** Female	**DAY ON TEST:** 657
	DOSE: 46 NG/KG	**DISP:** Natural Death	**HISTO:** 2002458

ORGAN AND ACCOUNTABLE SITE STATUS

* Lung		Infiltration Cellular	Histiocyte, Mild
	Alveolar Epith	Metaplasia	Bronchiolar, Minimal
[Infiltration Cellular TGLS = 7-3+4]			
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Minimal
[Fibroadenoma TGLS = 1-11]			
* Nose	Nasolacrim Dct, Respirat Epith	Hyperplasia	Mild
Oral Mucosa	Gingival	Hyperplasia	Squamous, Mild
Note: A cyst-like keratin filled cavity was formed by the hyperplastic oral mucosa.			
* Ovary		Atrophy	Marked
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Moderate
[Adenoma TGLS = 2-8]			
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Minimal
* Thymus		Atrophy	Marked
* Urinary Bladder	Transit Epithe	Hyperplasia	Mild
		Inflammation	Moderate
* Uterus	Endometrium	Hyperplasia	Cystic, Marked
	Cervix	Inflammation	Suppurative, Moderate
		Metaplasia	Squamous, Moderate
		Squamous Cell Carcinoma	
[Squamous Cell Carcinoma TGLS = 3-12]			

PRIMARY CAUSE OF DEATH	- Kidney	Inflammation
CONTRIBUTORY CAUSE OF DEATH	- Uterus	Squamous Cell Carcinoma

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 447	**TRT#:** 5	**SEX:** Female	**DAY ON TEST:** 317
	DOSE: 46 NG/KG	**DISP:** Natural Death	**HISTO:** 2002459

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Eye			
Note: One optic nerve missing.			
Harderian Gland		Inflammation	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Hemorrhage	Moderate
	Bile Duct	Hyperplasia	Minimal
	Hepatocyte	Hypertrophy	Minimal
		Inflammation	Minimal
	Hepatocyte	Multinucleated	Minimal
		Necrosis	Moderate
		Pigmentation	Minimal
Note: The necrosis and hemorrhage involved the caudate lobe and was probably the result of torsion.			
[Hemorrhage TGLS = 1-11]			
Oral Mucosa	Gingival	Hyperplasia	Squamous, Minimal
* Ovary		Atrophy	Marked
* Spleen		Pigmentation	Mild
Tooth	Peridont Tiss	Inflammation	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal
		Inflammation	Suppurative, Mild
		Metaplasia	Squamous, Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 447	**TRT#:** 5	**SEX:** Female	**DAY ON TEST:** 317
	DOSE: 46 NG/KG	**DISP:** Natural Death	**HISTO:** 2002459

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH	- Liver Necrosis

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 448	**TRT#:** 5	**SEX:** Female	**DAY ON TEST:** 733
	DOSE: 46 NG/KG	**DISP:** Terminal Sacrifice	**HISTO:** 2002460

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
		Degeneration	Cystic, Mild
		Hyperplasia	Mild
		Hypertrophy	Marked
* Adrenal Medulla		Hyperplasia	Mild
* Bone Marrow		Hyperplasia	Mild
* Clitoral Gland	Duct	Cyst	Minimal
Eye			
Note: One optic nerve missing.			
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Cholangiocarcinoma	
		Fatty Change	Diffuse, Minimal
	Bile Duct	Hyperplasia	Minimal
	Oval Cell	Hyperplasia	Mild
		Inflammation	Minimal
		Mixed Cell Focus	Multiple
	Hepatocyte	Multinucleated	Minimal
		Pigmentation	Minimal
		Toxic Hepatopathy	Mild

[Cholangiocarcinoma TGLS = 1-11]
[Mixed Cell Focus TGLS = 1-6+7+11]

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 448	**TRT#:** 5	**SEX:** Female	**DAY ON TEST:** 733
	DOSE: 46 NG/KG	**DISP:** Terminal Sacrifice	**HISTO:** 2002460

ORGAN AND ACCOUNTABLE SITE STATUS

* Lung		Alveolar/Bronchiolar Adenoma	Multiple
		Infiltration Cellular	Histiocyte, Mild
	Alveolar Epith	Metaplasia	Bronchiolar, Mild
[Alveolar/Bronchiolar Adenoma TGLS = 2-4]			
* Mammary Gland		Hyperplasia	Minimal
* Ovary		Atrophy	Marked
		Cyst	Mild
* Pancreas	Acinus	Hyperplasia	Moderate
	Acinus	Vacuolization Cytoplasmic	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
* Salivary Glands		Atrophy	Mild
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Mild
* Thymus		Atrophy	Marked
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate
		Polyp Stromal	
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 449	**TRT#:** 5	**SEX:** Female	**DAY ON TEST:** 732
	DOSE: 46 NG/KG	**DISP:** Terminal Sacrifice	**HISTO:** 2002461

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
		Hyperplasia	Minimal
		Hypertrophy	Mild
* Bone Marrow		Hyperplasia	Mild
* Clitoral Gland	Duct	Cyst	Moderate
		Inflammation	Marked
[Cyst TGLS = 3-10]			
* Esophagus	Muscularis	Inflammation	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Eosinophilic Focus	Multiple
	Bile Duct	Hyperplasia	Minimal
	Oval Cell	Hyperplasia	Minimal
		Inflammation	Minimal
		Mixed Cell Focus	Multiple
	Hepatocyte	Multinucleated	Minimal
		Pigmentation	Mild
		Toxic Hepatopathy	Mild
[Mixed Cell Focus TGLS = 2-6+7]			
* Lung		Infiltration Cellular	Histiocyte, Moderate
	Alveolar Epith	Metaplasia	Bronchiolar, Mild
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 449	**TRT#:** 5	**SEX:** Female	**DAY ON TEST:** 732
	DOSE: 46 NG/KG	**DISP:** Terminal Sacrifice	**HISTO:** 2002461

ORGAN AND ACCOUNTABLE SITE STATUS

* Mammary Gland		Fibroadenoma	
		Hyperplasia	Minimal
[Fibroadenoma TGLS = 1-11]			
* Ovary		Atrophy	Marked
* Pancreas	Acinus	Vacuolization Cytoplasmic	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Mild
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Adenoma	
	Follicular Cel	Hypertrophy	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal
		Metaplasia	Squamous, Moderate
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 450	**TRT#:** 5	**SEX:** Female	**DAY ON TEST:** 732
	DOSE: 46 NG/KG	**DISP:** Terminal Sacrifice	**HISTO:** 2002462

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
		Hypertrophy	Mild
* Bone Marrow		Hyperplasia	Mild
* Clitoral Gland	Duct	Cyst	Moderate
[Cyst TGLS = 7-10]			
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Cholangiocarcinoma	
		Eosinophilic Focus	Multiple
		Fatty Change	Diffuse, Mild
		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Mild
	Oval Cell	Hyperplasia	Mild
		Inflammation	Minimal
		Mixed Cell Focus	Multiple
		Pigmentation	Mild
		Toxic Hepatopathy	Mild
[Cholangiocarcinoma TGLS = 4-6]			
[Hepatodiaphragmatic Nodule TGLS = 3-7]			
[Mixed Cell Focus TGLS = 5-12]			
* Lung		Infiltration Cellular	Histiocyte, Mild
	Alveolar Epith	Metaplasia	Bronchiolar, Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 450	**TRT#:** 5	**SEX:** Female	**DAY ON TEST:** 732
	DOSE: 46 NG/KG	**DISP:** Terminal Sacrifice	**HISTO:** 2002462

ORGAN AND ACCOUNTABLE SITE STATUS

[Infiltration Cellular TGLS = 6-3+4]			
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Mild
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-11]			
* Ovary		Atrophy	Marked
		Cyst	Moderate
		Inflammation	Suppurative, Mild
[Cyst TGLS = 2-10]			
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Hyperplasia	Moderate
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Mild
* Thymus		Atrophy	Marked
* Thyroid Gland	Follicular Cel	Hypertrophy	Mild
* Urinary Bladder		Inflammation	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
		Polyp Stromal	
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 451	**TRT#:** 5	**SEX:** Female	**DAY ON TEST:** 599
	DOSE: 46 NG/KG	**DISP:** Natural Death	**HISTO:** 2002463

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Esophagus	Eye	Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea			

MISSING

* Islets, Pancreatic	* Pancreas	* Parathyroid Gland	* Spleen

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
		Hypertrophy	Mild
Note: One adrenal cannibalized.			
* Bone Marrow		Hyperplasia	Mild
* Clitoral Gland		Inflammation	Moderate
* Heart		Cardiomyopathy	Minimal
* Islets Panc			
Note: The pancreas was cannibalized.			
* Kidney	Pelvis	Dilatation	Moderate
		Nephropathy	Minimal
Note: The left kidney was cannibalized.			
[Dilatation TGLS = 2-5]			
* Liver		Inflammation	Minimal
	Hepatocyte	Multinucleated	Minimal
		Pigmentation	Mild
* Lung			
Note: Left lung cannibalized.			
Oral Mucosa	Gingival	Hyperplasia	Squamous, Moderate
Note: The hyperplastic squamous epithelium formed a keratin filled cavity that contained some hair.			
* Ovary		Atrophy	Marked

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 451	**TRT#:** 5	**SEX:** Female	**DAY ON TEST:** 599
	DOSE: 46 NG/KG	**DISP:** Natural Death	**HISTO:** 2002463

ORGAN AND ACCOUNTABLE SITE STATUS

Note: One ovary cannibalized.		
* Pancreas		
Note: The pancreas was cannibalized.		
* Spleen		
Note: The spleen was cannibalized.		
* Thymus	Atrophy	Marked
* Urinary Bladder	Squamous Cell Carcinoma	Metastatic (Uterus)
* Uterus	Squamous Cell Carcinoma	
[Squamous Cell Carcinoma TGLS = 1-11]		

PRIMARY CAUSE OF DEATH - Uterus Squamous Cell Carcinoma

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 452	**TRT#:** 5	**SEX:** Female	**DAY ON TEST:** 578
	DOSE: 46 NG/KG	**DISP:** Moribund Sacrifice	**HISTO:** 2002464

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Minimal
		Necrosis	Mild
* Adrenal Medulla		Hyperplasia	Mild
* Bone Marrow		Hyperplasia	Moderate
* Clitoral Gland	Duct	Cyst	Minimal
Eye			
Note: Both optic nerves missing.			
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Minimal
* Liver	Bile Duct	Hyperplasia	Mild
	Oval Cell	Hyperplasia	Mild
	Hepatocyte	Hypertrophy	Moderate
		Inflammation	Minimal
		Pigmentation	Mild
		Toxic Hepatopathy	Mild
* Lung		Infiltration Cellular	Histiocyte, Mild
	Alveolar Epith	Metaplasia	Bronchiolar, Mild
Lymph Node	Mediastinal	Hyperplasia	Marked
[Hyperplasia TGLS = 3-11]			
* Mammary Gland		Fibroadenoma	
* Ovary		Atrophy	Marked
* Pancreas	Acinus	Atrophy	Mild
		Inflammation	Chronic Active, Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 452	**TRT#:** 5	**SEX:** Female	**DAY ON TEST:** 578
	DOSE: 46 NG/KG	**DISP:** Moribund Sacrifice	**HISTO:** 2002464

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Minimal
	Pars Distalis	Hyperplasia	Mild
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Mild
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Mild
* Uterus		Inflammation	Suppurative, Moderate
		Metaplasia	Squamous, Marked

Note: The inflammation involved the uterine wall and surrounding tissue. Keratin-like material was present.
[Inflammation TGLS = 2-10]

PRIMARY CAUSE OF DEATH - Uterus Inflammation

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 453	**TRT#:** 5	**SEX:** Female	**DAY ON TEST:** 95
	DOSE: 46 NG/KG	**DISP:** Scheduled Sacrifice	**HISTO:** 2002465

***** NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 454	**TRT#:** 5	**SEX:** Female	**DAY ON TEST:** 731
	DOSE: 46 NG/KG	**DISP:** Terminal Sacrifice	**HISTO:** 2002466

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Moderate
		Hypertrophy	Mild
		Vacuolization Cytoplasmic	Mild
* Adrenal Medulla		Hyperplasia	Moderate
* Bone Marrow		Hyperplasia	Moderate
* Clitoral Gland	Duct	Cyst	Minimal
		Inflammation	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Angiectasis	Minimal
		Eosinophilic Focus	Multiple
	Bile Duct	Hyperplasia	Minimal
	Oval Cell	Hyperplasia	Mild
	Hepatocyte	Hypertrophy	Mild
		Inflammation	Minimal
		Mixed Cell Focus	Multiple
	Hepatocyte	Multinucleated	Minimal
		Pigmentation	Mild
		Toxic Hepatopathy	Mild

[Eosinophilic Focus TGLS = 2-6+7+13]
[Mixed Cell Focus TGLS = 2-6+7+13]

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 454	**TRT#:** 5	**SEX:** Female	**DAY ON TEST:** 731
	DOSE: 46 NG/KG	**DISP:** Terminal Sacrifice	**HISTO:** 2002466

ORGAN AND ACCOUNTABLE SITE STATUS

* Lung		Infiltration Cellular	Histiocyte, Minimal
	Alveolar Epith	Metaplasia	Bronchiolar, Minimal
Note: Left lung frozen for NTP.			
[Infiltration Cellular TGLS = 5-4]			
Mesentery	Artery	Inflammation	Chronic Active, Mild
* Ovary		Atrophy	Marked
* Pituitary Gland		Angiectasis	Mild
	Pars Distalis	Hyperplasia	Marked
[Hyperplasia TGLS = 6-11]			
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Mild
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Minimal
	Follicular Cel	Hypertrophy	Minimal
* Uterus		Inflammation	Chronic Active, Moderate
		Metaplasia	Squamous, Moderate
[Inflammation TGLS = 3,4-10+12]			

PRIMARY CAUSE OF DEATH -

Animal Note: TGL 1 = NO CORRELATING LESION

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 455	**TRT#:** 5	**SEX:** Female	**DAY ON TEST:** 731
	DOSE: 46 NG/KG	**DISP:** Terminal Sacrifice	**HISTO:** 2002467

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Thymus

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
		Degeneration	Cystic, Minimal
		Hypertrophy	Mild
* Adrenal Medulla		Hyperplasia	Mild
* Clitoral Gland	Duct	Cyst	Moderate
		Inflammation	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Minimal
		Nephropathy	Mild
* Liver		Cholangiofibrosis	Marked
		Eosinophilic Focus	Multiple
		Fatty Change	Diffuse, Minimal
	Bile Duct	Hyperplasia	Minimal
	Oval Cell	Hyperplasia	Mild
	Hepatocyte	Hypertrophy	Mild
		Inflammation	Minimal
		Mixed Cell Focus	Multiple
	Hepatocyte	Multinucleated	Minimal
		Pigmentation	Mild
		Toxic Hepatopathy	Mild

[Cholangiofibrosis TGLS = 2-11]

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 455	**TRT#:** 5	**SEX:** Female	**DAY ON TEST:** 731
	DOSE: 46 NG/KG	**DISP:** Terminal Sacrifice	**HISTO:** 2002467

ORGAN AND ACCOUNTABLE SITE STATUS

[Eosinophilic Focus TGLS = 3-6+7]			
[Mixed Cell Focus TGLS = 3-6+7]			
* Lung		Infiltration Cellular	Histiocyte, Mild
	Alveolar Epith	Metaplasia	Bronchiolar, Moderate
		Metaplasia	Squamous, Minimal
Note: Left lung frozen for NTP.			
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Moderate
* Mammary Gland		Fibroadenoma	
* Ovary		Atrophy	Marked
* Pancreas	Acinus	Vacuolization Cytoplasmic	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Mild
[Adenoma TGLS = 5-8]			
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Minimal
* Stomach, Forestomach		Hyperplasia	Squamous, Minimal
* Thyroid Gland		Angiectasis	Mild
	C Cell	Carcinoma	
[Carcinoma TGLS = 4-8]			
* Uterus		Hemangiosarcoma	
	Endometrium	Hyperplasia	Cystic, Mild
		Inflammation	Chronic Active, Marked
[Hemangiosarcoma TGLS = 1-10]			
[Inflammation TGLS = 1-10]			
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 456	**TRT#:** 5	**SEX:** Female	**DAY ON TEST:** 368
	DOSE: 46 NG/KG	**DISP:** Scheduled Sacrifice	**HISTO:** 2002468

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
* Lung	* Pancreas	* Thyroid Gland	
OBSERVATIONS			
* Adrenal Cortex		Hyperplasia	Minimal
* Liver		Fatty Change	Diffuse, Minimal
	Bile Duct	Fibrosis	Minimal
	Bile Duct	Hyperplasia	Mild
	Hepatocyte	Hypertrophy	Minimal
		Inflammation	Mild
		Mixed Cell Focus	Multiple
	Hepatocyte	Multinucleated	Minimal
		Pigmentation	Mild
		Toxic Hepatopathy	Minimal
[Mixed Cell Focus TGLS = 1-5,6]			
* Thymus		Atrophy	Moderate
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 457	**TRT#:** 5	**SEX:** Female	**DAY ON TEST:** 368
	DOSE: 46 NG/KG	**DISP:** Scheduled Sacrifice	**HISTO:** 2002469

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
* Pancreas			
OBSERVATIONS			
* Adrenal Cortex		Hypertrophy	Minimal
* Liver		Fatty Change	Diffuse, Minimal
	Hepatocyte	Hypertrophy	Mild
		Inflammation	Minimal
		Mixed Cell Focus	Multiple
	Hepatocyte	Multinucleated	Minimal
		Pigmentation	Mild
		Toxic Hepatopathy	Minimal
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Thymus		Atrophy	Moderate
* Thyroid Gland	Follicular Cel	Hypertrophy	Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 458	**TRT#:** 5	**SEX:** Female	**DAY ON TEST:** 368
	DOSE: 46 NG/KG	**DISP:** Scheduled Sacrifice	**HISTO:** 2002470

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
* Adrenal Cortex	* Pancreas	* Thyroid Gland	
OBSERVATIONS			
* Liver	Hepatocyte	Hypertrophy	Minimal
		Inflammation	Minimal
		Mixed Cell Focus	Multiple
		Pigmentation	Mild
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Thymus		Atrophy	Marked
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 459	**TRT#:** 5	**SEX:** Female	**DAY ON TEST:** 368
	DOSE: 46 NG/KG	**DISP:** Scheduled Sacrifice	**HISTO:** 2002471

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
* Lung	* Pancreas		
OBSERVATIONS			
* Adrenal Cortex		Hypertrophy	Minimal
* Liver	Hepatocyte	Hypertrophy	Marked
		Inflammation	Minimal
		Mixed Cell Focus	
		Pigmentation	Mild
		Toxic Hepatopathy	Minimal
* Thymus		Atrophy	Moderate
* Thyroid Gland	Follicular Cel	Hypertrophy	Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 460	**TRT#:** 5	**SEX:** Female	**DAY ON TEST:** 368
	DOSE: 46 NG/KG	**DISP:** Scheduled Sacrifice	**HISTO:** 2002472

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
* Pancreas	* Thyroid Gland		
OBSERVATIONS			
* Adrenal Cortex		Hyperplasia	Mild
		Hypertrophy	Minimal
* Liver	Hepatocyte	Hypertrophy	Mild
		Inflammation	Mild
		Pigmentation	Minimal
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Thymus		Atrophy	Marked
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 461	**TRT#:** 5	**SEX:** Female	**DAY ON TEST:** 95
	DOSE: 46 NG/KG	**DISP:** Scheduled Sacrifice	**HISTO:** 2002473

***** NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 462	**TRT#:** 5	**SEX:** Female	**DAY ON TEST:** 731
	DOSE: 46 NG/KG	**DISP:** Terminal Sacrifice	**HISTO:** 2002474

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Moderate
		Hyperplasia	Moderate
		Hypertrophy	Mild
		Vacuolization Cytoplasmic	Moderate
* Bone Marrow		Hyperplasia	Moderate
* Brain		Mineralization	Minimal
* Clitoral Gland	Duct	Cyst	Mild
		Inflammation	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Cholangiocarcinoma	
		Eosinophilic Focus	Multiple
		Fatty Change	Diffuse, Minimal
	Bile Duct	Hyperplasia	Minimal
	Oval Cell	Hyperplasia	Minimal
		Hyperplasia	Nodular
	Hepatocyte	Hypertrophy	Moderate
		Inflammation	Minimal
		Mixed Cell Focus	
	Hepatocyte	Multinucleated	Minimal
		Pigmentation	Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 462	**TRT#:** 5	**SEX:** Female	**DAY ON TEST:** 731
	DOSE: 46 NG/KG	**DISP:** Terminal Sacrifice	**HISTO:** 2002474

ORGAN AND ACCOUNTABLE SITE STATUS

		Toxic Hepatopathy	Mild
[Cholangiocarcinoma TGLS = 2-11]			
[Eosinophilic Focus TGLS = 5-6+7+13]			
[Hyperplasia TGLS = 5-6+7+13]			
[Mixed Cell Focus TGLS = 3-12]			
* Lung		Infiltration Cellular	Histiocyte, Mild
	Alveolar Epith	Metaplasia	Bronchiolar, Mild
Note: Left lung frozen for NTP.			
[Infiltration Cellular TGLS = 4-4]			
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-14]			
* Ovary		Atrophy	Moderate
* Pancreas	Acinus	Vacuolization Cytoplasmic	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Minimal
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Adenoma	
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
		Metaplasia	Squamous, Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 463	**TRT#:** 5	**SEX:** Female	**DAY ON TEST:** 732
	DOSE: 46 NG/KG	**DISP:** Terminal Sacrifice	**HISTO:** 2002475

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
		Hypertrophy	Mild
		Vacuolization Cytoplasmic	Minimal
* Clitoral Gland	Duct	Cyst	Mild
		Inflammation	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Angiectasis	Mild
		Cholangiofibrosis	Minimal
		Eosinophilic Focus	Multiple
		Fatty Change	Diffuse, Minimal
	Bile Duct	Hyperplasia	Mild
	Oval Cell	Hyperplasia	Mild
	Hepatocyte	Hypertrophy	Mild
		Inflammation	Minimal
		Mixed Cell Focus	Multiple
	Hepatocyte	Multinucleated	Minimal
		Pigmentation	Mild
		Toxic Hepatopathy	Mild

[Eosinophilic Focus TGLS = 4-6+7+12]
[Mixed Cell Focus TGLS = 4-6+7+12]

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 463	**TRT#:** 5	**SEX:** Female	**DAY ON TEST:** 732
	DOSE: 46 NG/KG	**DISP:** Terminal Sacrifice	**HISTO:** 2002475

ORGAN AND ACCOUNTABLE SITE STATUS

* Lung		Infiltration Cellular	Histiocyte, Mild
	Alveolar Epith	Metaplasia	Bronchiolar, Minimal
[Infiltration Cellular TGLS = 2-3+4]			
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Mild
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Minimal
[Fibroadenoma TGLS = 1-11]			
* Ovary		Atrophy	Marked
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Mild
		Cytoplasmic Alteration	Mild
	Pars Distalis	Hyperplasia	Mild
[Adenoma TGLS = 3-8]			
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Mild
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal
	Follicular Cel	Hypertrophy	Minimal
Tooth	Peridont Tiss	Inflammation	Minimal
* Uterus		Metaplasia	Squamous, Marked
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 464	**TRT#:** 5	**SEX:** Female	**DAY ON TEST:** 733
	DOSE: 46 NG/KG	**DISP:** Terminal Sacrifice	**HISTO:** 2002476

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
		Hypertrophy	Mild
		Vacuolization Cytoplasmic	Mild
* Bone Marrow		Hyperplasia	Moderate
* Clitoral Gland	Duct	Cyst	Mild
		Inflammation	Mild
Eye	Retina	Atrophy	Mild
	Lens	Degeneration	Marked
	Retina	Degeneration	Moderate

Note: In one eye there was degeneration of the lens, and retina and in the other the retina was atrophic.
[Degeneration TGLS = 1-00]

* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Minimal
		Nephropathy	Mild
* Liver		Basophilic Focus	
		Eosinophilic Focus	Multiple
		Fatty Change	Diffuse, Minimal
	Bile Duct	Hyperplasia	Minimal
	Oval Cell	Hyperplasia	Minimal
	Hepatocyte	Hypertrophy	Mild
		Inflammation	Minimal
		Mixed Cell Focus	Multiple
	Hepatocyte	Multinucleated	Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 464	**TRT#:** 5	**SEX:** Female	**DAY ON TEST:** 733
	DOSE: 46 NG/KG	**DISP:** Terminal Sacrifice	**HISTO:** 2002476

ORGAN AND ACCOUNTABLE SITE STATUS

		Pigmentation	Mild
		Toxic Hepatopathy	Minimal
[Mixed Cell Focus TGLS = 10-6+7]			
* Lung		Infiltration Cellular	Histiocyte, Mild
	Alveolar Epith	Metaplasia	Bronchiolar, Mild
		Metaplasia	Squamous, Minimal
[Infiltration Cellular TGLS = 9-3+4]			
* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 2,3,4-14+15+16]			
Oral Mucosa	Gingival	Hyperplasia	Squamous, Mild
* Ovary		Atrophy	Marked
		Cyst	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Minimal
Tooth	Peridont Tiss	Inflammation	Minimal
* Uterus		Adenomyosis	Mild
	Cervix	Hyperplasia	Stromal, Marked
	Endometrium	Hyperplasia	Cystic, Mild
		Inflammation	Chronic Active, Moderate
		Metaplasia	Squamous, Moderate
		Polyp Stromal	
Note: Squamous metaplasia occurred in the one horn of the uterus and cervix.			
[Hyperplasia TGLS = 5-12]			
[Inflammation TGLS = 8-17]			
[Polyp Stromal TGLS = 7-13]			
Vagina		Squamous Cell Carcinoma	
[Squamous Cell Carcinoma TGLS = 6-11]			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 465	**TRT#:** 5	**SEX:** Female	**DAY ON TEST:** 444
	DOSE: 46 NG/KG	**DISP:** Moribund Sacrifice	**HISTO:** 2002477

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Esophagus	Eye	Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Trachea

MISSING

* Clitoral Gland	* Thymus

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
		Hypertrophy	Mild
* Bone Marrow		Hyperplasia	Moderate
Eye			
Note: One optic nerve missing.			
* Intestine Large, Rectum		Parasite Metazoan	
* Kidney	Transit Epithe	Hyperplasia	Moderate
	Pelvis	Inflammation	Moderate
		Mineralization	Minimal
* Liver		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Minimal
	Oval Cell	Hyperplasia	Minimal
	Hepatocyte	Hypertrophy	Moderate
		Inflammation	Minimal
		Mixed Cell Focus	Multiple
	Hepatocyte	Multinucleated	Mild
		Pigmentation	Mild
		Toxic Hepatopathy	Mild
* Lung		Infiltration Cellular	Histiocyte, Minimal
	Alveolar Epith	Metaplasia	Bronchiolar, Minimal
* Mammary Gland		Fibroadenoma	

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 465	**TRT#:** 5	**SEX:** Female	**DAY ON TEST:** 444
	DOSE: 46 NG/KG	**DISP:** Moribund Sacrifice	**HISTO:** 2002477

ORGAN AND ACCOUNTABLE SITE STATUS

[Fibroadenoma TGLS = 1-11]			
* Ovary		Atrophy	Marked
* Pituitary Gland	Pars Distalis	Adenoma	
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Minimal
* Thyroid Gland	Follicular Cel	Hypertrophy	Mild
* Urinary Bladder		Inflammation	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal
		Metaplasia	Squamous, Mild
PRIMARY CAUSE OF DEATH	- Mammary Gland Fibroadenoma		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 466	**TRT#:** 5	**SEX:** Female	**DAY ON TEST:** 486
	DOSE: 46 NG/KG	**DISP:** Moribund Sacrifice	**HISTO:** 2002478

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Mild
		Hyperplasia	Mild
		Hypertrophy	Moderate
* Bone Marrow		Hyperplasia	Moderate
* Clitoral Gland	Duct	Cyst	Mild
Eye			
Note: One optic nerve present.			
* Kidney		Casts Protein	Minimal
		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Eosinophilic Focus	Multiple
		Fatty Change	Focal, Minimal
	Oval Cell	Hyperplasia	Minimal
	Hepatocyte	Hypertrophy	Moderate
		Inflammation	Minimal
		Mixed Cell Focus	Multiple
		Pigmentation	Minimal
		Toxic Hepatopathy	Minimal
* Lung		Infiltration Cellular	Histiocyte, Mild
	Alveolar Epith	Metaplasia	Bronchiolar, Minimal
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-11]			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 466	**TRT#:** 5	**SEX:** Female	**DAY ON TEST:** 486
	DOSE: 46 NG/KG	**DISP:** Moribund Sacrifice	**HISTO:** 2002478

ORGAN AND ACCOUNTABLE SITE STATUS

* Ovary		Atrophy	Marked
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Minimal
* Stomach, Forestomach		Hyperplasia	Squamous, Mild
* Thymus		Atrophy	Mild
* Thyroid Gland	C Cell	Hyperplasia	Mild
	Follicular Cel	Hypertrophy	Minimal
* Uterus		Metaplasia	Squamous, Mild

PRIMARY CAUSE OF DEATH - Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 467	**TRT#:** 5	**SEX:** Female	**DAY ON TEST:** 621
	DOSE: 46 NG/KG	**DISP:** Natural Death	**HISTO:** 2002479

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular	* Salivary Glands

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Mild
		Necrosis	Moderate
Note: The cortex of one adrenal was necrotic.			
* Bone Marrow		Hyperplasia	Moderate
* Clitoral Gland	Duct	Cyst	Minimal
		Inflammation	Minimal
Note: One clitoral gland missing.			
Eye			
Note: One eye cannibalized and the optic nerve from the other eye missing..			
Harderian Gl			
Note: One Harderian gland missing (cannibalized).			
* Heart		Cardiomyopathy	Mild
* Kidney	Transit Epithe	Hyperplasia	Minimal
		Mineralization	Minimal
* Liver		Fatty Change	Diffuse, Mild
	Bile Duct	Hyperplasia	Mild
	Oval Cell	Hyperplasia	Minimal
		Inflammation	Minimal
		Pigmentation	Mild
		Toxic Hepatopathy	Minimal
* Lung		Infiltration Cellular	Histiocyte, Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 467	**TRT#:** 5	**SEX:** Female	**DAY ON TEST:** 621
	DOSE: 46 NG/KG	**DISP:** Natural Death	**HISTO:** 2002479

ORGAN AND ACCOUNTABLE SITE STATUS

[Infiltration Cellular TGLS = 3-3+4]			
* Lym Node Mand			
Note: Mandibular lymph nodes cannibalized.			
Lymph Node	Mediastinal	Congestion	Mild
	Mediastinal	Hyperplasia	Histiocytic, Mild
[Congestion TGLS = 2-3]			
[Hyperplasia TGLS = 2-3]			
* Mammary Gland		Hyperplasia	Minimal
* Ovary		Atrophy	Marked
Note: One ovary missing.			
Oviduct		Necrosis	Marked
Note: What was considered an enlarged ovary at necropsy was necrosis and inflammation of the oviduct and surrounding fat.			
[Necrosis TGLS = 1-10]			
* Pituitary Gland		Cytoplasmic Alteration	Mild
	Pars Distalis	Hyperplasia	Mild
* Saliv Glands			
Note: Salivary glands cannibalized.			
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Mild
* Thymus		Atrophy	Marked
Tooth	Peridont Tiss	Inflammation	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
		Inflammation	Suppurative, Moderate
		Metaplasia	Squamous, Mild
		Polyp Stromal	
PRIMARY CAUSE OF DEATH	- UNCERTAIN		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 468	**TRT#:** 5	**SEX:** Female	**DAY ON TEST:** 95
	DOSE: 46 NG/KG	**DISP:** Scheduled Sacrifice	**HISTO:** 2002480

***** NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 469	**TRT#:** 5	**SEX:** Female	**DAY ON TEST:** 673
	DOSE: 46 NG/KG	**DISP:** Natural Death	**HISTO:** 2002481

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Parathyroid Gland	* Thymus

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Moderate
* Bone Marrow		Hyperplasia	Marked
Eye			
Note: Both optic nerves missing.			
* Kidney		Mineralization	Minimal
* Liver		Cholangiofibrosis	Mild
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Minimal
	Oval Cell	Hyperplasia	Minimal
		Inflammation	Minimal
		Necrosis	Mild
		Pigmentation	Moderate
* Lung		Infiltration Cellular	Histiocyte, Mild
	Alveolar Epith	Metaplasia	Bronchiolar, Mild
[Infiltration Cellular TGLS = 2-3+4]			
* Mammary Gland		Carcinoma	
		Inflammation	Chronic Active, Moderate
[Carcinoma TGLS = 1-11]			
Oral Mucosa	Gingival	Hyperplasia	Squamous, Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 469	**TRT#:** 5	**SEX:** Female	**DAY ON TEST:** 673
	DOSE: 46 NG/KG	**DISP:** Natural Death	**HISTO:** 2002481

ORGAN AND ACCOUNTABLE SITE STATUS

* Ovary	Atrophy	Moderate
* Spleen	Hematopoietic Cell Proliferation	Mild
	Pigmentation	Minimal

PRIMARY CAUSE OF DEATH	- Mammary Gland	Carcinoma
CONTRIBUTORY CAUSE OF DEATH	- Mammary Gland	Inflammation

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 470	**TRT#:** 5	**SEX:** Female	**DAY ON TEST:** 733
	DOSE: 46 NG/KG	**DISP:** Terminal Sacrifice	**HISTO:** 2002482

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
		Hypertrophy	Minimal
* Clitoral Gland	Duct	Cyst	Minimal
Eye			
Note: One optic nerve missing.			
* Kidney		Mineralization	Minimal
		Nephropathy	Mild
* Liver		Clear Cell Focus	
		Fatty Change	Diffuse, Minimal
	Bile Duct	Hyperplasia	Minimal
	Oval Cell	Hyperplasia	Minimal
	Hepatocyte	Hypertrophy	Mild
		Inflammation	Minimal
		Mixed Cell Focus	Multiple
	Hepatocyte	Multinucleated	Minimal
		Pigmentation	Mild
		Toxic Hepatopathy	Mild
[Mixed Cell Focus TGLS = 3,4,5-6+7+13+14]			
* Lung		Infiltration Cellular	Histiocyte, Mild
	Alveolar Epith	Metaplasia	Bronchiolar, Moderate
		Metaplasia	Squamous, Marked
[Infiltration Cellular TGLS = 6-3+4]			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 470	**TRT#:** 5	**SEX:** Female	**DAY ON TEST:** 733
	DOSE: 46 NG/KG	**DISP:** Terminal Sacrifice	**HISTO:** 2002482

ORGAN AND ACCOUNTABLE SITE STATUS

* Mammary Gland		Fibroadenoma	Multiple
		Hyperplasia	Minimal
[Fibroadenoma TGLS = 1,2-11+12]			
* Ovary		Atrophy	Marked
Note: One ovary missing.			
* Pancreas	Acinus	Vacuolization Cytoplasmic	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
[Hyperplasia TGLS = 7-8]			
* Spleen		Pigmentation	Mild
* Thymus		Atrophy	Mild
* Uterus		Metaplasia	Squamous, Moderate
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 471	**TRT#:** 5	**SEX:** Female	**DAY ON TEST:** 645
	DOSE: 46 NG/KG	**DISP:** Moribund Sacrifice	**HISTO:** 2002483

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Moderate
		Hypertrophy	Mild
* Bone Marrow		Hyperplasia	Mild
* Clitoral Gland		Inflammation	Mild
* Kidney		Mineralization	Minimal
* Liver		Eosinophilic Focus	Multiple
		Fatty Change	Diffuse, Minimal
	Hepatocyte	Hypertrophy	Minimal
		Inflammation	Minimal
		Mixed Cell Focus	Multiple
	Hepatocyte	Multinucleated	Minimal
		Pigmentation	Mild
		Toxic Hepatopathy	Minimal
[Eosinophilic Focus TGLS = 3-6+7]			
[Mixed Cell Focus TGLS = 3-6+7]			
* Lung		Infiltration Cellular	Histiocyte, Mild
	Alveolar Epith	Metaplasia	Bronchiolar, Mild
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Mild
* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 1,2-11+12]			
* Nose		Cyst	Squamous, Moderate
Note: A keratin filled squamous cyst was present adjacent to the nasolacrimal duct.			
* Ovary		Atrophy	Marked

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 471	**TRT#:** 5	**SEX:** Female	**DAY ON TEST:** 645
	DOSE: 46 NG/KG	**DISP:** Moribund Sacrifice	**HISTO:** 2002483

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Minimal
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Mild
	Follicular Cel	Hypertrophy	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
		Inflammation	Suppurative, Minimal
		Metaplasia	Squamous, Minimal

PRIMARY CAUSE OF DEATH - Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 472	**TRT#:** 5	**SEX:** Female	**DAY ON TEST:** 731
	DOSE: 46 NG/KG	**DISP:** Terminal Sacrifice	**HISTO:** 2002484

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Moderate
* Clitoral Gland	Duct	Cyst	Moderate
[Cyst TGLS = 5-10]			
Harderian Gland		Inflammation	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Minimal
		Nephropathy	Mild
* Liver		Eosinophilic Focus	Multiple
		Fatty Change	Diffuse, Minimal
	Bile Duct	Hyperplasia	Mild
	Oval Cell	Hyperplasia	Minimal
	Hepatocyte	Hypertrophy	Minimal
		Inflammation	Mild
		Mixed Cell Focus	Multiple
	Hepatocyte	Multinucleated	Minimal
		Pigmentation	Mild
		Toxic Hepatopathy	Minimal
[Eosinophilic Focus TGLS = 1-6+7]			
[Mixed Cell Focus TGLS = 1-6+7]			
* Lung		Infiltration Cellular	Histiocyte, Mild
	Alveolar Epith	Metaplasia	Bronchiolar, Mild

Note: Left lung frozen for NTP.

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 472	**TRT#:** 5	**SEX:** Female	**DAY ON TEST:** 731
	DOSE: 46 NG/KG	**DISP:** Terminal Sacrifice	**HISTO:** 2002484

ORGAN AND ACCOUNTABLE SITE STATUS

[Infiltration Cellular TGLS = 2-4]			
* Mammary Gland		Hyperplasia	Minimal
* Ovary		Atrophy	Marked
		Cyst	Marked
[Cyst TGLS = 3-10]			
* Pancreas	Artery	Inflammation	Chronic Active, Moderate
	Acinus	Vacuolization Cytoplasmic	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Mild
		Cytoplasmic Alteration	Mild
[Adenoma TGLS = 4-8]			
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Mild
* Thymus		Atrophy	Marked
* Uterus		Metaplasia	Squamous, Moderate
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 473	**TRT#:** 5	**SEX:** Female	**DAY ON TEST:** 95
	DOSE: 46 NG/KG	**DISP:** Scheduled Sacrifice	**HISTO:** 2002485

***** NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 474	**TRT#:** 5	**SEX:** Female	**DAY ON TEST:** 683
	DOSE: 46 NG/KG	**DISP:** Natural Death	**HISTO:** 2002486

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
		Hypertrophy	Moderate
		Vacuolization Cytoplasmic	Mild
* Clitoral Gland	Duct	Cyst	Mild
Eye			
Note: One optic nerve missing.			
* Kidney		Mineralization	Minimal
* Liver		Fatty Change	Diffuse, Minimal
	Bile Duct	Hyperplasia	Minimal
	Oval Cell	Hyperplasia	Minimal
	Hepatocyte	Hypertrophy	Mild
		Inflammation	Minimal
		Pigmentation	Moderate
		Toxic Hepatopathy	Minimal
[Pigmentation TGLS = 6-6+7+11]			
* Lung		Infiltration Cellular	Histiocyte, Mild
	Alveolar Epith	Metaplasia	Bronchiolar, Mild
Note: What was described as nodules in the lung at necropsy were foci of alveolar histiocytosis and alveolar epithelial hyperplasia.			
[Infiltration Cellular TGLS = 3-3]			
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-12]			
Oral Mucosa	Gingival	Hyperplasia	Squamous, Moderate

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 474	**TRT#:** 5	**SEX:** Female	**DAY ON TEST:** 683
	DOSE: 46 NG/KG	**DISP:** Natural Death	**HISTO:** 2002486

ORGAN AND ACCOUNTABLE SITE STATUS

Note: The hyperplastic squamous epithelium formed a cyst-like keratin filled cavity.
[Hyperplasia TGLS = 4-01]

* Ovary		Atrophy	Marked
		Cyst	Mild
[Cyst TGLS = 2-10]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
* Spleen	Lymph Follic	Atrophy	Mild
		Pigmentation	Moderate
[Atrophy TGLS = 5-5]			
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Adenoma	
		Angiectasis	Mild
	C Cell	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH	- Mammary Gland Fibroadenoma
CONTRIBUTORY CAUSE OF DEATH	- Oral Mucosa Gingival Hyperplasia

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 475	**TRT#:** 5	**SEX:** Female	**DAY ON TEST:** 732
	DOSE: 46 NG/KG	**DISP:** Terminal Sacrifice	**HISTO:** 2002487

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Bone Marrow	* Brain
* Esophagus	Eye	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder		

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Moderate
		Hypertrophy	Minimal
		Vacuolization Cytoplasmic	Minimal
* Adrenal Medulla		Pheochromocytoma Benign	
* Clitoral Gland	Duct	Cyst	Mild
		Inflammation	Mild
Eye			
Note: One optic nerve missing.			
Harderian Gland		Inflammation	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Calculus Micro Observation Only	Mild
		Mineralization	Minimal
		Nephropathy	Mild
* Liver		Fatty Change	Diffuse, Minimal
	Portal	Fibrosis	Minimal
	Bile Duct	Hyperplasia	Mild
	Oval Cell	Hyperplasia	Mild
		Hyperplasia	Nodular
	Hepatocyte	Hypertrophy	Mild
		Inflammation	Mild
	Hepatocyte	Multinucleated	Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 475	**TRT#:** 5	**SEX:** Female	**DAY ON TEST:** 732
	DOSE: 46 NG/KG	**DISP:** Terminal Sacrifice	**HISTO:** 2002487

ORGAN AND ACCOUNTABLE SITE STATUS

		Pigmentation	Mild
		Toxic Hepatopathy	Moderate
[Hyperplasia TGLS = 1,2,3,4-6+7+11+12]			
* Lung		Infiltration Cellular	Histiocyte, Mild
	Alveolar Epith	Metaplasia	Bronchiolar, Mild
[Infiltration Cellular TGLS = 6-3+4]			
* Mammary Gland		Hyperplasia	Minimal
* Ovary		Atrophy	Marked
* Pancreas	Acinus	Atrophy	Mild
		Inflammation	Chronic Active, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Mild
		Vacuolization Cytoplasmic	Moderate
[Adenoma TGLS = 7-8]			
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Mild
* Thymus		Atrophy	Marked
* Thyroid Gland	Bilateral, C Cell	Adenoma	
		Angiectasis	Mild
[Adenoma TGLS = 5-8]			
Tooth	Peridont Tiss	Inflammation	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal
		Polyp Stromal	

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 476	**TRT#:** 5	**SEX:** Female	**DAY ON TEST:** 369
	DOSE: 46 NG/KG	**DISP:** Scheduled Sacrifice	**HISTO:** 2002488

***** NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 477	**TRT#:** 5	**SEX:** Female	**DAY ON TEST:** 675
	DOSE: 46 NG/KG	**DISP:** Moribund Sacrifice	**HISTO:** 2002489

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Brain	* Esophagus
Eye	Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Islets, Pancreatic	* Lymph Node, Mesenteric	* Nose	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Adrenal Medulla		Hyperplasia	Mild
* Bone Marrow		Hyperplasia	Marked
* Clitoral Gland	Duct	Cyst	Mild
		Inflammation	Minimal
Eye			
Note: Both optic nerves missing.			
* Intestine Small, Jejunum		Leiomyoma	
* Kidney		Inflammation	Chronic Active, Mild
		Mineralization	Minimal
* Liver		Eosinophilic Focus	Multiple
	Bile Duct	Hyperplasia	Minimal
	Oval Cell	Hyperplasia	Minimal
	Hepatocyte	Hypertrophy	Moderate
		Inflammation	Mild
		Pigmentation	Mild
[Eosinophilic Focus TGLS = 6-6+7+12]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
	Alveolar Epith	Metaplasia	Bronchiolar, Minimal
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Mild
* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 1,5-11+13]			
* Ovary		Atrophy	Marked

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 477	**TRT#:** 5	**SEX:** Female	**DAY ON TEST:** 675
	DOSE: 46 NG/KG	**DISP:** Moribund Sacrifice	**HISTO:** 2002489

ORGAN AND ACCOUNTABLE SITE STATUS

		Cyst	Mild
* Pituitary Gland		Angiectasis	Minimal
	Pars Distalis	Hyperplasia	Minimal
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Mild
* Uterus		Metaplasia	Squamous, Marked
		Squamous Cell Carcinoma	Multiple

Note: There was squamous metaplasia of the uterus, dilatation of the lumen and several squamous cell carcinomas present.
[Metaplasia TGLS = 2-14+15]
[Squamous Cell Carcinoma TGLS = 3,4-14+15]

PRIMARY CAUSE OF DEATH - Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 478	**TRT#:** 5	**SEX:** Female	**DAY ON TEST:** 720
	DOSE: 46 NG/KG	**DISP:** Natural Death	**HISTO:** 2002490

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Thymus

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Moderate
		Hyperplasia	Mild
		Hypertrophy	Moderate
		Vacuolization Cytoplasmic	Mild
* Adrenal Medulla		Hyperplasia	Moderate
* Bone Marrow		Hyperplasia	Moderate
* Clitoral Gland	Duct	Cyst	Moderate
[Cyst TGLS = 2-10]			
Eye			
Note: One optic nerve missing.			
Harderian Gland		Inflammation	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	Multiple
		Cholangiofibrosis	Marked
		Eosinophilic Focus	
		Fatty Change	Diffuse, Minimal
	Portal	Fibrosis	Moderate
		Hepatocellular Adenoma	
	Bile Duct	Hyperplasia	Mild
	Oval Cell	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 478	**TRT#:** 5	**SEX:** Female	**DAY ON TEST:** 720
	DOSE: 46 NG/KG	**DISP:** Natural Death	**HISTO:** 2002490

ORGAN AND ACCOUNTABLE SITE STATUS

	Hepatocyte	Hypertrophy	Mild
		Inflammation	Minimal
	Hepatocyte	Multinucleated	Mild
		Necrosis	Moderate
		Pigmentation	Moderate
		Toxic Hepatopathy	Moderate
[Basophilic Focus TGLS = 4-14]			
[Cholangiofibrosis TGLS = 3-13]			
[Hepatocellular Adenoma TGLS = 5-15]			
* Lung		Infiltration Cellular	Histiocyte, Mild
	Alveolar Epith	Metaplasia	Bronchiolar, Mild
		Metaplasia	Squamous, Mild
[Infiltration Cellular TGLS = 6-3+4]			
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Mild
* Mammary Gland		Cyst	Mild
		Fibroadenoma	
		Hyperplasia	Minimal
[Fibroadenoma TGLS = 1-12]			
Oral Mucosa	Gingival	Squamous Cell Carcinoma	
[Squamous Cell Carcinoma TGLS = 7-11]			
* Ovary		Atrophy	Marked
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Minimal
[Adenoma TGLS = 8-8]			
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
		Polyp Stromal	
PRIMARY CAUSE OF DEATH	- Liver Necrosis		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 479	**TRT#:** 5	**SEX:** Female	**DAY ON TEST:** 557
	DOSE: 46 NG/KG	**DISP:** Natural Death	**HISTO:** 2002491

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Esophagus	Eye	Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	Oral Mucosa	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Trachea		

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Mild
		Hyperplasia	Mild
		Hypertrophy	Mild
		Vacuolization Cytoplasmic	Minimal
* Bone Marrow		Hyperplasia	Marked
* Clitoral Gland	Duct	Cyst	Moderate
Eye			
Note: One optic nerve missing.			
* Kidney	Transit Epithe	Hyperplasia	Moderate
		Necrosis	Mild
* Liver	Centrilobular	Degeneration	Mild
	Bile Duct	Hyperplasia	Minimal
	Oval Cell	Hyperplasia	Minimal
	Hepatocyte	Hypertrophy	Moderate
		Inflammation	Minimal
	Hepatocyte	Multinucleated	Mild
		Pigmentation	Moderate
		Toxic Hepatopathy	Mild
* Lung		Infiltration Cellular	Histiocyte, Minimal
	Alveolar Epith	Metaplasia	Bronchiolar, Minimal
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-11]			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 479	**TRT#:** 5	**SEX:** Female	**DAY ON TEST:** 557
	DOSE: 46 NG/KG	**DISP:** Natural Death	**HISTO:** 2002491

ORGAN AND ACCOUNTABLE SITE STATUS

* Ovary		Atrophy	Marked
		Cyst	Mild
* Pituitary Gland	Pars Intermed	Hyperplasia	Mild
* Spleen		Hematopoietic Cell Proliferation	Moderate
		Pigmentation	Minimal
[Hematopoietic Cell Proliferation TGLS = 2-5]			
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Adenoma	
* Urinary Bladder	Transit Epithe	Hyperplasia	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal
Vagina		Schwannoma Malignant	
[Schwannoma Malignant TGLS = 3-12]			

PRIMARY CAUSE OF DEATH - Vagina Schwannoma Malignant

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 480	**TRT#:** 5	**SEX:** Female	**DAY ON TEST:** 214
	DOSE: 46 NG/KG	**DISP:** Scheduled Sacrifice	**HISTO:** 2002492

***** NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 481	**TRT#:** 5	**SEX:** Female	**DAY ON TEST:** 486
	DOSE: 46 NG/KG	**DISP:** Moribund Sacrifice	**HISTO:** 2002493

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Esophagus	Eye	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	Oral Mucosa	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Glandular	* Trachea	* Urinary Bladder

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
		Degeneration	Cystic, Minimal
		Hyperplasia	Moderate
		Hypertrophy	Mild
* Bone Marrow		Hyperplasia	Moderate
* Clitoral Gland	Duct	Cyst	Mild
Eye			
Note: Both optic nerves missing.			
Harderian Gland		Inflammation	Minimal
* Kidney		Mineralization	Minimal
* Liver		Eosinophilic Focus	Multiple
		Fatty Change	Diffuse, Minimal
	Bile Duct	Fibrosis	Minimal
	Hepatocyte	Hypertrophy	Minimal
		Inflammation	Minimal
		Mixed Cell Focus	Multiple
	Hepatocyte	Multinucleated	Minimal
		Pigmentation	Mild
		Toxic Hepatopathy	Minimal
* Lung		Infiltration Cellular	Histiocyte, Minimal
	Alveolar Epith	Metaplasia	Bronchiolar, Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 481	**TRT#:** 5	**SEX:** Female	**DAY ON TEST:** 486
	DOSE: 46 NG/KG	**DISP:** Moribund Sacrifice	**HISTO:** 2002493

ORGAN AND ACCOUNTABLE SITE STATUS

* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-11]			
* Ovary		Atrophy	Marked
		Cyst	Mild
* Pancreas	Acinus	Vacuolization Cytoplasmic	Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Minimal
* Stomach, Forestomach		Hyperplasia	Squamous, Mild
		Inflammation	Minimal
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Adenoma	
* Uterus		Metaplasia	Squamous, Mild
PRIMARY CAUSE OF DEATH	- Mammary Gland Fibroadenoma		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 482	**TRT#:** 5	**SEX:** Female	**DAY ON TEST:** 677
	DOSE: 46 NG/KG	**DISP:** Moribund Sacrifice	**HISTO:** 2002494

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Esophagus	Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Glandular	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
		Hyperplasia	Mild
		Hypertrophy	Mild
		Vacuolization Cytoplasmic	Mild
* Bone Marrow		Hyperplasia	Moderate
* Clitoral Gland	Duct	Cyst	Moderate
		Inflammation	Minimal
Eye	Retina	Atrophy	Mild
Note: One optic nerve missing.			
* Heart		Cardiomyopathy	Mild
* Kidney	Transit Epithe	Hyperplasia	Minimal
		Mineralization	Minimal
		Nephropathy	Moderate
* Liver	Centrilobular	Degeneration	Mild
		Eosinophilic Focus	Multiple
		Hematopoietic Cell Proliferation	Mild
	Bile Duct	Hyperplasia	Minimal
	Oval Cell	Hyperplasia	Mild
	Hepatocyte	Hypertrophy	Moderate
		Inflammation	Mild
		Necrosis	Mild
		Pigmentation	Mild
		Toxic Hepatopathy	Mild
[Necrosis TGLS = 5,6-6+7]			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 482	**TRT#:** 5	**SEX:** Female	**DAY ON TEST:** 677
	DOSE: 46 NG/KG	**DISP:** Moribund Sacrifice	**HISTO:** 2002494

ORGAN AND ACCOUNTABLE SITE STATUS

* Lung		Infiltration Cellular	Histiocyte, Minimal
	Alveolar Epith	Metaplasia	Bronchiolar, Minimal
* Lymph Node, Mesenteric		Hyperplasia	Histiocytic, Moderate
* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 1,2,3-11+12+13]			
* Nose	Goblet Cell, Septum	Hyperplasia	Mild
Oral Mucosa	Gingival	Hyperplasia	Squamous, Mild
* Ovary		Atrophy	Marked
		Thecoma Benign	
* Pancreas	Acinus	Vacuolization Cytoplasmic	Minimal
* Pituitary Gland		Angiectasis	Minimal
	Pars Distalis	Hyperplasia	Mild
* Spleen		Hematopoietic Cell Proliferation	Moderate
		Pigmentation	Minimal
* Stomach, Forestomach		Inflammation	Mild
		Ulcer	Mild
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Adenoma	
Tooth	Peridont Tiss	Inflammation	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate
		Polyp Stromal	
Note: There was degeneration and hemorrhage in the uterine stromal polyp.			
[Polyp Stromal TGLS = 4-10]			

PRIMARY CAUSE OF DEATH - Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 483	**TRT#:** 5	**SEX:** Female	**DAY ON TEST:** 396
	DOSE: 46 NG/KG	**DISP:** Moribund Sacrifice	**HISTO:** 2002495

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Minimal
* Clitoral Gland		Inflammation	Minimal
Eye			
Note: One optic nerve missing.			
* Kidney		Mineralization	Minimal
* Liver		Inflammation	Minimal
		Mixed Cell Focus	
		Pigmentation	Minimal
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Fibroadenoma	
Note: The tumor was primarily fibrous with only a few glandular elements present.			
[Fibroadenoma TGLS = 1-11]			
* Ovary		Atrophy	Marked
* Pancreas		Inflammation	Chronic Active, Minimal
* Spleen		Pigmentation	Mild
* Thymus		Atrophy	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate
		Metaplasia	Squamous, Moderate

PRIMARY CAUSE OF DEATH - Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 484	**TRT#:** 5	**SEX:** Female	**DAY ON TEST:** 95
	DOSE: 46 NG/KG	**DISP:** Scheduled Sacrifice	**HISTO:** 2002496

***** NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 485	**TRT#:** 5	**SEX:** Female	**DAY ON TEST:** 369
	DOSE: 46 NG/KG	**DISP:** Scheduled Sacrifice	**HISTO:** 2002497

***** NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 486	**TRT#:** 5	**SEX:** Female	**DAY ON TEST:** 214
	DOSE: 46 NG/KG	**DISP:** Scheduled Sacrifice	**HISTO:** 2002498

***** NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 487	**TRT#:** 5	**SEX:** Female	**DAY ON TEST:** 733
	DOSE: 46 NG/KG	**DISP:** Terminal Sacrifice	**HISTO:** 2002499

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Atrophy	Minimal
		Degeneration	Cystic, Moderate
		Hyperplasia	Moderate
		Hypertrophy	Mild
[Hyperplasia TGLS = 5-8]			
* Clitoral Gland	Duct	Cyst	Mild
		Inflammation	Minimal
[Cyst TGLS = 1-10]			
* Heart		Cardiomyopathy	Minimal
* Kidney	Transit Epithe	Hyperplasia	Moderate
	Pelvis	Inflammation	Mild
		Mineralization	Minimal
		Nephropathy	Mild
* Liver		Cholangiofibrosis	Mild
		Fatty Change	Diffuse, Minimal
	Bile Duct	Hyperplasia	Minimal
	Oval Cell	Hyperplasia	Minimal
	Hepatocyte	Hypertrophy	Minimal
		Inflammation	Minimal
		Mixed Cell Focus	Multiple
	Hepatocyte	Multinucleated	Minimal
		Pigmentation	Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 487	**TRT#:** 5	**SEX:** Female	**DAY ON TEST:** 733
	DOSE: 46 NG/KG	**DISP:** Terminal Sacrifice	**HISTO:** 2002499

ORGAN AND ACCOUNTABLE SITE STATUS

		Toxic Hepatopathy	Minimal
[Mixed Cell Focus TGLS = 4,8-6+7+11]			
* Lung		Infiltration Cellular	Histiocyte, Mild
	Alveolar Epith	Metaplasia	Bronchiolar, Moderate
		Metaplasia	Squamous, Moderate
[Infiltration Cellular TGLS = 6-3+4]			
* Mammary Gland		Fibroadenoma	Multiple
		Hyperplasia	Mild
[Fibroadenoma TGLS = 2,3-12+13]			
Mesentery	Artery	Inflammation	Chronic Active, Moderate
Oral Mucosa	Gingival	Hyperplasia	Squamous, Marked
[Hyperplasia TGLS = 7-01]			
* Ovary		Atrophy	Marked
* Pancreas	Artery	Inflammation	Chronic Active, Moderate
	Acinus	Vacuolization Cytoplasmic	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Mild
* Thymus		Atrophy	Marked
* Urinary Bladder	Transit Epithe	Hyperplasia	Moderate
		Inflammation	Moderate
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 488	**TRT#:** 5	**SEX:** Female	**DAY ON TEST:** 731
	DOSE: 46 NG/KG	**DISP:** Terminal Sacrifice	**HISTO:** 2002500

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Atrophy	Minimal
		Hyperplasia	Mild
		Hypertrophy	Mild
		Vacuolization Cytoplasmic	Mild
* Bone Marrow		Hyperplasia	Mild
* Clitoral Gland	Duct	Cyst	Mild
		Inflammation	Minimal
* Kidney	Transit Epithe	Hyperplasia	Minimal
		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Fatty Change	Diffuse, Minimal
	Bile Duct	Hyperplasia	Minimal
	Oval Cell	Hyperplasia	Minimal
	Hepatocyte	Hypertrophy	Mild
		Inflammation	Minimal
		Mixed Cell Focus	Multiple
		Necrosis	Minimal
		Pigmentation	Mild
		Toxic Hepatopathy	Minimal
[Mixed Cell Focus TGLS = 5-6+7+13]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
	Alveolar Epith	Metaplasia	Bronchiolar, Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 488	**TRT#:** 5	**SEX:** Female	**DAY ON TEST:** 731
	DOSE: 46 NG/KG	**DISP:** Terminal Sacrifice	**HISTO:** 2002500

ORGAN AND ACCOUNTABLE SITE STATUS

Note: Left lung frozen for NTP.			
* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 1,2-11+12]			
Oral Mucosa	Gingival	Hyperplasia	Squamous, Minimal
* Ovary		Atrophy	Marked
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Mild
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Adenoma	
Tooth	Peridont Tiss	Inflammation	Minimal
* Uterus		Carcinoma	
	Endometrium	Hyperplasia	Cystic, Mild
		Inflammation	Suppurative, Moderate
		Metaplasia	Squamous, Mild
[Carcinoma TGLS = 3-10]			
[Inflammation TGLS = 3-10]			

PRIMARY CAUSE OF DEATH -

Animal Note: TGL 4 = NO CORRELATING LESION

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 489	**TRT#:** 5	**SEX:** Female	**DAY ON TEST:** 701
	DOSE: 46 NG/KG	**DISP:** Natural Death	**HISTO:** 2002501

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Atrophy	Minimal
		Degeneration	Cystic, Mild
		Hypertrophy	Moderate
* Bone Marrow		Hyperplasia	Mild
* Clitoral Gland	Duct	Cyst	Mild
		Inflammation	Minimal
Eye			
Note: Both optic nerves missing.			
* Kidney		Nephropathy	Minimal
* Liver		Eosinophilic Focus	Multiple
		Fatty Change	Diffuse, Minimal
		Hyperplasia	Nodular
	Hepatocyte	Hypertrophy	Mild
		Inflammation	Minimal
		Mixed Cell Focus	Multiple
	Hepatocyte	Multinucleated	Minimal
		Pigmentation	Minimal
		Toxic Hepatopathy	Minimal
[Eosinophilic Focus TGLS = 4-6+7]			
[Hyperplasia TGLS = 1,2,3-11+12+13]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
	Alveolar Epith	Metaplasia	Bronchiolar, Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 489	**TRT#:** 5	**SEX:** Female	**DAY ON TEST:** 701
	DOSE: 46 NG/KG	**DISP:** Natural Death	**HISTO:** 2002501

ORGAN AND ACCOUNTABLE SITE STATUS

Oral Mucosa	Gingival	Hyperplasia	Squamous, Mild
Note: Hair was present in the hyperplastic squamous epithelium.			
* Ovary		Atrophy	Marked
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Mild
	Pars Distalis	Hyperplasia	Mild
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Mild
* Stomach, Forestomach		Squamous Cell Carcinoma	
[Squamous Cell Carcinoma TGLS = 5-6]			
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Minimal
Tooth	Peridont Tiss	Inflammation	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal
		Metaplasia	Squamous, Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 490	**TRT#:** 5	**SEX:** Female	**DAY ON TEST:** 733
	DOSE: 46 NG/KG	**DISP:** Terminal Sacrifice	**HISTO:** 2002502

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Brain	* Esophagus
Eye	Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Glandular	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
		Hyperplasia	Mild
		Hypertrophy	Mild
* Adrenal Medulla		Hyperplasia	Moderate
* Bone Marrow		Hyperplasia	Mild
* Clitoral Gland		Inflammation	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Fatty Change	Diffuse, Minimal
	Bile Duct	Hyperplasia	Mild
	Hepatocyte	Hypertrophy	Minimal
		Inflammation	Minimal
		Mixed Cell Focus	Multiple
	Hepatocyte	Multinucleated	Minimal
		Pigmentation	Mild
		Toxic Hepatopathy	Minimal
[Mixed Cell Focus TGLS = 2-6+7]			
* Lung		Infiltration Cellular	Histiocyte, Mild
	Alveolar Epith	Metaplasia	Bronchiolar, Moderate
[Infiltration Cellular TGLS = 3-3+4]			
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-11]			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 490	**TRT#:** 5	**SEX:** Female	**DAY ON TEST:** 733
	DOSE: 46 NG/KG	**DISP:** Terminal Sacrifice	**HISTO:** 2002502

ORGAN AND ACCOUNTABLE SITE STATUS

Mesentery	Artery	Inflammation	Chronic Active, Mild
* Ovary		Atrophy	Marked
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Moderate
	Pars Distalis	Hyperplasia	Mild
[Adenoma TGLS = 4-8]			
* Spleen		Pigmentation	Mild
* Stomach, Forestomach		Hyperplasia	Squamous, Minimal
* Thymus		Atrophy	Mild
* Thyroid Gland	C Cell	Hyperplasia	Moderate
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 491	**TRT#:** 5	**SEX:** Female	**DAY ON TEST:** 213
	DOSE: 46 NG/KG	**DISP:** Scheduled Sacrifice	**HISTO:** 2002503

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
* Adrenal Cortex	* Lung	* Pancreas	* Thyroid Gland
OBSERVATIONS			
* Liver	Hepatocyte	Hypertrophy	Mild
		Inflammation	Mild
		Mixed Cell Focus	
	Hepatocyte	Multinucleated	Minimal
		Pigmentation	Minimal
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-6+7]			
* Thymus		Atrophy	Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 492	**TRT#:** 5	**SEX:** Female	**DAY ON TEST:** 213
	DOSE: 46 NG/KG	**DISP:** Scheduled Sacrifice	**HISTO:** 2002504

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
* Lung	* Pancreas		
OBSERVATIONS			
* Adrenal Cortex		Hypertrophy	Minimal
* Liver	Hepatocyte	Hypertrophy	Minimal
		Inflammation	Minimal
	Hepatocyte	Multinucleated	Minimal
		Pigmentation	Minimal
* Thymus		Atrophy	Moderate
* Thyroid Gland	Follicular Cel	Hypertrophy	Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 493	**TRT#:** 5	**SEX:** Female	**DAY ON TEST:** 213
	DOSE: 46 NG/KG	**DISP:** Scheduled Sacrifice	**HISTO:** 2002505

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
* Adrenal Cortex	* Lung	* Pancreas	* Thymus
OBSERVATIONS			
* Liver	Hepatocyte	Hypertrophy	Minimal
		Inflammation	Minimal
		Mixed Cell Focus	Multiple
		Pigmentation	Minimal
* Thyroid Gland	Follicular Cel	Hypertrophy	Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 494	**TRT#:** 5	**SEX:** Female	**DAY ON TEST:** 213
	DOSE: 46 NG/KG	**DISP:** Scheduled Sacrifice	**HISTO:** 2002506

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
* Lung	* Pancreas	Pleura	* Thymus
* Thyroid Gland			
OBSERVATIONS			
* Adrenal Cortex		Degeneration	Cystic, Mild
		Hypertrophy	Mild
* Liver	Hepatocyte	Hypertrophy	Minimal
		Inflammation	Minimal
		Pigmentation	Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 495	**TRT#:** 5	**SEX:** Female	**DAY ON TEST:** 213
	DOSE: 46 NG/KG	**DISP:** Scheduled Sacrifice	**HISTO:** 2002507

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
* Adrenal Cortex	* Lung	* Pancreas	* Thyroid Gland
OBSERVATIONS			
* Liver	Hepatocyte	Hypertrophy	Mild
		Inflammation	Mild
	Hepatocyte	Multinucleated	Minimal
		Pigmentation	Minimal
* Thymus		Atrophy	Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 496	**TRT#:** 5	**SEX:** Female	**DAY ON TEST:** 733
	DOSE: 46 NG/KG	**DISP:** Terminal Sacrifice	**HISTO:** 2002508

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Thymus

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
		Degeneration	Cystic, Moderate
		Hypertrophy	Marked
* Adrenal Medulla		Hyperplasia	Moderate
* Clitoral Gland		Inflammation	Minimal
Eye			
Note: One optic nerve missing.			
* Heart		Cardiomyopathy	Minimal
* Intestine Large, Rectum		Parasite Metazoan	
* Kidney		Mineralization	Minimal
		Nephropathy	Mild
* Liver		Angiectasis	Mild
		Clear Cell Focus	Multiple
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Mild
	Oval Cell	Hyperplasia	Mild
	Hepatocyte	Hypertrophy	Mild
		Inflammation	Minimal
		Mixed Cell Focus	Multiple
	Hepatocyte	Multinucleated	Minimal
		Pigmentation	Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 496	**TRT#:** 5	**SEX:** Female	**DAY ON TEST:** 733
	DOSE: 46 NG/KG	**DISP:** Terminal Sacrifice	**HISTO:** 2002508

ORGAN AND ACCOUNTABLE SITE STATUS

		Toxic Hepatopathy	Minimal
[Eosinophilic Focus TGLS = 1-7]			
[Mixed Cell Focus TGLS = 4-6+11]			
* Lung		Infiltration Cellular	Histiocyte, Mild
	Alveolar Epith	Metaplasia	Bronchiolar, Minimal
[Infiltration Cellular TGLS = 2-3+4]			
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Moderate
Oral Mucosa	Gingival	Squamous Cell Carcinoma	
[Squamous Cell Carcinoma TGLS = 5-1]			
* Ovary		Atrophy	Marked
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Moderate
[Adenoma TGLS = 3-8]			
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Mild
* Thyroid Gland	C Cell	Adenoma	
	C Cell	Hyperplasia	Moderate
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate
		Metaplasia	Squamous, Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 497	**TRT#:** 5	**SEX:** Female	**DAY ON TEST:** 642
	DOSE: 46 NG/KG	**DISP:** Natural Death	**HISTO:** 2002509

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Moderate
		Hyperplasia	Moderate
		Hypertrophy	Moderate
* Bone Marrow		Hyperplasia	Mild
* Clitoral Gland	Duct	Cyst	Mild
		Inflammation	Minimal
[Cyst TGLS = 4-10]			
Eye			
Note: One optic nerve missing.			
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Minimal
		Nephropathy	Mild
* Liver		Basophilic Focus	
		Eosinophilic Focus	Multiple
		Fatty Change	Diffuse, Minimal
	Hepatocyte	Hypertrophy	Moderate
		Inflammation	Minimal
	Hepatocyte	Multinucleated	Mild
		Pigmentation	Mild
		Toxic Hepatopathy	Minimal
[Eosinophilic Focus TGLS = 3-6+7]			
* Lung		Infiltration Cellular	Histiocyte, Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 497	**TRT#:** 5	**SEX:** Female	**DAY ON TEST:** 642
	DOSE: 46 NG/KG	**DISP:** Natural Death	**HISTO:** 2002509

ORGAN AND ACCOUNTABLE SITE STATUS

	Alveolar Epith	Metaplasia	Bronchiolar, Mild
* Mammary Gland		Fibroadenoma	Multiple
		Hyperplasia	Mild
[Fibroadenoma TGLS = 1,2-11+12]			
Mesentery	Artery	Inflammation	Chronic Active, Mild
* Nose	Respirat Epith	Cyst	Mild
Note: A cyst-like cavity containing a basophilic material formed in the respiratory epithelium of the turbinate.			
Oral Mucosa	Gingival	Hyperplasia	Squamous, Mild
Note: The hyperplastic oral mucosa contained a hair shaft.			
* Ovary		Atrophy	Marked
		Cyst	Mild
[Cyst TGLS = 5-10]			
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Mild
* Thymus		Atrophy	Marked
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate
		Metaplasia	Squamous, Mild
		Polyp Stromal	Multiple

PRIMARY CAUSE OF DEATH	- Mammary Gland Fibroadenoma
CONTRIBUTORY CAUSE OF DEATH	- Mesentery Artery Inflammation

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 498	**TRT#:** 5	**SEX:** Female	**DAY ON TEST:** 214
	DOSE: 46 NG/KG	**DISP:** Scheduled Sacrifice	**HISTO:** 2002510

***** NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 501	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 368
	DOSE: 100 NG/KG	**DISP:** Scheduled Sacrifice	**HISTO:** 2002511

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
* Adrenal Medulla	* Islets, Pancreatic	* Lung	* Mammary Gland
* Pituitary Gland	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Uterus	Vagina		
OBSERVATIONS			
* Adrenal Cortex		Hyperplasia	Minimal
* Liver		Cholangiofibrosis	Mild
		Fatty Change	Diffuse, Moderate
	Bile Duct	Fibrosis	Mild
	Bile Duct	Hyperplasia	Mild
	Hepatocyte	Hypertrophy	Marked
		Inflammation	Mild
		Mixed Cell Focus	Multiple
	Hepatocyte	Multinucleated	Mild
		Pigmentation	Moderate
		Toxic Hepatopathy	Moderate
[Mixed Cell Focus TGLS = 1-5,6]			
* Ovary		Atrophy	Marked
* Pancreas	Acinus	Vacuolization Cytoplasmic	Minimal
* Spleen		Pigmentation	Minimal
* Thymus		Atrophy	Moderate
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 502	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 368
	DOSE: 100 NG/KG	**DISP:** Scheduled Sacrifice	**HISTO:** 2002512

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
* Adrenal Medulla	* Islets, Pancreatic	* Mammary Gland	* Pituitary Gland
* Stomach, Forestomach	* Stomach, Glandular	Vagina	
OBSERVATIONS			
* Adrenal Cortex		Hypertrophy	Minimal
* Liver		Basophilic Focus	Multiple
		Fatty Change	Diffuse, Minimal
	Bile Duct	Fibrosis	Mild
	Bile Duct	Hyperplasia	Moderate
	Hepatocyte	Hypertrophy	Marked
		Inflammation	Mild
		Mixed Cell Focus	Multiple
	Hepatocyte	Multinucleated	Mild
		Pigmentation	Moderate
		Toxic Hepatopathy	Marked
[Mixed Cell Focus TGLS = 1-5,6]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Ovary		Atrophy	Marked
* Pancreas	Acinus	Vacuolization Cytoplasmic	Minimal
* Spleen		Pigmentation	Mild
* Thymus		Atrophy	Marked
* Thyroid Gland	Follicular Cel	Hypertrophy	Minimal
* Uterus		Metaplasia	Squamous, Mild
		Polyp Stromal	
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 503	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 368
	DOSE: 100 NG/KG	**DISP:** Scheduled Sacrifice	**HISTO:** 2002513

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
* Adrenal Medulla	* Islets, Pancreatic	* Lung	* Mammary Gland
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	Vagina
MISSING			
* Pituitary Gland			
OBSERVATIONS			
* Adrenal Cortex		Degeneration	Cystic, Minimal
		Hypertrophy	Mild
* Liver	Bile Duct	Hyperplasia	Minimal
	Hepatocyte	Hypertrophy	Moderate
		Inflammation	Mild
		Mixed Cell Focus	Multiple
	Hepatocyte	Multinucleated	Mild
		Pigmentation	Moderate
		Toxic Hepatopathy	Moderate
* Ovary		Atrophy	Marked
* Pancreas	Acinus	Vacuolization Cytoplasmic	Minimal
* Spleen		Pigmentation	Mild
* Thymus		Atrophy	Mild
* Uterus		Metaplasia	Squamous, Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 504	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 368
	DOSE: 100 NG/KG	**DISP:** Scheduled Sacrifice	**HISTO:** 2002514

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Islets, Pancreatic	* Lung	* Mammary Gland
* Pituitary Gland	* Stomach, Forestomach	* Stomach, Glandular	Vagina

MISSING

* Ovary

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Moderate
* Kidney	Pelvis	Dilatation	Mild
		Nephropathy	Moderate
[Nephropathy TGLS = 1,2-6]			
* Liver	Bile Duct	Hyperplasia	Mild
	Hepatocyte	Hypertrophy	Mild
		Inflammation	Mild
		Mixed Cell Focus	Multiple
	Hepatocyte	Multinucleated	Minimal
		Pigmentation	Mild
		Toxic Hepatopathy	Moderate
* Pancreas	Acinus	Vacuolization Cytoplasmic	Minimal
* Spleen		Pigmentation	Mild
* Thymus		Atrophy	Moderate
* Thyroid Gland	Follicular Cel	Hypertrophy	Minimal
Ureter	Transit Epithe	Hyperplasia	Mild
		Mineralization	Moderate
Note: Calculi in lumen.			
[Mineralization TGLS = 3-7]			
* Uterus	Endometrium	Hyperplasia	Cystic, Marked
		Metaplasia	Squamous, Minimal

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 505	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 368
	DOSE: 100 NG/KG	**DISP:** Scheduled Sacrifice	**HISTO:** 2002515

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
* Adrenal Medulla	* Islets, Pancreatic	* Lung	* Mammary Gland
* Ovary	* Pituitary Gland	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Uterus	Vagina	
OBSERVATIONS			
* Adrenal Cortex		Hyperplasia	Mild
		Hypertrophy	Minimal
* Liver		Fatty Change	Diffuse, Minimal
	Bile Duct	Hyperplasia	Mild
	Hepatocyte	Hypertrophy	Moderate
		Inflammation	Mild
		Mixed Cell Focus	Multiple
	Hepatocyte	Multinucleated	Mild
		Pigmentation	Mild
		Toxic Hepatopathy	Moderate
[Mixed Cell Focus TGLS = 1-5,6]			
* Pancreas	Acinus	Atrophy	Mild
		Inflammation	Chronic Active, Mild
* Spleen		Pigmentation	Minimal
* Thymus		Atrophy	Marked
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 506	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 732
	DOSE: 100 NG/KG	**DISP:** Terminal Sacrifice	**HISTO:** 2002516

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Brain	* Esophagus
Eye	Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	Oral Mucosa	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Moderate
		Vacuolization Cytoplasmic	Minimal
* Adrenal Medulla		Hyperplasia	Minimal
* Bone Marrow		Hyperplasia	Mild
* Clitoral Gland	Duct	Cyst	Moderate
		Inflammation	Mild
Eye			
Note: One optic nerve missing.			
* Kidney		Mineralization	Minimal
		Nephropathy	Moderate
* Liver		Cholangiocarcinoma	Multiple
		Eosinophilic Focus	Multiple
	Bile Duct	Hyperplasia	Mild
	Oval Cell	Hyperplasia	Mild
		Hyperplasia	Nodular
	Hepatocyte	Hypertrophy	Mild
		Inflammation	Minimal
		Mixed Cell Focus	Multiple
	Hepatocyte	Multinucleated	Minimal
		Pigmentation	Mild
		Toxic Hepatopathy	Moderate
[Cholangiocarcinoma TGLS = 1-6+7]			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 506	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 732
	DOSE: 100 NG/KG	**DISP:** Terminal Sacrifice	**HISTO:** 2002516

ORGAN AND ACCOUNTABLE SITE STATUS

* Lung		Infiltration Cellular	Histiocyte, Mild
	Alveolar Epith	Metaplasia	Bronchiolar, Mild
* Mammary Gland		Fibroadenoma	
Mesentery	Artery	Inflammation	Chronic Active, Mild
* Ovary		Atrophy	Marked
		Cyst	Mild
* Pancreas	Acinus	Vacuolization Cytoplasmic	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Mild
	Pars Distalis	Hyperplasia	Mild
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Minimal
* Thymus		Atrophy	Marked
* Thyroid Gland	Follicular Cel	Hypertrophy	Minimal
Tooth	Peridont Tiss	Inflammation	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
		Metaplasia	Squamous, Minimal

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 507	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 641
	DOSE: 100 NG/KG	**DISP:** Moribund Sacrifice	**HISTO:** 2002517

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Mild
		Hyperplasia	Moderate
		Hypertrophy	Moderate
		Necrosis	Moderate
* Adrenal Medulla		Hyperplasia	Minimal
* Bone Marrow		Hyperplasia	Mild
* Clitoral Gland	Duct	Cyst	Mild
Eye			
Note: One optic nerve missing.			
* Kidney		Mineralization	Minimal
		Nephropathy	Moderate
[Nephropathy TGLS = 5-5]			
* Liver		Cholangiofibrosis	Mild
	Centrilobular	Degeneration	Mild
		Eosinophilic Focus	Multiple
		Fatty Change	Diffuse, Mild
	Bile Duct	Hyperplasia	Mild
	Oval Cell	Hyperplasia	Mild
		Hyperplasia	Nodular
	Hepatocyte	Hypertrophy	Moderate
		Inflammation	Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 507	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 641
	DOSE: 100 NG/KG	**DISP:** Moribund Sacrifice	**HISTO:** 2002517

ORGAN AND ACCOUNTABLE SITE STATUS

		Necrosis	Mild
		Pigmentation	Moderate
		Toxic Hepatopathy	Marked
[Eosinophilic Focus TGLS = 4-6+7+13]			
[Hyperplasia TGLS = 3-6,12,13]			
* Lung		Infiltration Cellular	Histiocyte, Mild
	Alveolar Epith	Metaplasia	Bronchiolar, Mild
		Metaplasia	Squamous, Minimal
* Mammary Gland		Cyst	Mild
		Fibroadenoma	
[Fibroadenoma TGLS = 1-11]			
Oral Mucosa	Gingival	Hyperplasia	Squamous, Moderate
Note: There was squamous hyperplasia of epithelium around the tooth with the formation of a keratin-filled cyst-like cavity.			
* Ovary		Atrophy	Marked
* Pancreas	Acinus	Atrophy	Mild
	Acinus	Vacuolization Cytoplasmic	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Minimal
* Thymus		Atrophy	Marked
* Thyroid Gland	Bilateral, C Cell	Adenoma	
	C Cell	Hyperplasia	Mild
Tooth	Peridont Tiss	Inflammation	Mild
* Uterus		Hemorrhage	Moderate
		Metaplasia	Squamous, Minimal
[Hemorrhage TGLS = 2-10]			

PRIMARY CAUSE OF DEATH	- Mammary Gland Fibroadenoma
CONTRIBUTORY CAUSE OF DEATH	- Liver Hyperplasia

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 508	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 214
	DOSE: 100 NG/KG	**DISP:** Scheduled Sacrifice	**HISTO:** 2002518

***** NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 509	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 652
	DOSE: 100 NG/KG	**DISP:** Natural Death	**HISTO:** 2002519

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Brain	* Clitoral Gland
* Esophagus	Eye	Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Thymus

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Moderate
		Hypertrophy	Mild
* Adrenal Medulla		Hyperplasia	Mild
* Bone Marrow		Hyperplasia	Moderate
Eye			
Note: One optic nerve missing.			
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Cholangiofibrosis	Moderate
	Bile Duct	Cyst	Moderate
		Eosinophilic Focus	Multiple
		Fatty Change	Diffuse, Mild
	Bile Duct	Hyperplasia	Mild
	Oval Cell	Hyperplasia	Mild
		Hyperplasia	Nodular
	Hepatocyte	Hypertrophy	Moderate
		Inflammation	Mild
	Hepatocyte	Multinucleated	Minimal
		Necrosis	Moderate
		Pigmentation	Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 509	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 652
	DOSE: 100 NG/KG	**DISP:** Natural Death	**HISTO:** 2002519

ORGAN AND ACCOUNTABLE SITE STATUS

		Toxic Hepatopathy	Marked
[Eosinophilic Focus TGLS = 4-6+7]			
[Hyperplasia TGLS = 2,3,4-7+12+13]			
* Lung		Infiltration Cellular	Histiocyte, Mild
	Alveolar Epith	Metaplasia	Bronchiolar, Minimal
Note: Left lung cannibalized.			
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-11]			
Oral Mucosa	Gingival	Hyperplasia	Squamous, Mild
Note: The hyperplastic oral mucosa formed a cyst-like cavity filled with keratin.			
[Hyperplasia TGLS = 6-1]			
* Ovary		Atrophy	Marked
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Minimal
[Adenoma TGLS = 5-8]			
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Minimal
* Stomach, Forestomach		Hyperplasia	Squamous, Mild
		Ulcer	Moderate
Tooth	Peridont Tiss	Inflammation	Mild
* Uterus		Metaplasia	Squamous, Mild

PRIMARY CAUSE OF DEATH	- Liver	Necrosis
CONTRIBUTORY CAUSE OF DEATH	- Liver	Hyperplasia;Tooth Peridont Tiss Inflammation

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 510	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 581
	DOSE: 100 NG/KG	**DISP:** Natural Death	**HISTO:** 2002520

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Marked
		Vacuolization Cytoplasmic	Mild
* Adrenal Medulla		Hyperplasia	Mild
* Bone Marrow		Hyperplasia	Moderate
* Clitoral Gland	Duct	Cyst	Mild
		Inflammation	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Minimal
		Nephropathy	Mild
* Liver		Cholangiofibrosis	Moderate
		Eosinophilic Focus	Multiple
		Fatty Change	Diffuse, Minimal
	Bile Duct	Hyperplasia	Moderate
	Oval Cell	Hyperplasia	Mild
	Hepatocyte	Hypertrophy	Marked
	Artery	Inflammation	Chronic Active, Mild
		Inflammation	Minimal
	Hepatocyte	Multinucleated	Mild
		Pigmentation	Moderate
		Toxic Hepatopathy	Marked
[Eosinophilic Focus TGLS = 2-6+7]			
* Lung		Infiltration Cellular	Histiocyte, Mild
	Alveolar Epith	Metaplasia	Bronchiolar, Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 510	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 581
	DOSE: 100 NG/KG	**DISP:** Natural Death	**HISTO:** 2002520

ORGAN AND ACCOUNTABLE SITE STATUS

* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
[Hyperplasia TGLS = 1-9]			
Mesentery	Artery	Inflammation	Chronic Active, Mild
Note: Inflammation and necrosis occurred in the arteries of multiple organs.			
Oral Mucosa	Gingival	Hyperplasia	Squamous, Marked
Note: The hyperplastic oral mucosa formed a keratin filled cavity in the area where the molar was present.			
* Ovary		Atrophy	Marked
* Pancreas	Acinus	Atrophy	Mild
	Artery	Inflammation	Chronic Active, Moderate
		Inflammation	Chronic Active, Moderate
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Skin	Epidermis	Inflammation	Mild
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Minimal
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	- UNCERTAIN		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 511	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 668
	DOSE: 100 NG/KG	**DISP:** Moribund Sacrifice	**HISTO:** 2002521

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Brain	* Esophagus
Eye	Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Nose	* Ovary
* Parathyroid Gland	* Salivary Glands	* Stomach, Glandular	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Adrenal Cortex		Atrophy	Moderate
		Hypertrophy	Mild
* Adrenal Medulla		Hyperplasia	Mild
* Bone Marrow		Hyperplasia	Marked
* Clitoral Gland	Duct	Cyst	Mild
Eye			
Note: One optic nerve missing.			
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Minimal
		Nephropathy	Moderate
* Liver		Cholangiocarcinoma	
		Cholangiofibrosis	Minimal
		Eosinophilic Focus	Multiple
		Fatty Change	Diffuse, Mild
	Bile Duct	Hyperplasia	Mild
	Oval Cell	Hyperplasia	Mild
		Hyperplasia	Nodular
	Hepatocyte	Hypertrophy	Moderate
		Inflammation	Minimal
	Hepatocyte	Multinucleated	Mild
		Pigmentation	Mild
		Toxic Hepatopathy	Moderate
[Cholangiocarcinoma TGLS = 3-12]			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 511	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 668
	DOSE: 100 NG/KG	**DISP:** Moribund Sacrifice	**HISTO:** 2002521

ORGAN AND ACCOUNTABLE SITE STATUS

[Eosinophilic Focus TGLS = 6-6+7]			
[Hyperplasia TGLS = 4-13,5-15]			
* Lung		Infiltration Cellular	Histiocyte, Mild
	Alveolar Epith	Metaplasia	Bronchiolar, Minimal
* Lymph Node, Mesenteric		Hyperplasia	Histiocytic, Moderate
[Hyperplasia TGLS = 8-15]			
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-11]			
* Pancreas	Acinus	Vacuolization Cytoplasmic	Minimal
* Pituitary Gland		Cyst	Mild
* Skin		Cyst Epithelial Inclusion	Moderate
[Cyst Epithelial Inclusion TGLS = 2-14]			
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Minimal
* Stomach, Forestomach		Hyperplasia	Squamous, Minimal
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Adenoma	
	C Cell	Hyperplasia	Mild
[Adenoma TGLS = 7-8]			

PRIMARY CAUSE OF DEATH	- Mammary Gland Fibroadenoma
CONTRIBUTORY CAUSE OF DEATH	- Liver Cholangiocarcinoma;Liver Hyperplasia

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 512	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 610
	DOSE: 100 NG/KG	**DISP:** Natural Death	**HISTO:** 2002522

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
		Degeneration	Cystic, Mild
		Hypertrophy	Marked
* Bone Marrow		Hyperplasia	Mild
* Clitoral Gland	Duct	Cyst	Mild
		Inflammation	Minimal
* Heart		Cardiomyopathy	Mild
* Int Sm Jejunum			
Note: Discoloration of the intestine observed at necropsy was attributed to adjacent mesenteric vessels which were inflamed, necrotic and hemorrhagic.			
* Kidney		Mineralization	Minimal
		Nephropathy	Moderate
[Nephropathy TGLS = 2-5]			
* Liver		Basophilic Focus	Multiple
		Degeneration	Cystic, Mild
		Eosinophilic Focus	Multiple
		Fatty Change	Diffuse, Mild
		Hematopoietic Cell Proliferation	Mild
	Bile Duct	Hyperplasia	Moderate
	Oval Cell	Hyperplasia	Moderate
		Hyperplasia	Nodular
	Hepatocyte	Hypertrophy	Marked
		Inflammation	Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 512	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 610
	DOSE: 100 NG/KG	**DISP:** Natural Death	**HISTO:** 2002522

ORGAN AND ACCOUNTABLE SITE STATUS

	Hepatocyte	Multinucleated	Mild
		Pigmentation	Mild
		Toxic Hepatopathy	Moderate
[Eosinophilic Focus TGLS = 3-6+7+12]			
* Lung		Cystic Keratinizing Epithelioma	
		Infiltration Cellular	Histiocyte, Mild
	Alveolar Epith	Metaplasia	Bronchiolar, Mild
[Cystic Keratinizing Epithelioma TGLS = 9-3]			
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-13]			
Mesentery	Artery	Inflammation	Chronic Active, Moderate
Note: Arteries of multiple organs were inflamed with necrotic walls but not all were recorded separately.			
[Inflammation TGLS = 7-11]			
Oral Mucosa	Gingival	Hyperplasia	Squamous, Mild
Note: There was a foreign material (hair) around the tooth which may have stimulated the hyperplasia.			
* Pancreas	Acinus	Atrophy	Mild
		Hemorrhage	Moderate
	Artery	Inflammation	Chronic Active, Mild
		Necrosis	Mild
[Hemorrhage TGLS = 4-6]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Mild
* Thymus		Atrophy	Marked
PRIMARY CAUSE OF DEATH	- Mesentery Artery Inflammation		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 513	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 731
	DOSE: 100 NG/KG	**DISP:** Terminal Sacrifice	**HISTO:** 2002523

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Atrophy	Moderate
		Hypertrophy	Mild
* Bone Marrow		Hyperplasia	Mild
* Clitoral Gland	Duct	Cyst	Mild
Eye			
Note: Only the lens was present on the second eye.			
* Heart		Cardiomyopathy	Moderate
* Kidney		Mineralization	Minimal
		Nephropathy	Moderate
* Liver		Angiectasis	Mild
		Cholangiofibrosis	Mild
	Bile Duct	Cyst	Marked
		Eosinophilic Focus	Multiple
		Fatty Change	Diffuse, Mild
	Portal	Fibrosis	Mild
	Bile Duct	Hyperplasia	Mild
	Oval Cell	Hyperplasia	Moderate
		Hyperplasia	Nodular
	Hepatocyte	Hypertrophy	Moderate
		Inflammation	Minimal
		Mixed Cell Focus	Multiple
		Pigmentation	Mild
		Toxic Hepatopathy	Marked

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 513	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 731
	DOSE: 100 NG/KG	**DISP:** Terminal Sacrifice	**HISTO:** 2002523

ORGAN AND ACCOUNTABLE SITE STATUS

[Fibrosis TGLS = 3-6+7]			
[Hyperplasia TGLS = 1,2-11+12+13]			
* Lung		Infiltration Cellular	Histiocyte, Mild
	Alveolar Epith	Metaplasia	Bronchiolar, Moderate
		Metaplasia	Squamous, Mild
Note: Left lung frozen for NTP.			
[Infiltration Cellular TGLS = 4-4]			
* Mammary Gland		Hyperplasia	Minimal
* Ovary		Atrophy	Marked
* Pancreas	Acinus	Atrophy	Mild
	Artery	Inflammation	Chronic Active, Moderate
	Acinus	Vacuolization Cytoplasmic	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Hyperplasia	Lymphoid, Mild
		Pigmentation	Mild
* Thymus		Atrophy	Moderate
* Thyroid Gland	Follicular Cel	Hypertrophy	Minimal
* Uterus		Metaplasia	Squamous, Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 514	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 610
	DOSE: 100 NG/KG	**DISP:** Moribund Sacrifice	**HISTO:** 2002524

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Atrophy	Minimal
		Hypertrophy	Moderate
		Vacuolization Cytoplasmic	Moderate
* Clitoral Gland	Duct	Cyst	Mild
		Inflammation	Mild
Harderian Gland		Squamous Cell Carcinoma	Metastatic (Oral Mucosa)
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Minimal
		Nephropathy	Mild
* Liver		Cholangiocarcinoma	
		Congestion	Mild
	Centrilobular	Degeneration	Mild
		Eosinophilic Focus	Multiple
		Fatty Change	Diffuse, Mild
	Portal	Fibrosis	Mild
	Bile Duct	Hyperplasia	Mild
	Oval Cell	Hyperplasia	Moderate
	Hepatocyte	Hypertrophy	Moderate
		Inflammation	Minimal
	Hepatocyte	Multinucleated	Minimal
		Pigmentation	Moderate
		Toxic Hepatopathy	Marked

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 514	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 610
	DOSE: 100 NG/KG	**DISP:** Moribund Sacrifice	**HISTO:** 2002524

ORGAN AND ACCOUNTABLE SITE STATUS

[Cholangiocarcinoma TGLS = 1-11]			
[Congestion TGLS = 2-6+7]			
* Lung		Infiltration Cellular	Histiocyte, Mild
	Alveolar Epith	Metaplasia	Bronchiolar, Mild
[Infiltration Cellular TGLS = 4-3]			
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Mild
Oral Mucosa	Gingival	Squamous Cell Carcinoma	
[Squamous Cell Carcinoma TGLS = 3-12]			
* Ovary		Atrophy	Marked
* Pancreas	Acinus	Vacuolization Cytoplasmic	Moderate
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Spleen		Pigmentation	Mild
* Thymus		Atrophy	Marked
Tooth	Peridont Tiss	Inflammation	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal

PRIMARY CAUSE OF DEATH	- Oral Mucosa Gingival Squamous Cell Carcinoma
CONTRIBUTORY CAUSE OF DEATH	- Liver Cholangiocarcinoma

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 515	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 733
	DOSE: 100 NG/KG	**DISP:** Terminal Sacrifice	**HISTO:** 2002525

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Moderate
		Hypertrophy	Mild
		Vacuolization Cytoplasmic	Minimal
* Bone Marrow		Hyperplasia	Mild
* Clitoral Gland	Duct	Cyst	Mild
Eye	Retina	Atrophy	Mild
Note: One optic nerve missing.			
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Minimal
		Nephropathy	Mild
* Liver		Cholangiocarcinoma	Multiple
		Cholangiofibrosis	Mild
	Bile Duct	Cyst	Mild
		Eosinophilic Focus	Multiple
		Fatty Change	Diffuse, Mild
	Portal	Fibrosis	Mild
	Bile Duct	Hyperplasia	Mild
	Oval Cell	Hyperplasia	Moderate
		Hyperplasia	Nodular
	Hepatocyte	Hypertrophy	Moderate
		Inflammation	Minimal
		Mixed Cell Focus	Multiple
	Hepatocyte	Multinucleated	Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 515	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 733
	DOSE: 100 NG/KG	**DISP:** Terminal Sacrifice	**HISTO:** 2002525

ORGAN AND ACCOUNTABLE SITE STATUS

		Pigmentation	Mild
		Toxic Hepatopathy	Marked
[Eosinophilic Focus TGLS = 2,4,6-6+7+14]			
[Mixed Cell Focus TGLS = 2,3,5-6+7+12+13]			
* Lung		Infiltration Cellular	Histiocyte, Mild
	Alveolar Epith	Metaplasia	Bronchiolar, Moderate
[Infiltration Cellular TGLS = 7-3+4]			
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Moderate
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-11]			
Mesentery	Artery	Inflammation	Chronic Active, Mild
* Ovary		Atrophy	Marked
* Pancreas	Acinus	Vacuolization Cytoplasmic	Moderate
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Minimal
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Adenoma	
Tooth	Peridont Tiss	Inflammation	Minimal
* Uterus		Metaplasia	Squamous, Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 516	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 731
	DOSE: 100 NG/KG	**DISP:** Terminal Sacrifice	**HISTO:** 2002526

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
		Atrophy	Moderate
		Hypertrophy	Marked
		Vacuolization Cytoplasmic	Moderate
Note: One adrenal was atrophic.			
* Bone Marrow		Hyperplasia	Mild
* Clitoral Gland	Duct	Cyst	Mild
* Heart		Cardiomyopathy	Minimal
	Artery	Inflammation	Minimal
* Kidney	Renal Tubule	Degeneration	Mild
		Nephropathy	Mild
* Liver		Fatty Change	Diffuse, Minimal
	Bile Duct	Hyperplasia	Mild
	Oval Cell	Hyperplasia	Mild
		Hyperplasia	Nodular
	Hepatocyte	Hypertrophy	Moderate
	Hepatocyte	Multinucleated	Mild
		Pigmentation	Mild
		Toxic Hepatopathy	Moderate

[Hyperplasia TGLS = 2-6+7]
[Toxic Hepatopathy TGLS = 3-12]

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 516	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 731
	DOSE: 100 NG/KG	**DISP:** Terminal Sacrifice	**HISTO:** 2002526

ORGAN AND ACCOUNTABLE SITE STATUS

* Lung		Infiltration Cellular	Histiocyte, Mild
	Alveolar Epith	Metaplasia	Bronchiolar, Mild
Note: Left lung frozen for NTP.			
[Infiltration Cellular TGLS = 4-4]			
* Lymph Node, Mandibular		Ectasia	Moderate
		Inflammation	Suppurative, Mild
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Mild
[Fibroadenoma TGLS = 1-11]			
Oral Mucosa	Gingival	Hyperplasia	Squamous, Minimal
* Ovary		Atrophy	Marked
* Pancreas	Acinus	Vacuolization Cytoplasmic	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Minimal
* Thymus		Atrophy	Marked
* Thyroid Gland	Follicular Cel	Hypertrophy	Minimal
Tooth	Peridont Tiss	Inflammation	Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 517	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 638
	DOSE: 100 NG/KG	**DISP:** Natural Death	**HISTO:** 2002527

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Bone Marrow	* Brain
* Esophagus	Eye	Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Glandular	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Adrenal Medulla		Hyperplasia	Minimal
* Clitoral Gland	Duct	Cyst	Moderate
Eye			
Note: One optic nerve missing.			
* Kidney		Nephropathy	Mild
* Liver		Cholangiocarcinoma	
		Cholangiofibrosis	Mild
	Bile Duct	Cyst	Mild
		Eosinophilic Focus	Multiple
		Fatty Change	Diffuse, Mild
	Bile Duct	Fibrosis	Minimal
	Portal	Fibrosis	Moderate
	Bile Duct	Hyperplasia	Mild
	Oval Cell	Hyperplasia	Moderate
		Hyperplasia	Nodular
	Hepatocyte	Hypertrophy	Marked
		Inflammation	Mild
	Hepatocyte	Multinucleated	Moderate
		Necrosis	Mild
		Pigmentation	Moderate
		Toxic Hepatopathy	Marked

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 517	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 638
	DOSE: 100 NG/KG	**DISP:** Natural Death	**HISTO:** 2002527

ORGAN AND ACCOUNTABLE SITE STATUS

[Cholangiocarcinoma TGLS = 5-12]			
[Fibrosis TGLS = 1,2-6+7+11]			
[Hyperplasia TGLS = 3-7]			
[Hyperplasia TGLS = 2-6]			
* Lung		Infiltration Cellular	Histiocyte, Mild
	Alveolar Epith	Metaplasia	Bronchiolar, Mild
* Nose	Septum, Turbinate	Inflammation	Moderate
Note: The nasal cavity contained inflammatory exudate.			
Oral Mucosa	Gingival	Squamous Cell Carcinoma	
[Squamous Cell Carcinoma TGLS = 6-1]			
* Ovary		Atrophy	Marked
* Pancreas	Acinus	Vacuolization Cytoplasmic	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Mild
* Stomach, Forestomach		Hyperplasia	Squamous, Mild
* Thymus		Atrophy	Marked
* Thyroid Gland	Bilateral, C Cell	Adenoma	
	C Cell	Hyperplasia	Minimal
[Adenoma TGLS = 4-8]			
PRIMARY CAUSE OF DEATH	- Oral Mucosa Gingival Squamous Cell Carcinoma		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 518	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 721
	DOSE: 100 NG/KG	**DISP:** Natural Death	**HISTO:** 2002528

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Heart	* Islets, Pancreatic	* Lung	* Pancreas
* Spleen			

OBSERVATIONS

* Adrenal Cortex		Atrophy	Mild
		Hyperplasia	Mild
		Vacuolization Cytoplasmic	Mild
* Bone Marrow		Hyperplasia	Moderate
* Clitoral Gland	Duct	Cyst	Moderate
Eye			
Note: One optic nerve missing.			
* Kidney		Calculus Gross Observation	Marked
		Mineralization	Moderate
		Nephropathy	Moderate
Note: One kidney missing (cannibalized).			
[Calculus Gross Observation TGLS = 2-5]			
[Nephropathy TGLS = 1-5]			
* Liver		Basophilic Focus	Multiple
		Cholangiocarcinoma	
		Cholangiofibrosis	Mild
		Fatty Change	Diffuse, Minimal
	Bile Duct	Hyperplasia	Mild
	Oval Cell	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 518	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 721
	DOSE: 100 NG/KG	**DISP:** Natural Death	**HISTO:** 2002528

ORGAN AND ACCOUNTABLE SITE STATUS

		Hyperplasia	Nodular
	Hepatocyte	Hypertrophy	Moderate
		Inflammation	Moderate
	Hepatocyte	Multinucleated	Mild
		Necrosis	Moderate
		Pigmentation	Mild
		Toxic Hepatopathy	Marked
* Mammary Gland		Hyperplasia	Minimal
* Ovary			
Note: One ovary missing (cannibalized).			
* Thymus		Atrophy	Marked
Tooth	Peridont Tiss	Inflammation	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal

PRIMARY CAUSE OF DEATH	- Kidney	Calculus Gross Observation
CONTRIBUTORY CAUSE OF DEATH	- Kidney	Nephropathy;Liver Necrosis

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 519	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 716
	DOSE: 100 NG/KG	**DISP:** Natural Death	**HISTO:** 2002529

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Esophagus	Eye	Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric	* Mammary Gland
* Pancreas	* Pituitary Gland	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mandibular	* Parathyroid Gland	* Salivary Glands	* Thyroid Gland

OBSERVATIONS

* Adrenal Cortex		Atrophy	Marked
		Hypertrophy	Marked
		Vacuolization Cytoplasmic	Moderate
Note: One adrenal atrophic.			
* Bone Marrow		Hyperplasia	Moderate
* Clitoral Gland	Duct	Cyst	Moderate
		Inflammation	Mild
Eye			
Note: One optic nerve missing.			
Harderian Gl			
Note: One Harderian gland missing.			
* Heart		Cardiomyopathy	Mild
* Kidney		Mineralization	Minimal
		Nephropathy	Mild
* Liver		Basophilic Focus	Multiple
		Eosinophilic Focus	Multiple
		Fatty Change	Diffuse, Moderate
	Portal	Fibrosis	Mild
		Hepatocellular Adenoma	
	Bile Duct	Hyperplasia	Mild
	Oval Cell	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 519	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 716
	DOSE: 100 NG/KG	**DISP:** Natural Death	**HISTO:** 2002529

ORGAN AND ACCOUNTABLE SITE STATUS

	Hepatocyte	Hypertrophy	Moderate
		Inflammation	Minimal
	Hepatocyte	Multinucleated	Mild
		Pigmentation	Mild
		Toxic Hepatopathy	Marked
[Eosinophilic Focus TGLS = 5-6+7]			
[Fibrosis TGLS = 4-6+7]			
[Hepatocellular Adenoma TGLS = 6-11]			
* Lung		Cystic Keratinizing Epithelioma	
		Infiltration Cellular	Histiocyte, Moderate
	Alveolar Epith	Metaplasia	Bronchiolar, Mild
[Cystic Keratinizing Epithelioma TGLS = 2-4]			
[Infiltration Cellular TGLS = 1-3+4]			
* Nose		Squamous Cell Carcinoma	Metastatic (Oral Mucosa)
Oral Mucosa	Gingival	Squamous Cell Carcinoma	
[Squamous Cell Carcinoma TGLS = 7-1]			
* Ovary		Atrophy	Marked
		Inflammation	Chronic Active, Moderate
* Skin		Inflammation	Chronic Active, Moderate
* Spleen		Pigmentation	Mild
* Thymus		Atrophy	Marked
* Uterus		Carcinoma	
[Carcinoma TGLS = 3-10]			

PRIMARY CAUSE OF DEATH	- Oral Mucosa Gingival Squamous Cell Carcinoma
CONTRIBUTORY CAUSE OF DEATH	- Lung Cystic Keratinizing Epithelioma;Uterus Carcinoma

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 520	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 733
	DOSE: 100 NG/KG	**DISP:** Terminal Sacrifice	**HISTO:** 2002530

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Thymus

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
		Atrophy	Mild
		Hyperplasia	Mild
		Hypertrophy	Moderate
* Bone Marrow		Hyperplasia	Moderate
* Clitoral Gland	Duct	Cyst	Minimal
Eye			
Note: One optic nerve missing.			
* Kidney		Mineralization	Minimal
		Nephropathy	Mild
* Liver		Cholangiocarcinoma	
		Cholangiofibrosis	Mild
	Bile Duct	Cyst	Moderate
		Fatty Change	Diffuse, Mild
	Bile Duct	Hyperplasia	Moderate
	Oval Cell	Hyperplasia	Mild
		Hyperplasia	Nodular
	Hepatocyte	Hypertrophy	Moderate
		Inflammation	Minimal
		Mixed Cell Focus	Multiple

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 520	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 733
	DOSE: 100 NG/KG	**DISP:** Terminal Sacrifice	**HISTO:** 2002530

ORGAN AND ACCOUNTABLE SITE STATUS

	Hepatocyte	Multinucleated	Minimal
		Pigmentation	Mild
		Toxic Hepatopathy	Moderate
[Hyperplasia TGLS = 2-11]			
[Mixed Cell Focus TGLS = 3-6+7+12]			
* Lung		Infiltration Cellular	Histiocyte, Mild
	Alveolar Epith	Metaplasia	Bronchiolar, Minimal
* Mammary Gland		Hyperplasia	Minimal
* Ovary		Atrophy	Moderate
		Cyst	Moderate
[Cyst TGLS = 1-10]			
* Pancreas	Artery	Inflammation	Chronic Active, Moderate
	Acinus	Vacuolization Cytoplasmic	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Moderate
* Thyroid Gland	C Cell	Adenoma	
	C Cell	Hyperplasia	Moderate
	Follicular Cel	Hypertrophy	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
		Metaplasia	Squamous, Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 521	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 474
	DOSE: 100 NG/KG	**DISP:** Natural Death	**HISTO:** 2002531

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Thymus

OBSERVATIONS

* Bone Marrow		Hyperplasia	Moderate
* Clitoral Gland	Duct	Cyst	Moderate
		Inflammation	Mild
Eye			
Note: One optic nerve missing.			
* Kidney		Mineralization	Minimal
		Nephropathy	Mild
* Liver		Fatty Change	Diffuse, Mild
	Portal	Fibrosis	Mild
	Bile Duct	Hyperplasia	Mild
	Oval Cell	Hyperplasia	Moderate
		Hyperplasia	Nodular
	Hepatocyte	Hypertrophy	Moderate
		Inflammation	Minimal
	Hepatocyte	Multinucleated	Moderate
		Necrosis	Mild
		Pigmentation	Mild
		Toxic Hepatopathy	Moderate
[Fatty Change TGLS = 6-6+7+11]			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 521	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 474
	DOSE: 100 NG/KG	**DISP:** Natural Death	**HISTO:** 2002531

ORGAN AND ACCOUNTABLE SITE STATUS

* Lung		Hemorrhage	Moderate
		Infiltration Cellular	Histiocyte, Moderate
		Inflammation	Chronic Active, Moderate
		Necrosis	Marked
Note: The rat died as the result of necrosis, hemorrhage and inflammation in the lung which was attributed to a previous dosing accident.			
[Hemorrhage TGLS = 5-3+4]			
[Inflammation TGLS = 2-3+4]			
[Necrosis TGLS = 2-3+4]			
Lymph Node	Mediastinal	Hemorrhage	Moderate
[Hemorrhage TGLS = 4-12]			
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Mild
[Hyperplasia TGLS = 3-9]			
* Ovary		Cyst	Mild
* Spleen		Hematopoietic Cell Proliferation	Moderate
		Pigmentation	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal

PRIMARY CAUSE OF DEATH	- Lung	Necrosis
CONTRIBUTORY CAUSE OF DEATH	- Lung	Inflammation

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 522	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 701
	DOSE: 100 NG/KG	**DISP:** Moribund Sacrifice	**HISTO:** 2002532

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
		Atrophy	Marked
		Degeneration	Cystic, Mild
		Hypertrophy	Marked
		Vacuolization Cytoplasmic	Moderate
Note: One adrenal was atrophic and the other was hyperplastic.			
[Atrophy TGLS = 10-8]			
[Hypertrophy TGLS = 11-8]			
* Bone Marrow		Atrophy	Marked
		Hyperplasia	Moderate
* Clitoral Gland	Duct	Cyst	Mild
Eye			
Note: One optic nerve missing.			
* Heart		Cardiomyopathy	Minimal
* Kidney	Transit Epithe	Hyperplasia	Marked
	Pelvis	Inflammation	Moderate
		Mineralization	Minimal
		Nephropathy	Mild
* Liver		Cholangiocarcinoma	Multiple
		Fatty Change	Diffuse, Mild
	Portal	Fibrosis	Mild
	Bile Duct	Hyperplasia	Mild
	Oval Cell	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 522	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 701
	DOSE: 100 NG/KG	**DISP:** Moribund Sacrifice	**HISTO:** 2002532

ORGAN AND ACCOUNTABLE SITE STATUS

		Hyperplasia	Nodular
	Hepatocyte	Hypertrophy	Moderate
		Inflammation	Minimal
	Hepatocyte	Multinucleated	Minimal
		Necrosis	Mild
		Pigmentation	Mild
		Toxic Hepatopathy	Moderate
[Cholangiocarcinoma TGLS = 3,4,5,6,7-12+14+15+16+17]			
[Hyperplasia TGLS = 8-6+7]			
* Lung		Hemorrhage	Mild
		Infiltration Cellular	Histiocyte, Mild
	Alveolar Epith	Metaplasia	Bronchiolar, Mild
[Infiltration Cellular TGLS = 9-3+4]			
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Mild
* Mammary Gland		Fibroadenoma	Multiple
		Hyperplasia	Minimal
[Fibroadenoma TGLS = 1,2-11+13]			
* Ovary		Cyst	Mild
Note: The ovarian cyst appeared to be a bursal cyst.			
[Cyst TGLS = 12-10]			
* Pancreas	Acinus	Vacuolization Cytoplasmic	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Minimal
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Mild
* Urinary Bladder	Transit Epithe	Hyperplasia	Moderate
		Inflammation	Mild
		Metaplasia	Squamous, Moderate

PRIMARY CAUSE OF DEATH	- Liver Cholangiocarcinoma
CONTRIBUTORY CAUSE OF DEATH	- Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 523	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 369
	DOSE: 100 NG/KG	**DISP:** Scheduled Sacrifice	**HISTO:** 2002533

***** NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 524	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 612
	DOSE: 100 NG/KG	**DISP:** Moribund Sacrifice	**HISTO:** 2002534

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Thymus

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
		Hypertrophy	Mild
* Bone Marrow		Hyperplasia	Moderate
* Clitoral Gland		Inflammation	Minimal
Eye			
Note: One optic nerve missing.			
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Basophilic Focus	Multiple
	Bile Duct	Cyst	Mild
		Eosinophilic Focus	Multiple
	Bile Duct	Hyperplasia	Mild
	Oval Cell	Hyperplasia	Minimal
		Inflammation	Minimal
	Hepatocyte	Multinucleated	Minimal
		Pigmentation	Mild
		Toxic Hepatopathy	Moderate
[Eosinophilic Focus TGLS = 3-6+7]			
* Lung		Infiltration Cellular	Histiocyte, Mild
	Alveolar Epith	Metaplasia	Bronchiolar, Moderate

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 524	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 612
	DOSE: 100 NG/KG	**DISP:** Moribund Sacrifice	**HISTO:** 2002534

ORGAN AND ACCOUNTABLE SITE STATUS

[Infiltration Cellular TGLS = 2-3+4]			
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-11]			
* Ovary		Atrophy	Marked
* Pancreas	Acinus	Vacuolization Cytoplasmic	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thyroid Gland	Follicular Cel	Hypertrophy	Mild
Tooth	Peridont Tiss	Inflammation	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal
		Metaplasia	Squamous, Minimal

PRIMARY CAUSE OF DEATH - Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 525	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 396
	DOSE: 100 NG/KG	**DISP:** Moribund Sacrifice	**HISTO:** 2002535

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Clitoral Gland	Ear	* Esophagus	Eye
Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mesenteric	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Pituitary Gland

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
		Atrophy	Minimal
		Hyperplasia	Mild
		Hypertrophy	Minimal
* Bone Marrow		Hyperplasia	Moderate
Eye			
Note: One optic nerve missing.			
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Congestion	Mild
		Eosinophilic Focus	Multiple
		Fatty Change	Diffuse, Mild
	Bile Duct	Hyperplasia	Minimal
	Oval Cell	Hyperplasia	Minimal
		Hyperplasia	Nodular
	Hepatocyte	Hypertrophy	Marked
		Inflammation	Mild
		Mixed Cell Focus	Multiple
	Hepatocyte	Multinucleated	Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 525	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 396
	DOSE: 100 NG/KG	**DISP:** Moribund Sacrifice	**HISTO:** 2002535

ORGAN AND ACCOUNTABLE SITE STATUS

		Pigmentation	Mild
		Toxic Hepatopathy	Moderate
[Congestion TGLS = 3-6+7+12]			
[Eosinophilic Focus TGLS = 4-6+7+12]			
[Mixed Cell Focus TGLS = 2-6+7+12]			
* Lung		Infiltration Cellular	Histiocyte, Mild
	Alveolar Epith	Metaplasia	Bronchiolar, Minimal
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Moderate
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-11]			
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Minimal
* Thymus		Atrophy	Marked
		Cyst	Mild
* Thyroid Gland	C Cell	Hyperplasia	Mild
	Follicular Cel	Hypertrophy	Mild
PRIMARY CAUSE OF DEATH	- Mammary Gland Fibroadenoma		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 526	**TRT#:** 7	**SEX:** Female	**DAY ON TEST:** 733
	DOSE: 100 NG/ KG/STOP	**DISP:** Terminal Sacrifice	**HISTO:** 2002536

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Mild
* Bone Marrow		Hyperplasia	Mild
* Clitoral Gland	Duct	Cyst	Moderate
		Inflammation	Mild
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Basophilic Focus	Multiple
		Cholangioma	
		Clear Cell Focus	
		Eosinophilic Focus	Multiple
		Fatty Change	Focal, Minimal
	Hepatocyte	Hypertrophy	Mild
		Inflammation	Minimal
		Mixed Cell Focus	Multiple
	Hepatocyte	Multinucleated	Minimal
		Pigmentation	Mild
		Toxic Hepatopathy	Minimal
[Eosinophilic Focus TGLS = 5-6+7+14]			
[Mixed Cell Focus TGLS = 5-6+7+14]			
* Lung		Infiltration Cellular	Histiocyte, Mild
[Infiltration Cellular TGLS = 4-3+4]			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 526	**TRT#:** 7	**SEX:** Female	**DAY ON TEST:** 733
	DOSE: 100 NG/ KG/STOP	**DISP:** Terminal Sacrifice	**HISTO:** 2002536

ORGAN AND ACCOUNTABLE SITE STATUS

* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Moderate
* Mammary Gland		Fibroadenoma	Multiple
		Hyperplasia	Minimal
[Fibroadenoma TGLS = 1,2,3-11+12+13]			
Oral Mucosa	Gingival	Hyperplasia	Squamous, Mild
Note: The squamous cell hyperplasia was probably secondary to the inflammation and foreign body (hair) in the tissue around the tooth.			
* Ovary		Atrophy	Marked
* Pituitary Gland		Angiectasis	Minimal
	Pars Distalis	Hyperplasia	Mild
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Mild
* Thymus		Atrophy	Mild
* Thyroid Gland	Follicular Cel	Hypertrophy	Minimal
Tooth	Peridont Tiss	Inflammation	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
		Metaplasia	Squamous, Mild
		Polyp Stromal	

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 527	**TRT#:** 7	**SEX:** Female	**DAY ON TEST:** 702
	DOSE: 100 NG/ KG/STOP	**DISP:** Moribund Sacrifice	**HISTO:** 2002537

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Brain	* Esophagus
Eye	Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric	* Nose
* Pancreas	* Parathyroid Gland	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	

MISSING

* Thymus

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Moderate
		Hypertrophy	Moderate
* Bone		Squamous Cell Carcinoma	Metastatic (Tongue)
Note: The squamous cell carcinoma had infiltrated to the mandible and surrounding tissue.			
[Squamous Cell Carcinoma TGLS = 9-17]			
* Bone Marrow		Hyperplasia	Moderate
* Clitoral Gland	Duct	Cyst	Moderate
		Inflammation	Minimal
Eye			
Note: One optic nerve missing.			
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	Multiple
	Bile Duct	Cyst	Moderate
		Fatty Change	Diffuse, Minimal
	Bile Duct	Fibrosis	Minimal
		Hepatocellular Adenoma	
	Bile Duct	Hyperplasia	Minimal
	Hepatocyte	Hypertrophy	Moderate
	Hepatocyte	Multinucleated	Minimal
		Pigmentation	Mild
		Toxic Hepatopathy	Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 527	**TRT#:** 7	**SEX:** Female	**DAY ON TEST:** 702
	DOSE: 100 NG/ KG/STOP	**DISP:** Moribund Sacrifice	**HISTO:** 2002537

ORGAN AND ACCOUNTABLE SITE STATUS

[Cyst TGLS = 7-15]			
[Hepatocellular Adenoma TGLS = 6-14]			
* Lung		Infiltration Cellular	Histiocyte, Moderate
	Alveolar Epith	Metaplasia	Bronchiolar, Mild
		Metaplasia	Squamous, Mild
[Infiltration Cellular TGLS = 10-3+4]			
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Moderate
[Hyperplasia TGLS = 4-9]			
* Mammary Gland		Cyst	Moderate
		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 1,2-11+13]			
Oral Mucosa	Gingival	Squamous Cell Carcinoma	
[Squamous Cell Carcinoma TGLS = 11-1]			
* Ovary		Atrophy	Marked
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Mild
[Adenoma TGLS = 3-8]			
* Salivary Glands		Atrophy	Mild
* Spleen		Pigmentation	Moderate
* Thyroid Gland	C Cell	Adenoma	
Tongue		Inflammation	Chronic Active, Moderate
		Squamous Cell Carcinoma	
[Squamous Cell Carcinoma TGLS = 8-12]			
Tooth	Peridont Tiss	Inflammation	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal
	Cervix	Inflammation	Chronic Active, Moderate
[Inflammation TGLS = 5-16]			

PRIMARY CAUSE OF DEATH	- Tongue Squamous Cell Carcinoma
CONTRIBUTORY CAUSE OF DEATH	- Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 528	**TRT#:** 7	**SEX:** Female	**DAY ON TEST:** 731
	DOSE: 100 NG/ KG/STOP	**DISP:** Terminal Sacrifice	**HISTO:** 2002538

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
		Hypertrophy	Minimal
* Adrenal Medulla		Hyperplasia	Mild
		Pheochromocytoma Complex	
[Pheochromocytoma Complex TGLS = 1-8]			
* Bone Marrow		Hyperplasia	Mild
* Clitoral Gland	Duct	Cyst	Moderate
		Inflammation	Minimal
[Cyst TGLS = 2-10]			
* Kidney		Mineralization	Minimal
		Nephropathy	Mild
* Liver		Clear Cell Focus	
		Fatty Change	Focal, Minimal
	Bile Duct	Fibrosis	Minimal
	Hepatocyte	Hypertrophy	Mild
		Inflammation	Minimal
		Mixed Cell Focus	Multiple
	Hepatocyte	Multinucleated	Minimal
		Pigmentation	Mild
		Toxic Hepatopathy	Minimal
* Lung		Infiltration Cellular	Histiocyte, Minimal
Note: Left lung frozen for NTP.			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 528	**TRT#:** 7	**SEX:** Female	**DAY ON TEST:** 731
	DOSE: 100 NG/ KG/STOP	**DISP:** Terminal Sacrifice	**HISTO:** 2002538

ORGAN AND ACCOUNTABLE SITE STATUS

* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Mild
* Mammary Gland		Hyperplasia	Minimal
* Ovary		Atrophy	Marked
		Cyst	Mild
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Mild
* Thymus		Atrophy	Moderate
* Thyroid Gland	Bilateral, C Cell	Adenoma	
	C Cell	Hyperplasia	Moderate
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
		Metaplasia	Squamous, Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 529	**TRT#:** 7	**SEX:** Female	**DAY ON TEST:** 578
	DOSE: 100 NG/ KG/STOP	**DISP:** Moribund Sacrifice	**HISTO:** 2002539

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Brain	* Clitoral Gland
* Esophagus	Eye	Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Minimal
		Hyperplasia	Moderate
		Hypertrophy	Minimal
		Necrosis	Moderate
* Adrenal Medulla		Hyperplasia	Mild
* Bone Marrow		Hyperplasia	Moderate
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Eosinophilic Focus	Multiple
	Hepatocyte	Hypertrophy	Minimal
		Pigmentation	Mild
* Lung		Infiltration Cellular	Histiocyte, Mild
	Alveolar Epith	Metaplasia	Bronchiolar, Minimal
* Mammary Gland		Adenolipoma	
		Fibroadenoma	
[Adenolipoma TGLS = 2-12]			
[Fibroadenoma TGLS = 1-11]			
* Ovary		Atrophy	Marked
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Minimal
* Thymus		Atrophy	Marked

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 529	**TRT#:** 7	**SEX:** Female	**DAY ON TEST:** 578
	DOSE: 100 NG/ KG/STOP	**DISP:** Moribund Sacrifice	**HISTO:** 2002539

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland	C Cell	Hyperplasia	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
		Metaplasia	Squamous, Minimal
PRIMARY CAUSE OF DEATH	- Mammary Gland Fibroadenoma		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 530	**TRT#:** 7	**SEX:** Female	**DAY ON TEST:** 653
	DOSE: 100 NG/ KG/STOP	**DISP:** Natural Death	**HISTO:** 2002540

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
		Hypertrophy	Mild
* Bone Marrow		Hyperplasia	Moderate
* Clitoral Gland		Atrophy	Mild
	Duct	Cyst	Moderate
		Inflammation	Minimal
[Atrophy TGLS = 3-10]			
[Cyst TGLS = 2-10]			
Eye	Retina	Atrophy	Mild
Harderian Gland		Inflammation	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Eosinophilic Focus	Multiple
		Fatty Change	Diffuse, Minimal
	Hepatocyte	Hypertrophy	Mild
		Inflammation	Mild
	Hepatocyte	Multinucleated	Mild
		Pigmentation	Mild
		Toxic Hepatopathy	Mild
* Lung		Infiltration Cellular	Histiocyte, Mild
	Alveolar Epith	Metaplasia	Bronchiolar, Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 530	**TRT#:** 7	**SEX:** Female	**DAY ON TEST:** 653
	DOSE: 100 NG/ KG/STOP	**DISP:** Natural Death	**HISTO:** 2002540

ORGAN AND ACCOUNTABLE SITE STATUS

* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Mild
* Lymph Node, Mesenteric		Hyperplasia	Histiocytic, Moderate
[Hyperplasia TGLS = 4-6]			
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Mild
[Fibroadenoma TGLS = 1-11]			
* Ovary		Atrophy	Marked
		Cyst	Mild
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Hyperplasia	Lymphoid, Mild
		Pigmentation	Minimal
* Thymus		Atrophy	Moderate
* Thyroid Gland	Follicular Cel	Hypertrophy	Moderate
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
		Metaplasia	Squamous, Mild

PRIMARY CAUSE OF DEATH - Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 531	**TRT#:** 7	**SEX:** Female	**DAY ON TEST:** 673
	DOSE: 100 NG/ KG/STOP	**DISP:** Moribund Sacrifice	**HISTO:** 2002541

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Moderate
		Hypertrophy	Mild
		Vacuolization Cytoplasmic	Minimal
* Adrenal Medulla		Hyperplasia	Mild
* Bone Marrow		Hyperplasia	Moderate
* Clitoral Gland	Duct	Cyst	Minimal
Eye			
Note: One optic nerve missing.			
Harderian Gland		Inflammation	Minimal
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Eosinophilic Focus	Multiple
	Hepatocyte	Hypertrophy	Minimal
		Inflammation	Minimal
		Mixed Cell Focus	Multiple
	Hepatocyte	Multinucleated	Minimal
		Pigmentation	Mild
		Toxic Hepatopathy	Minimal
* Lung		Infiltration Cellular	Histiocyte, Mild
	Alveolar Epith	Metaplasia	Bronchiolar, Minimal
[Infiltration Cellular TGLS = 3-3+4]			
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Mild
* Mammary Gland		Fibroadenoma	Multiple

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 531	**TRT#:** 7	**SEX:** Female	**DAY ON TEST:** 673
	DOSE: 100 NG/ KG/STOP	**DISP:** Moribund Sacrifice	**HISTO:** 2002541

ORGAN AND ACCOUNTABLE SITE STATUS

[Fibroadenoma TGLS = 1,2-11+12]			
* Ovary		Atrophy	Marked
* Pancreas	Acinus	Atrophy	Minimal
		Inflammation	Chronic Active, Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
		Vacuolization Cytoplasmic	Minimal
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Minimal
* Thymus		Atrophy	Marked
* Uterus		Metaplasia	Squamous, Mild
PRIMARY CAUSE OF DEATH	- Mammary Gland Fibroadenoma		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 532	**TRT#:** 7	**SEX:** Female	**DAY ON TEST:** 484
	DOSE: 100 NG/ KG/STOP	**DISP:** Natural Death	**HISTO:** 2002542

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Bone Marrow		Hyperplasia	Marked
* Clitoral Gland	Duct	Cyst	Moderate
		Inflammation	Minimal
Eye			
Note: One optic nerve missing.			
* Heart		Inflammation	Mild
		Schwannoma Malignant	
	Atrium	Thrombosis	Moderate
* Kidney	Pelvis	Dilatation	Mild
[Dilatation TGLS = 2-5]			
* Liver		Inflammation	Moderate
		Necrosis	Moderate
		Pigmentation	Mild
[Necrosis TGLS = 4-7]			
* Lung	Serosa	Inflammation	Suppurative, Moderate
		Inflammation	Suppurative, Moderate
* Ovary		Atrophy	Marked
* Stomach, Forestomach		Ulcer	Mild
* Thymus		Atrophy	Moderate
Tooth	Peridont Tiss	Inflammation	Moderate
* Uterus		Inflammation	Suppurative, Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 532	**TRT#:** 7	**SEX:** Female	**DAY ON TEST:** 484
	DOSE: 100 NG/ KG/STOP	**DISP:** Natural Death	**HISTO:** 2002542

ORGAN AND ACCOUNTABLE SITE STATUS

	Metaplasia	Squamous, Moderate

Note: The uterus was distended with a keratin-like material and cellular debri.
[Metaplasia TGLS = 1-11]

PRIMARY CAUSE OF DEATH	- Heart Schwannoma Malignant
CONTRIBUTORY CAUSE OF DEATH	- Heart Atrium Thrombosis;Liver Inflammation;Liver Necrosis;Lung Serosa Inflammation;Lung Inflammation

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 533	**TRT#:** 7	**SEX:** Female	**DAY ON TEST:** 726
	DOSE: 100 NG/ KG/STOP	**DISP:** Moribund Sacrifice	**HISTO:** 2002543

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Mild
		Hyperplasia	Moderate
		Hypertrophy	Mild
* Bone Marrow		Hyperplasia	Mild
* Clitoral Gland		Inflammation	Mild
Eye			
Note: One optic nerve missing.			
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Basophilic Focus	Multiple
		Eosinophilic Focus	Multiple
		Fatty Change	Focal, Minimal
		Hepatocellular Adenoma	
	Hepatocyte	Hypertrophy	Mild
		Inflammation	Minimal
	Hepatocyte	Multinucleated	Minimal
		Necrosis	Minimal
		Pigmentation	Minimal
		Toxic Hepatopathy	Minimal
[Eosinophilic Focus TGLS = 4-6+7+13]			
[Hepatocellular Adenoma TGLS = 3-12]			
* Lung		Infiltration Cellular	Histiocyte, Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 533	**TRT#:** 7	**SEX:** Female	**DAY ON TEST:** 726
	DOSE: 100 NG/ KG/STOP	**DISP:** Moribund Sacrifice	**HISTO:** 2002543

ORGAN AND ACCOUNTABLE SITE STATUS

	Alveolar Epith	Metaplasia	Bronchiolar, Minimal
[Infiltration Cellular TGLS = 2-3+4]			
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Mild
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-11]			
* Ovary		Atrophy	Marked
		Cyst	Mild
Note: One ovary missing.			
* Pituitary Gland		Cytoplasmic Alteration	Mild
	Pars Distalis	Hyperplasia	Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal
PRIMARY CAUSE OF DEATH	- Mammary Gland Fibroadenoma		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 534	**TRT#:** 7	**SEX:** Female	**DAY ON TEST:** 731
	DOSE: 100 NG/ KG/STOP	**DISP:** Terminal Sacrifice	**HISTO:** 2002544

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Atrophy	Moderate
		Degeneration	Cystic, Mild
		Hypertrophy	Moderate
Note: One adrenal was atrophic.			
[Atrophy TGLS = 3-8]			
* Adrenal Medulla		Hyperplasia	Mild
* Bone Marrow		Hyperplasia	Moderate
* Clitoral Gland	Duct	Cyst	Mild
Eye			
Note: One optic nerve missing. There was inflammation in ocular muscle.			
* Intestine Small, Jejunum		Inflammation	Chronic, Mild
* Kidney		Mineralization	Minimal
		Nephropathy	Mild
* Liver		Angiectasis	Mild
		Atypia Cellular	Minimal
		Basophilic Focus	Multiple
	Hepatocyte	Hypertrophy	Minimal
	Serosa	Inflammation	Chronic Active, Moderate
		Inflammation	Minimal
	Hepatocyte	Multinucleated	Minimal
		Pigmentation	Mild
		Toxic Hepatopathy	Minimal
* Lung		Infiltration Cellular	Histiocyte, Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 534	**TRT#:** 7	**SEX:** Female	**DAY ON TEST:** 731
	DOSE: 100 NG/ KG/STOP	**DISP:** Terminal Sacrifice	**HISTO:** 2002544

ORGAN AND ACCOUNTABLE SITE STATUS

	Alveolar Epith	Metaplasia	Bronchiolar, Minimal
Note: Left lung frozen for NTP.			
[Metaplasia TGLS = 2-4]			
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Moderate
* Nose		Inflammation	Minimal
Oral Mucosa			
Note: One ovary was obscured by the uterine tumor.			
* Ovary		Atrophy	Marked
		Carcinoma	Metastatic (Uterus)
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
		Vacuolization Cytoplasmic	Mild
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Minimal
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Carcinoma	
[Carcinoma TGLS = 1-8]			
Tooth	Peridont Tiss	Inflammation	Moderate
* Uterus		Carcinoma	
	Endometrium	Hyperplasia	Cystic, Mild
		Inflammation	Suppurative, Moderate
		Squamous Cell Carcinoma	
Note: Slide 11 had the appearance of a squamous cell carcinoma of the uterus and slide 12 had the appearance of an adenocarcinoma of the uterus.			
[Carcinoma TGLS = 5-12]			
[Squamous Cell Carcinoma TGLS = 4-11]			
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 535	**TRT#:** 7	**SEX:** Female	**DAY ON TEST:** 731
	DOSE: 100 NG/ KG/STOP	**DISP:** Terminal Sacrifice	**HISTO:** 2002545

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* 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	* Lymph Node, Mesenteric	* Nose
* Pancreas	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
		Degeneration	Cystic, Minimal
		Hypertrophy	Moderate
* Clitoral Gland		Inflammation	Mild
Eye	Retina	Atrophy	Mild
Note: One optic nerve missing.			
Harderian Gland		Inflammation	Minimal
* Kidney		Mineralization	Minimal
		Nephropathy	Mild
* Liver		Basophilic Focus	Multiple
		Clear Cell Focus	
		Eosinophilic Focus	
		Fatty Change	Diffuse, Minimal
	Hepatocyte	Hypertrophy	Minimal
		Inflammation	Minimal
		Mixed Cell Focus	Multiple
	Hepatocyte	Multinucleated	Minimal
		Pigmentation	Mild
		Toxic Hepatopathy	Mild

[Eosinophilic Focus TGLS = 4-6]
[Mixed Cell Focus TGLS = 2,3-7+12]

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 535	**TRT#:** 7	**SEX:** Female	**DAY ON TEST:** 731
	DOSE: 100 NG/ KG/STOP	**DISP:** Terminal Sacrifice	**HISTO:** 2002545

ORGAN AND ACCOUNTABLE SITE STATUS

* Lung		Infiltration Cellular	Histiocyte, Mild
	Alveolar Epith	Metaplasia	Bronchiolar, Minimal
Note: Left lung frozen for NTP.			
[Infiltration Cellular TGLS = 5-4]			
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Moderate
* Mammary Gland		Cyst	Mild
		Fibroadenoma	
[Cyst TGLS = 1-11]			
* Ovary		Atrophy	Marked
Note: One ovary missing.			
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Mild
* Thymus		Atrophy	Marked
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
		Metaplasia	Squamous, Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 536	**TRT#:** 7	**SEX:** Female	**DAY ON TEST:** 643
	DOSE: 100 NG/ KG/STOP	**DISP:** Natural Death	**HISTO:** 2002546

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Moderate
		Hypertrophy	Moderate
		Necrosis	Moderate
* Bone Marrow		Hyperplasia	Moderate
* Heart		Cardiomyopathy	Mild
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver	Bile Duct	Cyst	Mild
		Inflammation	Minimal
	Hepatocyte	Multinucleated	Minimal
		Pigmentation	Mild
* Lung		Infiltration Cellular	Histiocyte, Minimal
	Alveolar Epith	Metaplasia	Bronchiolar, Minimal
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Mild
[Hyperplasia TGLS = 1-9]			
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Minimal
[Fibroadenoma TGLS = 2-11]			
Oral Mucosa	Gingival	Hyperplasia	Squamous, Mild
Note: The squamous hyperplasia was associated with a foreign material (hair) and inflammation.			
* Ovary		Atrophy	Marked
		Cyst	Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 536	**TRT#:** 7	**SEX:** Female	**DAY ON TEST:** 643
	DOSE: 100 NG/ KG/STOP	**DISP:** Natural Death	**HISTO:** 2002546

ORGAN AND ACCOUNTABLE SITE STATUS

Note: Small piece of left ovary present. What was considered an enlarged ovary at necropsy was a focal area of inflammation apparently involving the oviduct and fat.
[Cyst TGLS = 4-10]

Oviduct		Inflammation	Moderate
[Inflammation TGLS = 3-10]			
* Spleen		Pigmentation	Mild
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Adenoma	
	C Cell	Hyperplasia	Mild
Tooth	Peridont Tiss	Inflammation	Mild
* Uterus		Metaplasia	Squamous, Marked

Note: The uterine horns were lined by squamous epithelium, contained keratin and there was inflammation of the wall.
[Metaplasia TGLS = 5-10]

PRIMARY CAUSE OF DEATH	- Oviduct Inflammation
CONTRIBUTORY CAUSE OF DEATH	- Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 537	**TRT#:** 7	**SEX:** Female	**DAY ON TEST:** 410
	DOSE: 100 NG/ KG/STOP	**DISP:** Moribund Sacrifice	**HISTO:** 2002547

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Esophagus	Eye	Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mesenteric	* Nose	* Ovary	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Clitoral Gland

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Mild
* Bone Marrow		Hyperplasia	Moderate
Eye			
Note: One optic nerve missing.			
* Kidney		Mineralization	Minimal
* Liver		Eosinophilic Focus	Multiple
		Inflammation	Minimal
		Pigmentation	Mild
[Eosinophilic Focus TGLS = 2-12]			
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Minimal
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Minimal
[Fibroadenoma TGLS = 1-11]			
* Pancreas		Basophilic Focus	Minimal
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Minimal
* Thymus		Atrophy	Mild
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH - Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 538	**TRT#:** 7	**SEX:** Female	**DAY ON TEST:** 731
	DOSE: 100 NG/ KG/STOP	**DISP:** Terminal Sacrifice	**HISTO:** 2002548

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
		Hypertrophy	Mild
* Clitoral Gland		Inflammation	Mild
Eye			
Note: One optic nerve missing.			
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	Multiple
		Cytoplasmic Alteration	Minimal
		Fatty Change	Focal, Minimal
	Bile Duct	Fibrosis	Minimal
	Hepatocyte	Hypertrophy	Mild
		Inflammation	Minimal
		Mixed Cell Focus	Multiple
	Hepatocyte	Multinucleated	Minimal
		Pigmentation	Mild
		Toxic Hepatopathy	Minimal
[Mixed Cell Focus TGLS = 4-6+7+13]			
* Lung		Infiltration Cellular	Histiocyte, Mild
Note: Left lung frozen for NTP.			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 538	**TRT#:** 7	**SEX:** Female	**DAY ON TEST:** 731
	DOSE: 100 NG/ KG/STOP	**DISP:** Terminal Sacrifice	**HISTO:** 2002548

ORGAN AND ACCOUNTABLE SITE STATUS

[Infiltration Cellular TGLS = 2-4]			
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Mild
* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 1,3-11+12]			
* Ovary		Atrophy	Marked
* Pancreas	Acinus	Atrophy	Mild
		Inflammation	Chronic Active, Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Mild
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Adenoma	
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 539	**TRT#:** 7	**SEX:** Female	**DAY ON TEST:** 732
	DOSE: 100 NG/ KG/STOP	**DISP:** Terminal Sacrifice	**HISTO:** 2002549

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
		Degeneration	Cystic, Mild
		Hyperplasia	Mild
		Hypertrophy	Mild
Harderian Gland		Inflammation	Minimal
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver	Bile Duct	Fibrosis	Mild
	Hepatocyte	Hypertrophy	Minimal
		Inflammation	Minimal
		Mixed Cell Focus	Multiple
	Hepatocyte	Multinucleated	Mild
		Pigmentation	Mild
		Toxic Hepatopathy	Minimal
[Mixed Cell Focus TGLS = 3-11]			
* Lung		Infiltration Cellular	Histiocyte, Moderate
	Alveolar Epith	Metaplasia	Bronchiolar, Minimal
[Infiltration Cellular TGLS = 4-3+4]			
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
* Ovary		Atrophy	Marked
		Cyst	Mild
[Cyst TGLS = 1-10]			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 539	**TRT#:** 7	**SEX:** Female	**DAY ON TEST:** 732
	DOSE: 100 NG/ KG/STOP	**DISP:** Terminal Sacrifice	**HISTO:** 2002549

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Mild
* Thymus		Atrophy	Moderate
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal
		Inflammation	Suppurative, Moderate
		Metaplasia	Squamous, Moderate
[Inflammation TGLS = 2-10]			
[Metaplasia TGLS = 2-10]			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 540	**TRT#:** 7	**SEX:** Female	**DAY ON TEST:** 629
	DOSE: 100 NG/ KG/STOP	**DISP:** Natural Death	**HISTO:** 2002550

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Esophagus	Eye	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mesenteric	* Nose	* Pancreas
* Pituitary Gland	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mandibular	* Parathyroid Gland	* Salivary Glands	* Thyroid Gland

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Mild
* Bone Marrow		Hyperplasia	Moderate
* Clitoral Gland	Duct	Cyst	Moderate
Harderian Gland		Inflammation	Minimal
Note: One optic nerve missing.			
* Heart		Cardiomyopathy	Moderate
* Kidney	Transit Epithe	Hyperplasia	Mild
		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Fatty Change	Diffuse, Mild
	Portal	Fibrosis	Mild
		Inflammation	Mild
	Hepatocyte	Multinucleated	Mild
		Pigmentation	Mild
		Toxic Hepatopathy	Mild
* Lung		Infiltration Cellular	Histiocyte, Minimal
Note: Left lung cannibalized.			
* Mammary Gland		Hyperplasia	Mild
* Ovary		Atrophy	Marked
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 540	**TRT#:** 7	**SEX:** Female	**DAY ON TEST:** 629
	DOSE: 100 NG/ KG/STOP	**DISP:** Natural Death	**HISTO:** 2002550

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus	Atrophy	Moderate
* Uterus	Inflammation	Suppurative, Marked
	Metaplasia	Squamous, Mild
[Inflammation TGLS = 1,2-10+11]		

PRIMARY CAUSE OF DEATH - Uterus Inflammation

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 541	**TRT#:** 7	**SEX:** Female	**DAY ON TEST:** 726
	DOSE: 100 NG/ KG/STOP	**DISP:** Moribund Sacrifice	**HISTO:** 2002551

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
		Degeneration	Cystic, Mild
		Hypertrophy	Moderate
[Angiectasis TGLS = 3-8]			
[Hypertrophy TGLS = 3-8]			
* Bone Marrow		Hyperplasia	Moderate
* Clitoral Gland	Duct	Cyst	Minimal
		Inflammation	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Minimal
		Nephropathy	Mild
* Liver		Basophilic Focus	
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Minimal
		Mixed Cell Focus	Multiple
	Hepatocyte	Multinucleated	Minimal
		Necrosis	Minimal
		Pigmentation	Minimal
[Basophilic Focus TGLS = 4-6+7]			
[Eosinophilic Focus TGLS = 4-6+7]			
[Mixed Cell Focus TGLS = 4-6+7]			
* Lung		Infiltration Cellular	Histiocyte, Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 541	**TRT#:** 7	**SEX:** Female	**DAY ON TEST:** 726
	DOSE: 100 NG/ KG/STOP	**DISP:** Moribund Sacrifice	**HISTO:** 2002551

ORGAN AND ACCOUNTABLE SITE STATUS

	Alveolar Epith	Metaplasia	Bronchiolar, Minimal
[Infiltration Cellular TGLS = 5-3+4]			
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Mild
* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 1,2,6-11+12+13]			
* Ovary		Atrophy	Moderate
		Cyst	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Minimal
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Minimal
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Adenoma	
		Angiectasis	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal
PRIMARY CAUSE OF DEATH	- Mammary Gland Fibroadenoma		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 542	**TRT#:** 7	**SEX:** Female	**DAY ON TEST:** 474
	DOSE: 100 NG/ KG/STOP	**DISP:** Moribund Sacrifice	**HISTO:** 2002552

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Esophagus	Eye	Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mesenteric
* Nose	* Pancreas	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Glandular	* Trachea	* Urinary Bladder

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Minimal
		Hypertrophy	Mild
* Bone Marrow		Hyperplasia	Marked
* Clitoral Gland		Inflammation	Minimal
* Heart	Epicardium	Inflammation	Chronic Active, Mild
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Eosinophilic Focus	
	Hepatocyte	Hypertrophy	Minimal
		Inflammation	Minimal
		Mixed Cell Focus	Multiple
	Hepatocyte	Multinucleated	Minimal
		Pigmentation	Minimal
Lymph Node	Lumbar	Hyperplasia	Plasma Cell, Mild
[Hyperplasia TGLS = 2-12]			
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Mild
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-11]			
* Ovary		Atrophy	Marked
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Stomach, Forestomach		Hyperplasia	Squamous, Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 542	**TRT#:** 7	**SEX:** Female	**DAY ON TEST:** 474
	DOSE: 100 NG/ KG/STOP	**DISP:** Moribund Sacrifice	**HISTO:** 2002552

ORGAN AND ACCOUNTABLE SITE STATUS

		Inflammation	Mild
		Ulcer	Moderate
* Thymus		Atrophy	Mild
* Thyroid Gland	Follicular Cel	Hypertrophy	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Marked
		Metaplasia	Squamous, Mild

PRIMARY CAUSE OF DEATH - Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 543	**TRT#:** 7	**SEX:** Female	**DAY ON TEST:** 645
	DOSE: 100 NG/ KG/STOP	**DISP:** Moribund Sacrifice	**HISTO:** 2002553

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Brain	* Esophagus
Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mesenteric	* Nose	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea		

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Mild
* Adrenal Medulla		Hyperplasia	Mild
* Bone Marrow		Hyperplasia	Marked
* Clitoral Gland	Duct	Cyst	Minimal
		Inflammation	Mild
Eye	Retina	Atrophy	Mild
Note: One optic nerve missing.			
* Intestine Large, Rectum		Parasite Metazoan	
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Eosinophilic Focus	Multiple
		Fatty Change	Focal, Mild
		Inflammation	Minimal
		Mixed Cell Focus	Multiple
	Hepatocyte	Multinucleated	Minimal
		Pigmentation	Minimal
[Basophilic Focus TGLS = 4-13]			
* Lung		Infiltration Cellular	Histiocyte, Mild
[Infiltration Cellular TGLS = 3-3+4]			
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Mild
* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 1,2-11+12]			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 543	**TRT#:** 7	**SEX:** Female	**DAY ON TEST:** 645
	DOSE: 100 NG/ KG/STOP	**DISP:** Moribund Sacrifice	**HISTO:** 2002553

ORGAN AND ACCOUNTABLE SITE STATUS

* Ovary		Atrophy	Marked
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Minimal
* Thymus		Atrophy	Marked
* Urinary Bladder		Inflammation	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
		Inflammation	Suppurative, Mild
		Metaplasia	Squamous, Mild

PRIMARY CAUSE OF DEATH - Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 544	**TRT#:** 7	**SEX:** Female	**DAY ON TEST:** 732
	DOSE: 100 NG/ KG/STOP	**DISP:** Terminal Sacrifice	**HISTO:** 2002554

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Mild
* Adrenal Medulla		Hyperplasia	Mild
* Clitoral Gland	Duct	Cyst	Mild
		Inflammation	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Mild
		Nephropathy	Mild
* Liver	Bile Duct	Cyst	Mild
		Eosinophilic Focus	Multiple
		Inflammation	Minimal
		Mixed Cell Focus	Multiple
	Hepatocyte	Multinucleated	Minimal
		Pigmentation	Mild
		Vacuolization Cytoplasmic	Minimal
[Mixed Cell Focus TGLS = 2-6+7+11]			
* Lung		Infiltration Cellular	Histiocyte, Mild
	Alveolar Epith	Metaplasia	Bronchiolar, Mild
[Infiltration Cellular TGLS = 1-3+4]			
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Moderate
* Mammary Gland		Hyperplasia	Minimal
Oral Mucosa			
Note: One ovary missing.			
* Ovary		Atrophy	Marked

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 544	**TRT#:** 7	**SEX:** Female	**DAY ON TEST:** 732
	DOSE: 100 NG/ KG/STOP	**DISP:** Terminal Sacrifice	**HISTO:** 2002554

ORGAN AND ACCOUNTABLE SITE STATUS

		Cyst	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Hyperplasia	Mild
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Mild
* Thymus		Atrophy	Mild
* Thyroid Gland	C Cell	Adenoma	
	C Cell	Hyperplasia	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
		Metaplasia	Squamous, Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 545	**TRT#:** 7	**SEX:** Female	**DAY ON TEST:** 732
	DOSE: 100 NG/ KG/STOP	**DISP:** Terminal Sacrifice	**HISTO:** 2002555

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
		Hypertrophy	Moderate
		Vacuolization Cytoplasmic	Minimal
* Adrenal Medulla		Hyperplasia	Mild
* Bone Marrow		Hyperplasia	Mild
* Clitoral Gland		Hyperplasia	Basal Cell, Minimal
		Inflammation	Mild
Harderian Gland		Inflammation	Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Accumulation, Hyaline Droplet	Minimal
		Nephropathy	Mild
* Liver	Bile Duct	Cyst	Mild
		Eosinophilic Focus	Multiple
		Fatty Change	Focal, Minimal
	Bile Duct	Fibrosis	Minimal
		Inflammation	Minimal
		Mixed Cell Focus	Multiple
	Hepatocyte	Multinucleated	Minimal
		Pigmentation	Mild
		Toxic Hepatopathy	Minimal
[Cyst TGLS = 5-12]			
[Eosinophilic Focus TGLS = 4,6,8-6+7+12+13]			
* Lung		Infiltration Cellular	Histiocyte, Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 545	**TRT#:** 7	**SEX:** Female	**DAY ON TEST:** 732
	DOSE: 100 NG/ KG/STOP	**DISP:** Terminal Sacrifice	**HISTO:** 2002555

ORGAN AND ACCOUNTABLE SITE STATUS

	Alveolar Epith	Metaplasia	Bronchiolar, Minimal
* Lymph Node, Mandibular		Ectasia	Moderate
[Ectasia TGLS = 7-11]			
* Mammary Gland		Cyst	Mild
		Fibroadenoma	
[Fibroadenoma TGLS = 1-11]			
* Nose	Respirat Epith	Cyst	Mild
Note: A cyst-like structure containing a basophilic material was present in the respiratory epithelium of nasal septum.			
* Ovary		Atrophy	Marked
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Mild
* Thymus		Atrophy	Mild
* Uterus		Carcinoma	
	Endometrium	Hyperplasia	Cystic, Mild
		Inflammation	Suppurative, Minimal
		Metaplasia	Squamous, Mild
		Polyp Stromal	Multiple
[Carcinoma TGLS = 2-11]			
[Polyp Stromal TGLS = 3-12]			
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 546	**TRT#:** 7	**SEX:** Female	**DAY ON TEST:** 215
	DOSE: 100 NG/ KG/STOP	**DISP:** Natural Death	**HISTO:** 2002556

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Esophagus	Eye	Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Ovary	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Minimal
* Bone Marrow		Hyperplasia	Marked
* Clitoral Gland	Duct	Cyst	Minimal
		Inflammation	Minimal
Eye			
Note: Both optic nerves missing.			
* Kidney		Nephropathy	Mild
* Liver		Eosinophilic Focus	Multiple
	Bile Duct	Hyperplasia	Minimal
	Hepatocyte	Hypertrophy	Moderate
		Inflammation	Minimal
	Hepatocyte	Multinucleated	Moderate
		Necrosis	Minimal
		Pigmentation	Moderate
		Toxic Hepatopathy	Mild
Mesentery	Artery	Inflammation	Chronic Active, Moderate
Note: Vessels with inflammation and necrosis were present in multiple organs.			
[Inflammation TGLS = 1-11]			
* Pancreas	Artery	Inflammation	Chronic Active, Moderate
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 546	**TRT#:** 7	**SEX:** Female	**DAY ON TEST:** 215
	DOSE: 100 NG/ KG/STOP	**DISP:** Natural Death	**HISTO:** 2002556

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH	- Mesentery Artery Inflammation

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 547	**TRT#:** 7	**SEX:** Female	**DAY ON TEST:** 394
	DOSE: 100 NG/ KG/STOP	**DISP:** Moribund Sacrifice	**HISTO:** 2002557

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Esophagus
Eye	Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Minimal
Blood Vessel	Aorta	Fibrous Histiocytoma	Metastatic (Skin)
* Bone Marrow		Fibrous Histiocytoma	Metastatic (Skin)
		Hyperplasia	Moderate
* Clitoral Gland	Duct	Cyst	Mild
		Inflammation	Minimal
Eye			
Note: One optic nerve missing.			
* Intestine Large, Rectum		Fibrous Histiocytoma	Metastatic (Skin)
* Kidney		Accumulation, Hyaline Droplet	Marked
		Fibrous Histiocytoma	Metastatic (Skin)
		Mineralization	Minimal
* Liver		Fibrous Histiocytoma	Metastatic (Skin)
	Hepatocyte	Hypertrophy	Moderate
[Fibrous Histiocytoma TGLS = 2,3-12]			
* Lung		Fibrous Histiocytoma	Metastatic (Skin)
[Fibrous Histiocytoma TGLS = 5-3+4]			
* Lymph Node, Mesenteric		Fibrous Histiocytoma	Metastatic (Skin)
* Ovary		Atrophy	Marked
Skeletal Muscle		Fibrous Histiocytoma	Metastatic (Skin)
Note: Muscle around the femur was affected.			
* Skin		Fibrous Histiocytoma	

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 547	**TRT#:** 7	**SEX:** Female	**DAY ON TEST:** 394
	DOSE: 100 NG/ KG/STOP	**DISP:** Moribund Sacrifice	**HISTO:** 2002557

ORGAN AND ACCOUNTABLE SITE STATUS

	Ulcer	Moderate
[Fibrous Histiocytoma TGLS = 1-11]		
[Ulcer TGLS = 1-11]		
* Spleen	Fibrous Histiocytoma	Metastatic (Skin)
	Hematopoietic Cell Proliferation	Moderate
[Fibrous Histiocytoma TGLS = 4-5]		
* Thymus	Fibrous Histiocytoma	Metastatic (Skin)
* Uterus	Metaplasia	Squamous, Minimal

PRIMARY CAUSE OF DEATH - Skin Fibrous Histiocytoma

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 548	**TRT#:** 7	**SEX:** Female	**DAY ON TEST:** 733
	DOSE: 100 NG/ KG/STOP	**DISP:** Terminal Sacrifice	**HISTO:** 2002558

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Moderate
* Clitoral Gland		Inflammation	Mild
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Eosinophilic Focus	Multiple
		Inflammation	Minimal
		Mixed Cell Focus	Multiple
	Hepatocyte	Multinucleated	Mild
		Pigmentation	Mild
[Eosinophilic Focus TGLS = 6-13,8-14]			
* Lung		Infiltration Cellular	Histiocyte, Moderate
	Alveolar Epith	Metaplasia	Bronchiolar, Mild
[Infiltration Cellular TGLS = 7-3+4]			
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Moderate
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Minimal
[Fibroadenoma TGLS = 1-11]			
* Ovary		Atrophy	Marked
		Cyst	Moderate
[Cyst TGLS = 3-10]			
* Pituitary Gland		Angiectasis	Mild
	Pars Distalis	Hyperplasia	Moderate

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 548	**TRT#:** 7	**SEX:** Female	**DAY ON TEST:** 733
	DOSE: 100 NG/ KG/STOP	**DISP:** Terminal Sacrifice	**HISTO:** 2002558

ORGAN AND ACCOUNTABLE SITE STATUS

[Hyperplasia TGLS = 2-8]			
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Mild
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Adenoma	
Ureter			
Note: There was squamous metaplasia of one horn of the uterus with a dilatation of the lumen with a keratin-like material and inflammatory cells.			
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
		Inflammation	Suppurative, Moderate
		Metaplasia	Squamous, Moderate
[Metaplasia TGLS = 4-10]			
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 549	**TRT#:** 7	**SEX:** Female	**DAY ON TEST:** 732
	DOSE: 100 NG/ KG/STOP	**DISP:** Terminal Sacrifice	**HISTO:** 2002559

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Clitoral Gland	* Esophagus	Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric	* Nose
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
		Hypertrophy	Mild
* Bone Marrow		Hyperplasia	Marked
Eye	Retina	Atrophy	Minimal
Note: One optic nerve missing.			
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Mild
		Nephropathy	Minimal
* Liver		Basophilic Focus	Multiple
	Bile Duct	Cyst	Moderate
		Hematopoietic Cell Proliferation	Mild
	Bile Duct	Hyperplasia	Minimal
	Oval Cell	Hyperplasia	Minimal
		Inflammation	Mild
	Hepatocyte	Multinucleated	Minimal
		Necrosis	Mild
		Pigmentation	Mild
		Toxic Hepatopathy	Minimal
[Cyst TGLS = 4,5-6+7+12]			
[Hematopoietic Cell Proliferation TGLS = 8-13]			
* Lung		Infiltration Cellular	Histiocyte, Moderate
	Alveolar Epith	Metaplasia	Bronchiolar, Mild
[Infiltration Cellular TGLS = 6-3+4]			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 549	**TRT#:** 7	**SEX:** Female	**DAY ON TEST:** 732
	DOSE: 100 NG/ KG/STOP	**DISP:** Terminal Sacrifice	**HISTO:** 2002559

ORGAN AND ACCOUNTABLE SITE STATUS

* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Moderate
* Mammary Gland		Fibroadenoma	
Note: Much of the tumor was necrotic and infiltrated with inflammatory cells.			
[Fibroadenoma TGLS = 1-11]			
* Ovary		Atrophy	Marked
Oviduct		Inflammation	Moderate
Note: The lumen of the oviduct was dilated, the epithelium was hypertrophic and there was suppurative inflammation.			
[Inflammation TGLS = 7-10]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Skin		Liposarcoma	
[Liposarcoma TGLS = 2-14]			
* Spleen		Hematopoietic Cell Proliferation	Moderate
		Pigmentation	Minimal
[Hematopoietic Cell Proliferation TGLS = 3-5]			
* Thymus		Atrophy	Moderate
* Thyroid Gland	Follicular Cel	Hypertrophy	Minimal
* Uterus		Metaplasia	Squamous, Moderate
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 550	**TRT#:** 7	**SEX:** Female	**DAY ON TEST:** 614
	DOSE: 100 NG/ KG/STOP	**DISP:** Moribund Sacrifice	**HISTO:** 2002560

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Minimal
		Vacuolization Cytoplasmic	Minimal
* Adrenal Medulla		Hyperplasia	Mild
* Bone Marrow		Hyperplasia	Moderate
* Clitoral Gland	Duct	Cyst	Mild
* Heart		Cardiomyopathy	Minimal
* Intestine Large, Colon		Parasite Metazoan	Minimal
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Eosinophilic Focus	
		Inflammation	Minimal
	Hepatocyte	Multinucleated	Minimal
		Pigmentation	Mild
* Lung		Infiltration Cellular	Histiocyte, Mild
	Alveolar Epith	Metaplasia	Bronchiolar, Minimal
* Ovary		Atrophy	Marked
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Moderate
[Adenoma TGLS = 3-11]			
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Thymus		Atrophy	Marked
* Uterus	Endometrium	Hyperplasia	Cystic, Marked

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 550	**TRT#:** 7	**SEX:** Female	**DAY ON TEST:** 614
	DOSE: 100 NG/ KG/STOP	**DISP:** Moribund Sacrifice	**HISTO:** 2002560

ORGAN AND ACCOUNTABLE SITE STATUS

	Inflammation	Suppurative, Mild
	Metaplasia	Squamous, Mild
[Hyperplasia TGLS = 1-10]		

PRIMARY CAUSE OF DEATH - UNCERTAIN

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 551	**TRT#:** 7	**SEX:** Female	**DAY ON TEST:** 733
	DOSE: 100 NG/ KG/STOP	**DISP:** Terminal Sacrifice	**HISTO:** 2002561

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
		Hypertrophy	Minimal
		Vacuolization Cytoplasmic	Minimal
* Adrenal Medulla		Hyperplasia	Minimal
* Clitoral Gland	Duct	Cyst	Mild
		Inflammation	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Clear Cell Focus	
		Eosinophilic Focus	Multiple
		Inflammation	Minimal
		Mixed Cell Focus	Multiple
		Pigmentation	Mild
* Lung		Infiltration Cellular	Histiocyte, Mild
	Alveolar Epith	Metaplasia	Bronchiolar, Minimal
[Infiltration Cellular TGLS = 1-3+4]			
* Lymph Node, Mandibular		Ectasia	Minimal
* Mammary Gland		Hyperplasia	Minimal
* Ovary		Atrophy	Marked
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Minimal
* Thymus		Atrophy	Moderate

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 551	**TRT#:** 7	**SEX:** Female	**DAY ON TEST:** 733
	DOSE: 100 NG/ KG/STOP	**DISP:** Terminal Sacrifice	**HISTO:** 2002561

ORGAN AND ACCOUNTABLE SITE STATUS

* Uterus	Endometrium	Hyperplasia	Cystic, Mild
		Metaplasia	Squamous, Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 552	**TRT#:** 7	**SEX:** Female	**DAY ON TEST:** 718
	DOSE: 100 NG/ KG/STOP	**DISP:** Moribund Sacrifice	**HISTO:** 2002562

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Brain	* Esophagus
Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mesenteric	* Nose	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Trachea			

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
		Hyperplasia	Moderate
		Hypertrophy	Mild
		Vacuolization Cytoplasmic	Moderate
* Adrenal Medulla		Hyperplasia	Mild
* Bone Marrow		Hyperplasia	Moderate
* Clitoral Gland	Duct	Cyst	Moderate
		Inflammation	Minimal
Eye	Retina	Atrophy	Mild
Note: One optic nerve missing.			
* Heart		Cardiomyopathy	Mild
* Kidney	Transit Epithe	Hyperplasia	Minimal
		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Basophilic Focus	Multiple
	Bile Duct	Cyst	Mild
		Eosinophilic Focus	Multiple
	Bile Duct	Hyperplasia	Minimal
	Hepatocyte	Hypertrophy	Mild
		Inflammation	Minimal
		Mixed Cell Focus	Multiple
		Pigmentation	Minimal
		Toxic Hepatopathy	Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 552	**TRT#:** 7	**SEX:** Female	**DAY ON TEST:** 718
	DOSE: 100 NG/ KG/STOP	**DISP:** Moribund Sacrifice	**HISTO:** 2002562

ORGAN AND ACCOUNTABLE SITE STATUS

[Cyst TGLS = 4-7]			
[Hypertrophy TGLS = 3-6+7+12]			
[Mixed Cell Focus TGLS = 7-6+7+12]			
* Lung		Infiltration Cellular	Histiocyte, Mild
	Alveolar Epith	Metaplasia	Bronchiolar, Minimal
[Infiltration Cellular TGLS = 5-3+4]			
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Mild
* Mammary Gland		Fibroadenoma	Multiple
		Hyperplasia	Minimal
[Fibroadenoma TGLS = 1,2-11+13]			
Oral Mucosa	Gingival	Hyperplasia	Squamous, Minimal
* Ovary		Atrophy	Marked
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Mild
[Adenoma TGLS = 6-8]			
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Mild
* Thymus		Atrophy	Mild
* Thyroid Gland	C Cell	Adenoma	
	C Cell	Hyperplasia	Mild
* Urinary Bladder		Inflammation	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal

PRIMARY CAUSE OF DEATH	- Mammary Gland Fibroadenoma
CONTRIBUTORY CAUSE OF DEATH	- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 553	**TRT#:** 7	**SEX:** Female	**DAY ON TEST:** 731
	DOSE: 100 NG/ KG/STOP	**DISP:** Terminal Sacrifice	**HISTO:** 2002563

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Bone Marrow	* Brain
* Esophagus	Eye	Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mesenteric
* Nose	* Pancreas	* Parathyroid Gland	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
		Degeneration	Cystic, Minimal
		Hyperplasia	Moderate
		Hypertrophy	Mild
* Adrenal Medulla		Hyperplasia	Moderate
* Clitoral Gland	Duct	Cyst	Mild
		Inflammation	Mild
Eye			
Note: Both optic nerves missing.			
* Heart		Cardiomyopathy	Mild
* Kidney	Papilla, Transit Epithe	Hyperplasia	Minimal
		Mineralization	Minimal
		Nephropathy	Mild
* Liver		Angiectasis	Minimal
		Clear Cell Focus	
		Eosinophilic Focus	Multiple
	Hepatocyte	Hypertrophy	Minimal
		Inflammation	Minimal
		Mixed Cell Focus	Multiple
	Hepatocyte	Multinucleated	Mild
		Pigmentation	Mild

[Eosinophilic Focus TGLS = 2-13]
[Mixed Cell Focus TGLS = 3-12]

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 553	**TRT#:** 7	**SEX:** Female	**DAY ON TEST:** 731
	DOSE: 100 NG/ KG/STOP	**DISP:** Terminal Sacrifice	**HISTO:** 2002563

ORGAN AND ACCOUNTABLE SITE STATUS

* Lung			
Note: Left lung frozen for NTP.			
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Mild
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-11]			
* Ovary		Atrophy	Marked
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
* Salivary Glands		Atrophy	Mild
		Inflammation	Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Mild
* Thymus		Atrophy	Marked
		Thymoma Malignant	
* Thyroid Gland	C Cell	Hyperplasia	Mild
Tooth	Peridont Tiss	Inflammation	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
		Metaplasia	Squamous, Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 554	**TRT#:** 7	**SEX:** Female	**DAY ON TEST:** 731
	DOSE: 100 NG/ KG/STOP	**DISP:** Terminal Sacrifice	**HISTO:** 2002564

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
		Atrophy	Mild
		Degeneration	Cystic, Moderate
		Hyperplasia	Moderate
		Hypertrophy	Moderate
Note: One adrenal was mildly atrophic.			
* Clitoral Gland		Inflammation	Minimal
Eye			
Note: One optic nerve missing.			
Harderian Gland		Inflammation	Minimal
* Kidney		Mineralization	Minimal
		Nephropathy	Mild
* Liver		Angiectasis	Minimal
		Eosinophilic Focus	Multiple
		Inflammation	Minimal
		Mixed Cell Focus	Multiple
	Hepatocyte	Multinucleated	Mild
		Pigmentation	Mild
* Lung		Infiltration Cellular	Histiocyte, Mild
	Alveolar Epith	Metaplasia	Bronchiolar, Minimal
Note: Left lung frozen for NTP.			
[Infiltration Cellular TGLS = 1-4]			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 554	**TRT#:** 7	**SEX:** Female	**DAY ON TEST:** 731
	DOSE: 100 NG/ KG/STOP	**DISP:** Terminal Sacrifice	**HISTO:** 2002564

ORGAN AND ACCOUNTABLE SITE STATUS

* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Moderate
		Hyperplasia	Lymphoid, Moderate
[Hyperplasia TGLS = 3-11]			
* Ovary		Atrophy	Marked
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-12]			
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Mild
* Thymus		Atrophy	Marked
* Uterus		Metaplasia	Squamous, Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 555	**TRT#:** 7	**SEX:** Female	**DAY ON TEST:** 537
	DOSE: 100 NG/ KG/STOP	**DISP:** Natural Death	**HISTO:** 2002565

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Esophagus	Eye	Harderian Gland
* Intestine Large, Rectum	* Intestine Small, Jejunum	* Kidney	* Nose
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder

MISSING

* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Islets, Pancreatic	* Lymph Node, Mesenteric	* Ovary	* Pancreas
* Spleen			

OBSERVATIONS

* Bone Marrow		Hyperplasia	Moderate
* Clitoral Gland	Duct	Cyst	Minimal
		Inflammation	Mild
Eye			
Note: Both optic nerves missing.			
* Heart		Carcinoma	Metastatic (Mammary Gland)
* Liver		Inflammation	Minimal
		Pigmentation	Minimal
Note: Median lobe cannibalized.			
* Lung		Carcinoma	Metastatic (Mammary Gland)
[Carcinoma TGLS = 2,3,4-3+4+12+13]			
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Minimal
* Mammary Gland		Carcinoma	
[Carcinoma TGLS = 1-11]			
Oral Mucosa	Gingival	Squamous Cell Carcinoma	
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Mild
* Uterus		Metaplasia	Squamous, Minimal

PRIMARY CAUSE OF DEATH - Mammary Gland Carcinoma

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 556	**TRT#:** 7	**SEX:** Female	**DAY ON TEST:** 731
	DOSE: 100 NG/ KG/STOP	**DISP:** Terminal Sacrifice	**HISTO:** 2002566

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Moderate
		Degeneration	Cystic, Moderate
		Hyperplasia	Mild
		Hypertrophy	Moderate
* Adrenal Medulla		Hyperplasia	Moderate
* Bone Marrow		Hyperplasia	Mild
* Clitoral Gland	Duct	Cyst	Mild
		Inflammation	Mild
Eye	Bilateral	Cataract	Moderate
	Retina	Degeneration	Moderate
		Retinal Detachment	Moderate
[Cataract TGLS = 3-00]			
Harderian Gland		Hemorrhage	Mild
* Kidney		Mineralization	Minimal
		Nephropathy	Mild
* Liver		Basophilic Focus	
		Eosinophilic Focus	Multiple
	Hepatocyte	Hypertrophy	Minimal
		Inflammation	Minimal
		Mixed Cell Focus	Multiple
		Pigmentation	Minimal
		Toxic Hepatopathy	Minimal
* Lung		Infiltration Cellular	Histiocyte, Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 556	**TRT#:** 7	**SEX:** Female	**DAY ON TEST:** 731
	DOSE: 100 NG/ KG/STOP	**DISP:** Terminal Sacrifice	**HISTO:** 2002566

ORGAN AND ACCOUNTABLE SITE STATUS

	Alveolar Epith	Metaplasia	Bronchiolar, Mild
Note: Left lung frozen for NTP.			
[Infiltration Cellular TGLS = 4-4]			
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Mild
* Mammary Gland		Fibroadenoma	Multiple
		Hyperplasia	Mild
[Fibroadenoma TGLS = 1,2-11+13]			
* Ovary		Atrophy	Marked
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Minimal
* Stomach, Forestomach		Hyperplasia	Squamous, Mild
* Thymus		Atrophy	Moderate
* Thyroid Gland	Bilateral, C Cell	Adenoma	
	Follicular Cel	Hypertrophy	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
		Metaplasia	Squamous, Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 557	**TRT#:** 7	**SEX:** Female	**DAY ON TEST:** 702
	DOSE: 100 NG/ KG/STOP	**DISP:** Natural Death	**HISTO:** 2002567

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Brain	* Esophagus
Eye	Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Pancreas
* Parathyroid Gland	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Adrenal Cortex	Capsule	Schwannoma Malignant	Metastatic (Heart)
* Adrenal Medulla		Pheochromocytoma Benign	
* Bone Marrow		Atrophy	Mild
		Myelofibrosis	Mild
* Clitoral Gland	Duct	Cyst	Minimal
		Inflammation	Minimal
* Heart		Schwannoma Malignant	
	Atrium	Thrombosis	Moderate
[Thrombosis TGLS = 10-7]			
* Intestine Small, Jejunum		Schwannoma Malignant	Metastatic (Heart)
* Kidney	Transit Epithe	Hyperplasia	Mild
		Mineralization	Minimal
* Liver		Fatty Change	Diffuse, Minimal
		Hematopoietic Cell Proliferation	Moderate
	Hepatocyte	Hypertrophy	Mild
		Schwannoma Malignant	Metastatic (Heart)
[Schwannoma Malignant TGLS = 3,4,5,6,7-6+7+12+13+14]			
* Lung		Infiltration Cellular	Histiocyte, Moderate
		Schwannoma Malignant	Metastatic (Heart)
[Infiltration Cellular TGLS = 8-3+4]			
Lymph Node	Mediastinal	Hemorrhage	Mild
[Hemorrhage TGLS = 9-3]			
* Mammary Gland		Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 557	**TRT#:** 7	**SEX:** Female	**DAY ON TEST:** 702
	DOSE: 100 NG/ KG/STOP	**DISP:** Natural Death	**HISTO:** 2002567

ORGAN AND ACCOUNTABLE SITE STATUS

Oral Mucosa	Gingival	Hyperplasia	Squamous, Mild
* Ovary		Atrophy	Marked
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Hyperplasia	Mild
* Salivary Glands		Fibrosis	Mild
* Spleen		Schwannoma Malignant	Metastatic (Heart)
[Schwannoma Malignant TGLS = 1,2-5+11]			
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH	- Heart Schwannoma Malignant
CONTRIBUTORY CAUSE OF DEATH	- Heart Atrium Thrombosis;Liver Schwannoma Malignant Heart

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 558	**TRT#:** 7	**SEX:** Female	**DAY ON TEST:** 732
	DOSE: 100 NG/ KG/STOP	**DISP:** Terminal Sacrifice	**HISTO:** 2002568

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
		Hypertrophy	Moderate
* Bone Marrow		Hyperplasia	Mild
* Clitoral Gland	Duct	Cyst	Minimal
		Inflammation	Minimal
Eye			
Note: One optic nerve missing.			
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Cholangiocarcinoma	Multiple
		Eosinophilic Focus	Multiple
		Inflammation	Minimal
		Mixed Cell Focus	Multiple
	Hepatocyte	Multinucleated	Minimal
		Pigmentation	Mild
[Cholangiocarcinoma TGLS = 2,3-12+13]			
[Eosinophilic Focus TGLS = 5-6+7]			
[Mixed Cell Focus TGLS = 5-6+7]			
* Lung		Infiltration Cellular	Histiocyte, Mild
	Alveolar Epith	Metaplasia	Bronchiolar, Mild
[Infiltration Cellular TGLS = 6-3+4]			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 558	**TRT#:** 7	**SEX:** Female	**DAY ON TEST:** 732
	DOSE: 100 NG/ KG/STOP	**DISP:** Terminal Sacrifice	**HISTO:** 2002568

ORGAN AND ACCOUNTABLE SITE STATUS

* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Mild
* Mammary Gland		Cyst	Mild
		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 1-11]			
* Ovary		Atrophy	Marked
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 7-8]			
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Mild
* Thymus		Atrophy	Marked
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal
		Metaplasia	Squamous, Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 559	**TRT#:** 7	**SEX:** Female	**DAY ON TEST:** 729
	DOSE: 100 NG/ KG/STOP	**DISP:** Natural Death	**HISTO:** 2002569

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Moderate
		Hypertrophy	Mild
* Bone Marrow		Hyperplasia	Moderate
* Clitoral Gland		Inflammation	Minimal
Eye	Retina	Atrophy	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Minimal
		Nephropathy	Mild
* Liver		Basophilic Focus	Multiple
		Cholangiocarcinoma	
		Eosinophilic Focus	Multiple
	Bile Duct	Hyperplasia	Mild
		Inflammation	Minimal
	Hepatocyte	Multinucleated	Minimal
		Necrosis	Minimal
		Pigmentation	Mild
[Cholangiocarcinoma TGLS = 3-11]			
* Lung		Infiltration Cellular	Histiocyte, Mild
	Alveolar Epith	Metaplasia	Bronchiolar, Minimal
[Infiltration Cellular TGLS = 6-3+4]			
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Mild
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 559	**TRT#:** 7	**SEX:** Female	**DAY ON TEST:** 729
	DOSE: 100 NG/ KG/STOP	**DISP:** Natural Death	**HISTO:** 2002569

ORGAN AND ACCOUNTABLE SITE STATUS

[Fibroadenoma TGLS = 1-12]			
* Ovary		Atrophy	Marked
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Moderate
[Adenoma TGLS = 4-8]			
* Spleen		Hemangiosarcoma	
		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Mild
[Hemangiosarcoma TGLS = 2-13]			
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate
		Metaplasia	Squamous, Moderate
		Polyp Stromal	
[Hyperplasia TGLS = 5-10]			

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 560	**TRT#:** 7	**SEX:** Female	**DAY ON TEST:** 724
	DOSE: 100 NG/ KG/STOP	**DISP:** Natural Death	**HISTO:** 2002570

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Brain	* Esophagus
Eye	Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Lymph Node, Mesenteric	* Nose	* Pancreas	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder			

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
		Hypertrophy	Mild
* Adrenal Medulla		Hyperplasia	Mild
* Bone Marrow		Hyperplasia	Mild
* Clitoral Gland	Duct	Cyst	Moderate
		Inflammation	Mild
Note: One clitoral gland missing.			
Eye			
Note: Both optic nerves missing.			
* Heart		Cardiomyopathy	Minimal
* Islets, Pancreatic		Hyperplasia	Mild
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Inflammation	Mild
	Hepatocyte	Multinucleated	Minimal
		Necrosis	Moderate
		Pigmentation	Mild
* Lung		Infiltration Cellular	Histiocyte, Mild
	Alveolar Epith	Metaplasia	Bronchiolar, Minimal
[Infiltration Cellular TGLS = 3-3+4]			
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 560	**TRT#:** 7	**SEX:** Female	**DAY ON TEST:** 724
	DOSE: 100 NG/ KG/STOP	**DISP:** Natural Death	**HISTO:** 2002570

ORGAN AND ACCOUNTABLE SITE STATUS

* Mammary Gland		Fibroadenoma	
		Hyperplasia	Minimal
[Fibroadenoma TGLS = 1-11]			
* Ovary		Atrophy	Marked
		Cyst	Mild
[Cyst TGLS = 2-10]			
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Hyperplasia	Mild
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Minimal
* Thymus		Atrophy	Mild
* Thyroid Gland	C Cell	Adenoma	
	Follicular Cel	Hypertrophy	Mild
* Uterus		Metaplasia	Squamous, Mild

PRIMARY CAUSE OF DEATH	- Liver Necrosis
CONTRIBUTORY CAUSE OF DEATH	- Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 561	**TRT#:** 7	**SEX:** Female	**DAY ON TEST:** 520
	DOSE: 100 NG/ KG/STOP	**DISP:** Natural Death	**HISTO:** 2002571

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Minimal
* Bone Marrow		Hyperplasia	Mild
* Brain		Hemorrhage	Moderate
		Inflammation	Suppurative, Mild
* Clitoral Gland	Duct	Cyst	Mild
		Inflammation	Minimal
Eye			
Note: Both optic nerves missing.			
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Basophilic Focus	Multiple
		Fatty Change	Diffuse, Moderate
	Hepatocyte	Multinucleated	Moderate
		Pigmentation	Mild
* Lung		Infiltration Cellular	Histiocyte, Mild
[Infiltration Cellular TGLS = 2-3+4]			
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Mild
* Nose	Olfactory Epi	Degeneration	Moderate
	Glands, Olfactory Epi	Hyperplasia	Mild
	Goblet Cell, Respirat Epith	Hyperplasia	Moderate
	Nasolacrim Dct	Inflammation	Moderate
	Olfactory Epi	Inflammation	Moderate

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 561	**TRT#:** 7	**SEX:** Female	**DAY ON TEST:** 520
	DOSE: 100 NG/ KG/STOP	**DISP:** Natural Death	**HISTO:** 2002571

ORGAN AND ACCOUNTABLE SITE STATUS

	Respirat Epith	Inflammation	Suppurative, Marked
Note: The nasal cavity was filled with a suppurative exudate.			
Oral Mucosa	Gingival	Hyperplasia	Squamous, Mild
	Gingival	Squamous Cell Carcinoma	
Note: The mucosa over the hard palate was hyperplastic and hyperkeratotic.			
[Squamous Cell Carcinoma TGLS = 3-11]			
* Ovary		Atrophy	Marked
* Spleen	Lymph Follic	Atrophy	Mild
	Red Pulp	Atrophy	Mild
		Pigmentation	Mild
[Atrophy TGLS = 1-5]			
* Stomach, Forestomach		Hyperkeratosis	Mild
		Hyperplasia	Squamous, Mild
		Inflammation	Moderate
		Ulcer	Moderate
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Mild
Tooth	Peridont Tiss	Inflammation	Minimal
* Uterus		Metaplasia	Squamous, Mild

PRIMARY CAUSE OF DEATH	- Brain Hemorrhage
CONTRIBUTORY CAUSE OF DEATH	- Oral Mucosa Gingival Squamous Cell Carcinoma

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 562	**TRT#:** 7	**SEX:** Female	**DAY ON TEST:** 731
	DOSE: 100 NG/ KG/STOP	**DISP:** Terminal Sacrifice	**HISTO:** 2002572

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Atrophy	Minimal
		Hyperplasia	Mild
		Hypertrophy	Moderate
* Clitoral Gland	Duct	Cyst	Mild
		Inflammation	Mild
Eye			
Note: One optic nerve missing.			
* Heart		Cardiomyopathy	Minimal
		Schwannoma Malignant	
* Kidney		Mineralization	Minimal
		Nephropathy	Mild
* Liver		Cholangiofibrosis	Mild
		Fatty Change	Focal, Mild
		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Mild
		Inflammation	Minimal
		Mixed Cell Focus	Multiple
		Pigmentation	Minimal
[Hepatodiaphragmatic Nodule TGLS = 1-7]			
[Mixed Cell Focus TGLS = 4-11]			
* Lung	Alveolar Epith	Metaplasia	Bronchiolar, Minimal
Note: Left lung frozen for NTP.			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 562	**TRT#:** 7	**SEX:** Female	**DAY ON TEST:** 731
	DOSE: 100 NG/ KG/STOP	**DISP:** Terminal Sacrifice	**HISTO:** 2002572

ORGAN AND ACCOUNTABLE SITE STATUS

* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Mild
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Minimal
[Fibroadenoma TGLS = 2-12]			
* Ovary		Atrophy	Marked
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Mild
[Adenoma TGLS = 3-8]			
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Mild
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Adenoma	
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
		Metaplasia	Squamous, Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 563	**TRT#:** 7	**SEX:** Female	**DAY ON TEST:** 645
	DOSE: 100 NG/ KG/STOP	**DISP:** Moribund Sacrifice	**HISTO:** 2002573

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Mild
		Vacuolization Cytoplasmic	Minimal
* Bone Marrow		Hyperplasia	Moderate
* Clitoral Gland	Duct	Cyst	Minimal
Harderian Gland		Inflammation	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Minimal
* Liver		Basophilic Focus	
		Eosinophilic Focus	Multiple
		Inflammation	Minimal
		Mixed Cell Focus	Multiple
	Hepatocyte	Multinucleated	Minimal
		Pigmentation	Mild
[Mixed Cell Focus TGLS = 4-13]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Fibroadenoma	Multiple
		Hyperplasia	Minimal
[Fibroadenoma TGLS = 1,2-11+12]			
* Ovary		Atrophy	Marked
		Cyst	Mild
		Inflammation	Granulomatous, Moderate
[Inflammation TGLS = 3-10]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 563	**TRT#:** 7	**SEX:** Female	**DAY ON TEST:** 645
	DOSE: 100 NG/ KG/STOP	**DISP:** Moribund Sacrifice	**HISTO:** 2002573

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Minimal
* Stomach, Forestomach		Hyperplasia	Squamous, Mild
		Inflammation	Mild
* Thymus		Atrophy	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal
		Metaplasia	Squamous, Minimal
PRIMARY CAUSE OF DEATH	- Mammary Gland Fibroadenoma		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 564	**TRT#:** 7	**SEX:** Female	**DAY ON TEST:** 584
	DOSE: 100 NG/ KG/STOP	**DISP:** Natural Death	**HISTO:** 2002574

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Mild
		Necrosis	Moderate
* Bone Marrow		Hyperplasia	Marked
* Heart		Cardiomyopathy	Mild
* Kidney	Transit Epithe	Hyperplasia	Minimal
		Nephropathy	Minimal
* Liver		Fatty Change	Diffuse, Mild
		Inflammation	Mild
		Pigmentation	Mild
* Lung		Infiltration Cellular	Histiocyte, Mild
[Infiltration Cellular TGLS = 6-3+4]			
Lymph Node	Mediastinal	Hyperplasia	Plasma Cell, Mild
[Hyperplasia TGLS = 5-13]			
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Mild
Oral Mucosa	Gingival	Hyperplasia	Squamous, Moderate
	Gingival	Squamous Cell Carcinoma	
[Squamous Cell Carcinoma TGLS = 7-11]			
* Ovary		Atrophy	Marked
		Cyst	Marked
[Cyst TGLS = 1,2-10]			
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 564	**TRT#:** 7	**SEX:** Female	**DAY ON TEST:** 584
	DOSE: 100 NG/ KG/STOP	**DISP:** Natural Death	**HISTO:** 2002574

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen		Pigmentation	Mild
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Adenoma	
	C Cell	Hyperplasia	Mild
Tooth	Peridont Tiss	Inflammation	Mild
* Uterus		Inflammation	Suppurative, Marked
[Inflammation TGLS = 3,4-12]			

PRIMARY CAUSE OF DEATH - Oral Mucosa Gingival Squamous Cell Carcinoma

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 565	**TRT#:** 7	**SEX:** Female	**DAY ON TEST:** 731
	DOSE: 100 NG/ KG/STOP	**DISP:** Terminal Sacrifice	**HISTO:** 2002575

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Mild
		Hyperplasia	Moderate
		Hypertrophy	Mild
		Vacuolization Cytoplasmic	Minimal
* Clitoral Gland	Duct	Cyst	Minimal
* Heart		Cardiomyopathy	Minimal
* Intestine Large, Rectum		Parasite Metazoan	
* Kidney		Mineralization	Minimal
		Nephropathy	Mild
* Liver		Clear Cell Focus	Multiple
		Fatty Change	Diffuse, Minimal
		Inflammation	Minimal
		Mixed Cell Focus	Multiple
		Pigmentation	Mild
[Mixed Cell Focus TGLS = 2-11]			
* Lung		Infiltration Cellular	Histiocyte, Mild
	Alveolar Epith	Metaplasia	Bronchiolar, Minimal
Note: Left lung frozen for NTP.			
[Metaplasia TGLS = 3-4]			
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Mild
Oral Mucosa	Gingival	Hyperplasia	Squamous, Mild
* Ovary		Atrophy	Marked

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 565	**TRT#:** 7	**SEX:** Female	**DAY ON TEST:** 731
	DOSE: 100 NG/ KG/STOP	**DISP:** Terminal Sacrifice	**HISTO:** 2002575

ORGAN AND ACCOUNTABLE SITE STATUS

* Pancreas	Artery	Inflammation	Chronic Active, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Moderate
	Pars Distalis	Hyperplasia	Mild
		Vacuolization Cytoplasmic	Mild
[Adenoma TGLS = 4-8]			
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Mild
* Thymus		Atrophy	Moderate
Tooth	Peridont Tiss	Inflammation	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Marked
[Hyperplasia TGLS = 1-10]			
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 566	**TRT#:** 7	**SEX:** Female	**DAY ON TEST:** 345
	DOSE: 100 NG/ KG/STOP	**DISP:** Natural Death	**HISTO:** 2002576

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Minimal
		Lymphoma Malignant	
		Vacuolization Cytoplasmic	Minimal
* Bone Marrow		Hyperplasia	Moderate
* Clitoral Gland	Duct	Cyst	Minimal
		Inflammation	Minimal
Eye			
Note: One optic nerve missing.			
* Heart		Lymphoma Malignant	
* Kidney		Lymphoma Malignant	
* Liver		Lymphoma Malignant	
		Necrosis	Mild
* Lung		Lymphoma Malignant	
* Lymph Node, Mesenteric		Lymphoma Malignant	
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-11]			
Oral Mucosa	Gingival	Hyperplasia	Squamous, Minimal
Note: A foreign material (hair) was associated with the squamous hyperplasia and inflammation around the tooth.			
* Ovary		Atrophy	Marked
* Pituitary Gland		Lymphoma Malignant	
* Spleen		Lymphoma Malignant	
[Lymphoma Malignant TGLS = 2-5]			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 566	**TRT#:** 7	**SEX:** Female	**DAY ON TEST:** 345
	DOSE: 100 NG/ KG/STOP	**DISP:** Natural Death	**HISTO:** 2002576

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus		Lymphoma Malignant	
Tooth	Peridont Tiss	Inflammation	Minimal
PRIMARY CAUSE OF DEATH	- Liver Lymphoma Malignant		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 567	**TRT#:** 7	**SEX:** Female	**DAY ON TEST:** 733
	DOSE: 100 NG/ KG/STOP	**DISP:** Terminal Sacrifice	**HISTO:** 2002577

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Moderate
		Hypertrophy	Mild
		Vacuolization Cytoplasmic	Mild
* Adrenal Medulla		Hyperplasia	Moderate
* Bone Marrow		Hyperplasia	Moderate
* Clitoral Gland	Duct	Cyst	Minimal
* Intestine Large, Rectum		Parasite Metazoan	
* Kidney		Mineralization	Minimal
		Nephropathy	Mild
* Liver		Angiectasis	Mild
		Eosinophilic Focus	Multiple
		Fatty Change	Diffuse, Minimal
		Mixed Cell Focus	Multiple
	Hepatocyte	Multinucleated	Mild
		Pigmentation	Mild
[Eosinophilic Focus TGLS = 4,5-7+11]			
[Mixed Cell Focus TGLS = 3-6]			
* Lung		Infiltration Cellular	Histiocyte, Mild
	Alveolar Epith	Metaplasia	Bronchiolar, Minimal
[Metaplasia TGLS = 2-3+4]			
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Mild
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-12]			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 567	**TRT#:** 7	**SEX:** Female	**DAY ON TEST:** 733
	DOSE: 100 NG/ KG/STOP	**DISP:** Terminal Sacrifice	**HISTO:** 2002577

ORGAN AND ACCOUNTABLE SITE STATUS

* Ovary		Atrophy	Marked
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Mild
* Thymus		Atrophy	Moderate
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate
		Polyp Stromal	

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 568	**TRT#:** 7	**SEX:** Female	**DAY ON TEST:** 604
	DOSE: 100 NG/ KG/STOP	**DISP:** Moribund Sacrifice	**HISTO:** 2002578

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Esophagus	Eye	Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Glandular	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Moderate
		Hypertrophy	Minimal
		Vacuolization Cytoplasmic	Minimal
* Bone Marrow		Hyperplasia	Moderate
* Clitoral Gland	Duct	Cyst	Mild
		Inflammation	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Eosinophilic Focus	Multiple
	Hepatocyte	Hypertrophy	Minimal
		Inflammation	Minimal
		Mixed Cell Focus	Multiple
		Pigmentation	Minimal
* Lung		Infiltration Cellular	Histiocyte, Mild
	Alveolar Epith	Metaplasia	Bronchiolar, Minimal
[Metaplasia TGLS = 5-3+4]			
Lymph Node	Lumbar	Ectasia	Mild
	Lumbar	Hyperplasia	Plasma Cell, Moderate
[Ectasia TGLS = 6-13]			
[Hyperplasia TGLS = 6-13]			
* Mammary Gland		Fibroadenoma	Multiple

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 568	**TRT#:** 7	**SEX:** Female	**DAY ON TEST:** 604
	DOSE: 100 NG/ KG/STOP	**DISP:** Moribund Sacrifice	**HISTO:** 2002578

ORGAN AND ACCOUNTABLE SITE STATUS

		Hyperplasia	Mild
[Fibroadenoma TGLS = 1,2-11+12]			
* Ovary		Cyst	Moderate
Note: One ovarian cyst was a bursal cyst.			
[Cyst TGLS = 4,3-10]			
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Minimal
* Stomach, Forestomach		Hyperplasia	Squamous, Minimal
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Mild
PRIMARY CAUSE OF DEATH	- Mammary Gland Fibroadenoma		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 569	**TRT#:** 7	**SEX:** Female	**DAY ON TEST:** 731
	DOSE: 100 NG/ KG/STOP	**DISP:** Terminal Sacrifice	**HISTO:** 2002579

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
		Degeneration	Cystic, Moderate
		Hyperplasia	Moderate
		Hypertrophy	Moderate
* Adrenal Medulla		Hyperplasia	Mild
* Bone Marrow		Hyperplasia	Mild
* Clitoral Gland	Duct	Cyst	Moderate
		Inflammation	Moderate
Eye			
Note: One optic nerve present.			
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Clear Cell Focus	
	Hepatocyte	Hypertrophy	Minimal
		Inflammation	Minimal
		Mixed Cell Focus	Multiple
	Hepatocyte	Multinucleated	Minimal
		Pigmentation	Minimal
* Lung		Infiltration Cellular	Histiocyte, Minimal
Note: Left lung frozen for NTP.			
* Mammary Gland		Fibroadenoma	

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 569	**TRT#:** 7	**SEX:** Female	**DAY ON TEST:** 731
	DOSE: 100 NG/ KG/STOP	**DISP:** Terminal Sacrifice	**HISTO:** 2002579

ORGAN AND ACCOUNTABLE SITE STATUS

[Fibroadenoma TGLS = 1-11]			
* Ovary		Cyst	Moderate
[Cyst TGLS = 3-10]			
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Mild
* Thymus		Atrophy	Mild
Tooth	Peridont Tiss	Inflammation	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Marked
[Hyperplasia TGLS = 2-10]			
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 570	**TRT#:** 7	**SEX:** Female	**DAY ON TEST:** 578
	DOSE: 100 NG/ KG/STOP	**DISP:** Moribund Sacrifice	**HISTO:** 2002580

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
		Hypertrophy	Mild
* Bone Marrow		Hyperplasia	Moderate
* Clitoral Gland		Inflammation	Mild
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver	Hepatocyte	Hypertrophy	Mild
		Inflammation	Minimal
		Mixed Cell Focus	
		Pigmentation	Mild
* Lung		Infiltration Cellular	Histiocyte, Mild
	Alveolar Epith	Metaplasia	Bronchiolar, Minimal
		Metaplasia	Squamous, Minimal
[Infiltration Cellular TGLS = 2-3+4]			
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-11]			
* Ovary		Atrophy	Marked
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Minimal
* Thymus		Atrophy	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
		Metaplasia	Squamous, Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 570	**TRT#:** 7	**SEX:** Female	**DAY ON TEST:** 578
	DOSE: 100 NG/ KG/STOP	**DISP:** Moribund Sacrifice	**HISTO:** 2002580

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH	- Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 571	**TRT#:** 7	**SEX:** Female	**DAY ON TEST:** 733
	DOSE: 100 NG/ KG/STOP	**DISP:** Terminal Sacrifice	**HISTO:** 2002581

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Esophagus	Eye	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Parathyroid Gland	* Salivary Glands	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Moderate
		Hyperplasia	Moderate
		Hypertrophy	Moderate
		Vacuolization Cytoplasmic	Minimal
* Clitoral Gland	Duct	Cyst	Moderate
		Inflammation	Mild
Harderian Gland		Inflammation	Minimal
* Intestine Large, Rectum		Parasite Metazoan	
* Kidney	Transit Epithe	Hyperplasia	Minimal
		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Eosinophilic Focus	
		Inflammation	Minimal
		Mixed Cell Focus	Multiple
	Hepatocyte	Multinucleated	Minimal
		Pigmentation	Mild
* Lung		Infiltration Cellular	Histiocyte, Mild
	Alveolar Epith	Metaplasia	Bronchiolar, Mild
[Metaplasia TGLS = 3-3+4]			
* Mammary Gland		Hyperplasia	Minimal
* Ovary		Atrophy	Marked
* Pancreas		Angiectasis	Mild
	Acinus	Atrophy	Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 571	**TRT#:** 7	**SEX:** Female	**DAY ON TEST:** 733
	DOSE: 100 NG/ KG/STOP	**DISP:** Terminal Sacrifice	**HISTO:** 2002581

ORGAN AND ACCOUNTABLE SITE STATUS

	Acinus	Carcinoma	
		Inflammation	Chronic Active, Mild
[Carcinoma TGLS = 4-12]			
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Marked
[Adenoma TGLS = 2-8]			
* Skin		Fibroma	
[Fibroma TGLS = 1-11]			
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Mild
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Adenoma	
	C Cell	Hyperplasia	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
		Metaplasia	Squamous, Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 572	**TRT#:** 7	**SEX:** Female	**DAY ON TEST:** 641
	DOSE: 100 NG/ KG/STOP	**DISP:** Moribund Sacrifice	**HISTO:** 2002582

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Moderate
		Degeneration	Cystic, Moderate
		Hypertrophy	Moderate
[Hypertrophy TGLS = 3-8]			
* Bone Marrow		Hyperplasia	Mild
* Clitoral Gland	Duct	Cyst	Mild
* Intestine Large, Rectum		Parasite Metazoan	
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Fatty Change	Diffuse, Minimal
	Hepatocyte	Hypertrophy	Mild
		Inflammation	Minimal
		Mixed Cell Focus	Multiple
* Lung		Infiltration Cellular	Histiocyte, Moderate
	Alveolar Epith	Metaplasia	Bronchiolar, Mild
		Metaplasia	Squamous, Minimal
[Metaplasia TGLS = 4-3+4]			
* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 1,2-11+12]			
* Ovary		Atrophy	Marked
		Cyst	Mild
* Pituitary Gland	Pars Distalis	Adenoma	

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 572	**TRT#:** 7	**SEX:** Female	**DAY ON TEST:** 641
	DOSE: 100 NG/ KG/STOP	**DISP:** Moribund Sacrifice	**HISTO:** 2002582

ORGAN AND ACCOUNTABLE SITE STATUS

	Angiectasis	Moderate
[Adenoma TGLS = 5-8]		
* Spleen	Hematopoietic Cell Proliferation	Mild
	Pigmentation	Minimal
* Thymus	Atrophy	Marked

PRIMARY CAUSE OF DEATH	- Mammary Gland Fibroadenoma
CONTRIBUTORY CAUSE OF DEATH	- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 573	**TRT#:** 7	**SEX:** Female	**DAY ON TEST:** 656
	DOSE: 100 NG/ KG/STOP	**DISP:** Natural Death	**HISTO:** 2002583

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Esophagus	Eye	Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
		Hypertrophy	Mild
		Vacuolization Cytoplasmic	Minimal
* Clitoral Gland	Duct	Cyst	Mild
		Inflammation	Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Mineralization	Minimal
		Nephropathy	Mild
* Liver		Inflammation	Minimal
	Hepatocyte	Multinucleated	Minimal
		Pigmentation	Moderate
* Lung		Infiltration Cellular	Histiocyte, Mild
	Alveolar Epith	Metaplasia	Bronchiolar, Minimal
[Metaplasia TGLS = 1-3+4]			
Oral Mucosa	Gingival	Squamous Cell Carcinoma	
[Squamous Cell Carcinoma TGLS = 3-1]			
* Ovary		Atrophy	Moderate
		Cyst	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Moderate
[Adenoma TGLS = 2-8]			
* Spleen		Hematopoietic Cell Proliferation	Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 573	**TRT#:** 7	**SEX:** Female	**DAY ON TEST:** 656
	DOSE: 100 NG/ KG/STOP	**DISP:** Natural Death	**HISTO:** 2002583

ORGAN AND ACCOUNTABLE SITE STATUS

		Pigmentation	Mild
* Stomach, Forestomach		Inflammation	Minimal
		Ulcer	Minimal
* Stomach, Glandular		Erosion	Mild
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal

PRIMARY CAUSE OF DEATH - Oral Mucosa Gingival Squamous Cell Carcinoma

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 574	**TRT#:** 7	**SEX:** Female	**DAY ON TEST:** 578
	DOSE: 100 NG/ KG/STOP	**DISP:** Moribund Sacrifice	**HISTO:** 2002584

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Esophagus
Eye	Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Pancreas	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	

MISSING

Blood Vessel	* Intestine Small, Ileum	* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex		Atrophy	Minimal
		Hyperplasia	Mild
* Bone Marrow		Hyperplasia	Moderate
* Clitoral Gland	Duct	Cyst	Moderate
		Hyperplasia	Squamous, Moderate
		Inflammation	Moderate
Eye			
Note: One optic nerve missing.			
* Kidney		Casts Protein	Minimal
		Mineralization	Minimal
* Liver		Eosinophilic Focus	
		Inflammation	Minimal
		Mixed Cell Focus	Multiple
		Pigmentation	Mild
* Lung		Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Lumbar	Ectasia	Moderate
[Ectasia TGLS = 2-12]			
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-11]			
* Ovary		Atrophy	Marked
		Cyst	Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 574	**TRT#:** 7	**SEX:** Female	**DAY ON TEST:** 578
	DOSE: 100 NG/ KG/STOP	**DISP:** Moribund Sacrifice	**HISTO:** 2002584

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Minimal
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Moderate
Tooth	Peridont Tiss	Inflammation	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
		Metaplasia	Squamous, Mild

PRIMARY CAUSE OF DEATH - Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 575	**TRT#:** 7	**SEX:** Female	**DAY ON TEST:** 732
	DOSE: 100 NG/ KG/STOP	**DISP:** Terminal Sacrifice	**HISTO:** 2002585

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Moderate
		Hypertrophy	Moderate
		Vacuolization Cytoplasmic	Mild
[Hypertrophy TGLS = 6-8]			
* Clitoral Gland	Duct	Cyst	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Minimal
* Liver		Fatty Change	Focal, Minimal
		Inflammation	Minimal
		Mixed Cell Focus	Multiple
[Mixed Cell Focus TGLS = 7-6+7]			
* Lung		Infiltration Cellular	Histiocyte, Mild
	Alveolar Epith	Metaplasia	Bronchiolar, Minimal
* Mammary Gland		Fibroadenoma	Multiple
		Hyperplasia	Minimal
[Fibroadenoma TGLS = 1,2-11+12]			
* Ovary		Atrophy	Marked
* Pancreas	Acinus	Atrophy	Moderate
		Inflammation	Chronic Active, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Minimal
* Spleen		Hematopoietic Cell Proliferation	Moderate

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 575	**TRT#:** 7	**SEX:** Female	**DAY ON TEST:** 732
	DOSE: 100 NG/ KG/STOP	**DISP:** Terminal Sacrifice	**HISTO:** 2002585

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus	Atrophy	Marked
* Uterus	Inflammation	Chronic Active, Moderate
	Metaplasia	Squamous, Moderate
	Squamous Cell Carcinoma	

Note: The nodule (TGL 3; slide 13) was a dilated uterus filled with keratin and inflammatory cells. The uterine carcinoma (slide 14) was a squamous cell carcinoma.
[Inflammation TGLS = 5-10]
[Metaplasia TGLS = 3-13]
[Squamous Cell Carcinoma TGLS = 4-14]

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 576	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 213
	DOSE: 100 NG/KG	**DISP:** Scheduled Sacrifice	**HISTO:** 2002586

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
* Adrenal Cortex	* Adrenal Medulla	* Islets, Pancreatic	* Lung
* Mammary Gland	* Ovary	* Pituitary Gland	* Stomach, Forestomach
* Stomach, Glandular	* Uterus	Vagina	
OBSERVATIONS			
* Liver		Fatty Change	Diffuse, Minimal
	Hepatocyte	Hypertrophy	Moderate
		Inflammation	Mild
		Mixed Cell Focus	Multiple
	Hepatocyte	Multinucleated	Mild
		Pigmentation	Mild
		Toxic Hepatopathy	Mild
* Pancreas	Acinus	Vacuolization Cytoplasmic	Minimal
* Spleen		Pigmentation	Minimal
* Thymus		Atrophy	Moderate
* Thyroid Gland	Follicular Cel	Hypertrophy	Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 577	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 213
	DOSE: 100 NG/KG	**DISP:** Scheduled Sacrifice	**HISTO:** 2002587

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
* Adrenal Medulla	* Islets, Pancreatic	* Lung	* Mammary Gland
* Ovary	* Pancreas	* Pituitary Gland	* Stomach, Forestomach
* Stomach, Glandular	Vagina		
OBSERVATIONS			
* Adrenal Cortex		Hypertrophy	Minimal
* Liver		Fatty Change	Diffuse, Minimal
	Hepatocyte	Hypertrophy	Moderate
		Inflammation	Mild
		Mixed Cell Focus	Multiple
	Hepatocyte	Multinucleated	Minimal
		Pigmentation	Mild
		Toxic Hepatopathy	Mild
* Spleen		Pigmentation	Minimal
* Thymus		Atrophy	Moderate
* Thyroid Gland	Follicular Cel	Hypertrophy	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Marked
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 578	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 213
	DOSE: 100 NG/KG	**DISP:** Scheduled Sacrifice	**HISTO:** 2002588

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
* Adrenal Cortex	* Adrenal Medulla	* Islets, Pancreatic	* Lung
* Mammary Gland	* Ovary	* Pituitary Gland	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Uterus	Vagina
OBSERVATIONS			
* Liver		Fatty Change	Diffuse, Minimal
	Hepatocyte	Hypertrophy	Mild
		Inflammation	Minimal
		Mixed Cell Focus	
		Pigmentation	Mild
		Toxic Hepatopathy	Minimal
* Pancreas	Acinus	Vacuolization Cytoplasmic	Minimal
* Spleen		Pigmentation	Minimal
* Thymus		Atrophy	Moderate
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 579	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 213
	DOSE: 100 NG/KG	**DISP:** Scheduled Sacrifice	**HISTO:** 2002589

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
* Adrenal Cortex	* Adrenal Medulla	* Islets, Pancreatic	* Lung
* Mammary Gland	* Pituitary Gland	* Stomach, Forestomach	* Stomach, Glandular
Vagina			
OBSERVATIONS			
* Liver		Fatty Change	Diffuse, Minimal
	Hepatocyte	Hypertrophy	Mild
		Inflammation	Mild
		Mixed Cell Focus	Multiple
	Hepatocyte	Multinucleated	Mild
		Pigmentation	Mild
		Toxic Hepatopathy	Mild
* Ovary		Atrophy	Marked
* Pancreas	Acinus	Vacuolization Cytoplasmic	Minimal
* Spleen		Pigmentation	Minimal
* Thymus		Atrophy	Moderate
* Thyroid Gland	Follicular Cel	Hypertrophy	Moderate
* Uterus		Metaplasia	Squamous, Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 580	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 213
	DOSE: 100 NG/KG	**DISP:** Scheduled Sacrifice	**HISTO:** 2002590

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
* Adrenal Medulla	* Islets, Pancreatic	* Lung	* Mammary Gland
* Pancreas	* Pituitary Gland	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Uterus	Vagina	
OBSERVATIONS			
* Adrenal Cortex		Hypertrophy	Minimal
* Liver	Hepatocyte	Hypertrophy	Moderate
		Inflammation	Minimal
		Mixed Cell Focus	Multiple
	Hepatocyte	Multinucleated	Mild
		Pigmentation	Mild
		Toxic Hepatopathy	Mild
* Ovary		Atrophy	Marked
* Spleen		Pigmentation	Minimal
* Thymus		Atrophy	Marked
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 581	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 731
	DOSE: 100 NG/KG	**DISP:** Terminal Sacrifice	**HISTO:** 2002591

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Esophagus	Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Ovary	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Atrophy	Mild
		Hyperplasia	Marked
		Hypertrophy	Mild
* Clitoral Gland	Duct	Cyst	Moderate
Eye	Retina	Atrophy	Mild
* Kidney		Mineralization	Minimal
		Nephropathy	Mild
* Liver		Clear Cell Focus	Multiple
		Cytoplasmic Alteration	Mild
		Eosinophilic Focus	Multiple
		Fatty Change	Diffuse, Mild
	Portal	Fibrosis	Minimal
	Bile Duct	Hyperplasia	Minimal
	Oval Cell	Hyperplasia	Mild
	Hepatocyte	Hypertrophy	Moderate
		Inflammation	Minimal
		Mixed Cell Focus	Multiple
	Hepatocyte	Multinucleated	Minimal
		Pigmentation	Mild
		Toxic Hepatopathy	Moderate
[Mixed Cell Focus TGLS = 1,2-6+7]			
* Lung		Infiltration Cellular	Histiocyte, Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 581	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 731
	DOSE: 100 NG/KG	**DISP:** Terminal Sacrifice	**HISTO:** 2002591

ORGAN AND ACCOUNTABLE SITE STATUS

	Alveolar Epith	Metaplasia	Bronchiolar, Mild
Note: Left lung frozen for NTP.			
[Metaplasia TGLS = 4-4]			
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Mild
[Fibroadenoma TGLS = 3-11]			
Oral Mucosa	Gingival	Hyperplasia	Squamous, Marked
* Pancreas	Acinus	Vacuolization Cytoplasmic	Mild
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Minimal
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 582	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 95
	DOSE: 100 NG/KG	**DISP:** Scheduled Sacrifice	**HISTO:** 2002592

***** NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 583	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 731
	DOSE: 100 NG/KG	**DISP:** Terminal Sacrifice	**HISTO:** 2002593

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Esophagus	Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mesenteric	* Nose	* Ovary
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Glandular
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Mild
		Hyperplasia	Mild
		Hypertrophy	Mild
* Bone Marrow		Hyperplasia	Moderate
* Clitoral Gland	Duct	Cyst	Moderate
		Inflammation	Minimal
Eye	Retina	Atrophy	Mild
* Heart		Cardiomyopathy	Mild
* Kidney	Transit Epithe	Hyperplasia	Mild
		Mineralization	Minimal
		Nephropathy	Moderate
* Liver		Cholangiocarcinoma	
		Cholangiofibrosis	Mild
		Eosinophilic Focus	Multiple
		Fatty Change	Diffuse, Mild
	Portal	Fibrosis	Mild
		Hepatocellular Adenoma	Multiple
	Bile Duct	Hyperplasia	Mild
	Oval Cell	Hyperplasia	Moderate
	Hepatocyte	Hypertrophy	Moderate
		Inflammation	Minimal
		Mixed Cell Focus	Multiple
	Hepatocyte	Multinucleated	Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 583	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 731
	DOSE: 100 NG/KG	**DISP:** Terminal Sacrifice	**HISTO:** 2002593

ORGAN AND ACCOUNTABLE SITE STATUS

		Pigmentation	Mild
		Toxic Hepatopathy	Marked
[Cholangiocarcinoma TGLS = 6-14]			
[Eosinophilic Focus TGLS = 4,5-6+7+13+14]			
[Hepatocellular Adenoma TGLS = 3,4-12+13]			
* Lung		Infiltration Cellular	Histiocyte, Mild
	Alveolar Epith	Metaplasia	Bronchiolar, Mild
		Metaplasia	Squamous, Moderate
Note: Left lung frozen for NTP.			
[Infiltration Cellular TGLS = 7-4]			
Lymph Node	Mediastinal	Hemorrhage	Mild
[Hemorrhage TGLS = 10-13]			
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Mild
* Mammary Gland		Fibroadenoma	Multiple
		Hyperplasia	Mild
[Fibroadenoma TGLS = 1,2-11+15]			
* Pancreas	Acinus	Atrophy	Minimal
	Acinus	Vacuolization Cytoplasmic	Moderate
* Pituitary Gland		Angiectasis	Mild
	Pars Distalis	Hyperplasia	Mild
[Hyperplasia TGLS = 11-8]			
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Minimal
* Stomach, Forestomach		Hyperkeratosis	Mild
		Hyperplasia	Squamous, Moderate
		Inflammation	Moderate
		Ulcer	Moderate
[Hyperkeratosis TGLS = 12-6]			
[Hyperplasia TGLS = 12-6]			
* Thymus		Atrophy	Marked
[Atrophy TGLS = 8-3]			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 583	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 731
	DOSE: 100 NG/KG	**DISP:** Terminal Sacrifice	**HISTO:** 2002593

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland	C Cell	Hyperplasia	Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 584	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 604
	DOSE: 100 NG/KG	**DISP:** Moribund Sacrifice	**HISTO:** 2002594

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Atrophy	Mild
		Degeneration	Cystic, Mild
		Hypertrophy	Mild
* Bone Marrow		Hyperplasia	Marked
* Clitoral Gland	Duct	Cyst	Mild
Eye			
Note: Both optic nerves missing.			
* Heart		Cardiomyopathy	Minimal
* Kidney	Transit Epithe	Hyperplasia	Mild
		Inflammation	Suppurative, Moderate
		Nephropathy	Minimal
[Inflammation TGLS = 3-5]			
* Liver		Cholangiofibrosis	Mild
		Eosinophilic Focus	Multiple
		Fatty Change	Focal, Minimal
	Bile Duct	Hyperplasia	Mild
	Oval Cell	Hyperplasia	Mild
		Hyperplasia	Nodular
	Hepatocyte	Hypertrophy	Marked
		Inflammation	Minimal
	Hepatocyte	Multinucleated	Mild
		Pigmentation	Mild
		Toxic Hepatopathy	Moderate

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 584	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 604
	DOSE: 100 NG/KG	**DISP:** Moribund Sacrifice	**HISTO:** 2002594

ORGAN AND ACCOUNTABLE SITE STATUS

[Eosinophilic Focus TGLS = 2,5-6+7+13]			
* Lung		Infiltration Cellular	Histiocyte, Mild
	Alveolar Epith	Metaplasia	Bronchiolar, Mild
		Metaplasia	Squamous, Moderate
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 4-11]			
Oral Mucosa	Gingival	Squamous Cell Carcinoma	
[Squamous Cell Carcinoma TGLS = 6-1]			
* Ovary		Atrophy	Marked
		Cyst	Mild
* Pancreas	Acinus	Vacuolization Cytoplasmic	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
* Spleen		Hematopoietic Cell Proliferation	Mild
* Stomach, Glandular		Ulcer	Moderate
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Minimal
	Follicular Cel	Hypertrophy	Mild
* Uterus		Inflammation	Suppurative, Minimal
Vagina		Schwannoma Malignant	
[Schwannoma Malignant TGLS = 1-12]			

PRIMARY CAUSE OF DEATH	- Mammary Gland Fibroadenoma
CONTRIBUTORY CAUSE OF DEATH	- Oral Mucosa Gingival Squamous Cell Carcinoma;Vagina Schwannoma Malignant

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 585	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 693
	DOSE: 100 NG/KG	**DISP:** Natural Death	**HISTO:** 2002595

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Brain	* Esophagus
Eye	Harderian Gland	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Mammary Gland
* Nose	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Small, Ileum	* Lymph Node, Mesenteric

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
		Hypertrophy	Mild
* Adrenal Medulla		Hyperplasia	Mild
* Bone Marrow		Hyperplasia	Moderate
* Clitoral Gland	Duct	Cyst	Moderate
		Inflammation	Minimal
* Heart		Cardiomyopathy	Mild
* Kidney	Transit Epithe	Hyperplasia	Mild
		Mineralization	Minimal
		Nephropathy	Moderate

Note: The pale kidney observed at necropsy was in part due to autolysis as was the appearance of the convoluted tubules.
[Nephropathy TGLS = 1-5]

* Liver		Cholangiocarcinoma	Multiple
		Cholangiofibrosis	Mild
	Bile Duct	Cyst	Marked
		Fatty Change	Diffuse, Mild
	Portal	Fibrosis	Moderate
		Hepatocellular Adenoma	
	Bile Duct	Hyperplasia	Moderate
	Oval Cell	Hyperplasia	Moderate
		Hyperplasia	Nodular
	Hepatocyte	Hypertrophy	Moderate

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 585	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 693
	DOSE: 100 NG/KG	**DISP:** Natural Death	**HISTO:** 2002595

ORGAN AND ACCOUNTABLE SITE STATUS

		Inflammation	Minimal
	Hepatocyte	Multinucleated	Minimal
		Necrosis	Moderate
		Pigmentation	Mild
		Toxic Hepatopathy	Marked
[Cholangiocarcinoma TGLS = 9-13]			
[Hepatocellular Adenoma TGLS = 5,6,8,9-11]			
[Hyperplasia TGLS = 5,6,8,9-6+12+13]			
[Necrosis TGLS = 7-6+7]			
* Lung		Cystic Keratinizing Epithelioma	
		Infiltration Cellular	Histiocyte, Mild
	Alveolar Epith	Metaplasia	Bronchiolar, Moderate
[Cystic Keratinizing Epithelioma TGLS = 3-3]			
[Infiltration Cellular TGLS = 2-3+4]			
[Metaplasia TGLS = 2-3+4]			
Lymph Node	Mediastinal	Ectasia	Mild
[Ectasia TGLS = 4-11]			
* Ovary		Atrophy	Marked
* Pancreas	Acinus	Vacuolization Cytoplasmic	Mild
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Minimal
* Stomach, Forestomach		Hyperplasia	Squamous, Mild
		Ulcer	Minimal
* Stomach, Glandular		Ulcer	Mild
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH	- Liver	Cholangiocarcinoma
CONTRIBUTORY CAUSE OF DEATH	- Liver	Hyperplasia;Lung Cystic Keratinizing Epithelioma

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 586	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 614
	DOSE: 100 NG/KG	**DISP:** Moribund Sacrifice	**HISTO:** 2002596

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Esophagus	Eye	Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mesenteric	* Nose	* Ovary	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
		Hypertrophy	Minimal
		Vacuolization Cytoplasmic	Mild
* Clitoral Gland	Duct	Cyst	Mild
Eye			
Note: One optic nerve missing.			
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Cholangiocarcinoma	Multiple
		Cholangiofibrosis	Minimal
		Eosinophilic Focus	Multiple
		Fatty Change	Diffuse, Mild
	Bile Duct	Hyperplasia	Mild
	Oval Cell	Hyperplasia	Moderate
		Hyperplasia	Nodular
	Hepatocyte	Hypertrophy	Moderate
		Inflammation	Mild
		Mixed Cell Focus	Multiple
	Hepatocyte	Multinucleated	Mild
		Pigmentation	Mild
		Toxic Hepatopathy	Moderate
[Hyperplasia TGLS = 2-7+11]			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 586	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 614
	DOSE: 100 NG/KG	**DISP:** Moribund Sacrifice	**HISTO:** 2002596

ORGAN AND ACCOUNTABLE SITE STATUS

[Mixed Cell Focus TGLS = 1-6+11]			
* Lung		Infiltration Cellular	Histiocyte, Mild
	Alveolar Epith	Metaplasia	Bronchiolar, Mild
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Mild
* Mammary Gland		Hyperplasia	Mild
* Pancreas	Acinus	Vacuolization Cytoplasmic	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Spleen		Pigmentation	Mild
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH	- Liver	Cholangiocarcinoma
CONTRIBUTORY CAUSE OF DEATH	- Liver	Hyperplasia

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 587	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 732
	DOSE: 100 NG/KG	**DISP:** Terminal Sacrifice	**HISTO:** 2002597

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Esophagus
Eye	Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mesenteric	* Nose	* Ovary
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Stomach, Glandular	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Thymus

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
		Atrophy	Marked
		Degeneration	Cystic, Moderate
		Hypertrophy	Marked
Note: One adrenal was atrophic.			
[Angiectasis TGLS = 1-8]			
[Atrophy TGLS = 2-8]			
* Bone Marrow		Hyperplasia	Moderate
* Brain		Mineralization	Mild
* Clitoral Gland	Duct	Cyst	Mild
Eye			
Note: One optic nerve missing.			
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Minimal
		Nephropathy	Moderate
* Liver		Basophilic Focus	
		Cholangiofibrosis	Mild
	Bile Duct	Cyst	Moderate
		Eosinophilic Focus	Multiple
		Fatty Change	Diffuse, Mild
		Hepatocellular Adenoma	Multiple

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 587	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 732
	DOSE: 100 NG/KG	**DISP:** Terminal Sacrifice	**HISTO:** 2002597

ORGAN AND ACCOUNTABLE SITE STATUS

	Bile Duct	Hyperplasia	Mild
	Oval Cell	Hyperplasia	Mild
	Hepatocyte	Hypertrophy	Moderate
		Inflammation	Minimal
		Mixed Cell Focus	Multiple
	Hepatocyte	Multinucleated	Mild
		Pigmentation	Mild
		Toxic Hepatopathy	Marked
[Cyst TGLS = 5-13]			
[Eosinophilic Focus TGLS = 6-6+7]			
[Hepatocellular Adenoma TGLS = 3,4-11+12]			
* Lung		Infiltration Cellular	Histiocyte, Mild
	Alveolar Epith	Metaplasia	Bronchiolar, Mild
[Infiltration Cellular TGLS = 7-3+4]			
* Lymph Node, Mandibular		Ectasia	Moderate
		Hyperplasia	Plasma Cell, Moderate
* Mammary Gland		Hyperplasia	Mild
* Pancreas		Inflammation	Chronic Active, Mild
	Acinus	Vacuolization Cytoplasmic	Moderate
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Mild
* Stomach, Forestomach		Hyperplasia	Squamous, Mild
* Thyroid Gland	Follicular Cel	Hypertrophy	Minimal
Tooth	Peridont Tiss	Inflammation	Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 588	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 214
	DOSE: 100 NG/KG	**DISP:** Scheduled Sacrifice	**HISTO:** 2002598

***** NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 589	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 667
	DOSE: 100 NG/KG	**DISP:** Natural Death	**HISTO:** 2002599

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Thymus

OBSERVATIONS

* Adrenal Cortex		Atrophy	Mild
		Degeneration	Cystic, Mild
		Hyperplasia	Mild
		Hypertrophy	Marked
Note: One adrenal atrophic.			
* Bone Marrow		Hyperplasia	Moderate
* Clitoral Gland	Duct	Cyst	Minimal
		Inflammation	Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Mineralization	Minimal
		Nephropathy	Mild
* Liver		Cholangiofibrosis	Moderate
	Centrilobular	Degeneration	Moderate
		Eosinophilic Focus	
		Fatty Change	Diffuse, Mild
	Portal	Fibrosis	Mild
	Bile Duct	Hyperplasia	Mild
	Oval Cell	Hyperplasia	Moderate
		Hyperplasia	Nodular
	Hepatocyte	Hypertrophy	Moderate

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 589	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 667
	DOSE: 100 NG/KG	**DISP:** Natural Death	**HISTO:** 2002599

ORGAN AND ACCOUNTABLE SITE STATUS

		Inflammation	Minimal
		Mixed Cell Focus	
	Hepatocyte	Multinucleated	Mild
		Necrosis	Mild
		Pigmentation	Mild
		Toxic Hepatopathy	Marked
[Hyperplasia TGLS = 3,4-7+12]			
* Lung		Cystic Keratinizing Epithelioma	Multiple
		Infiltration Cellular	Histiocyte, Mild
	Alveolar Epith	Metaplasia	Bronchiolar, Mild
		Metaplasia	Squamous, Mild
[Cystic Keratinizing Epithelioma TGLS = 5-3]			
[Infiltration Cellular TGLS = 6-4]			
* Mammary Gland		Hyperplasia	Minimal
Oral Mucosa	Gingival	Hyperplasia	Squamous, Moderate
Note: A cyst-like keratin filled cavity was formed by the hyperplastic squamous epithelium around the tooth.			
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Spleen	Lymph Follic	Atrophy	Mild
		Hematopoietic Cell Proliferation	Minimal
Tooth	Peridont Tiss	Inflammation	Moderate
* Uterus		Cyst	Moderate
[Cyst TGLS = 1-11]			

PRIMARY CAUSE OF DEATH	- Lung	Cystic Keratinizing Epithelioma
CONTRIBUTORY CAUSE OF DEATH	- Liver	Hyperplasia

Animal Note: TGL 2 = NO CORRELATING LESION

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 590	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 369
	DOSE: 100 NG/KG	**DISP:** Scheduled Sacrifice	**HISTO:** 2002600

***** NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 591	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 94
	DOSE: 100 NG/KG	**DISP:** Scheduled Sacrifice	**HISTO:** 2002601

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
* Adrenal Cortex	* Adrenal Medulla	* Islets, Pancreatic	* Lung
* Mammary Gland	* Ovary	* Pancreas	* Pituitary Gland
* Stomach, Forestomach	* Stomach, Glandular	* Uterus	Vagina
OBSERVATIONS			
* Liver	Hepatocyte	Hypertrophy	Minimal
		Inflammation	Minimal
* Spleen		Pigmentation	Minimal
* Thymus		Atrophy	Mild
* Thyroid Gland	Follicular Cel	Hypertrophy	Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 592	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 94
	DOSE: 100 NG/KG	**DISP:** Scheduled Sacrifice	**HISTO:** 2002602

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
* Adrenal Cortex	* Adrenal Medulla	* Islets, Pancreatic	* Lung
* Mammary Gland	* Ovary	* Pituitary Gland	* Stomach, Forestomach
* Stomach, Glandular	* Uterus	Vagina	
OBSERVATIONS			
* Liver	Hepatocyte	Hypertrophy	Mild
		Inflammation	Minimal
		Mixed Cell Focus	
		Pigmentation	Minimal
* Pancreas	Acinus	Atrophy	Mild
		Inflammation	Chronic Active, Mild
* Spleen		Pigmentation	Minimal
* Thymus		Atrophy	Mild
* Thyroid Gland	Follicular Cel	Hypertrophy	Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 593	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 94
	DOSE: 100 NG/KG	**DISP:** Scheduled Sacrifice	**HISTO:** 2002603

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
* Adrenal Cortex	* Adrenal Medulla	* Islets, Pancreatic	* Lung
* Mammary Gland	* Ovary	* Pancreas	* Pituitary Gland
* Stomach, Forestomach	* Stomach, Glandular	* Uterus	Vagina
OBSERVATIONS			
* Liver	Hepatocyte	Hypertrophy	Mild
		Inflammation	Mild
	Hepatocyte	Multinucleated	Minimal
* Spleen		Pigmentation	Minimal
* Thymus		Atrophy	Mild
* Thyroid Gland	Follicular Cel	Hypertrophy	Moderate
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 594	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 94
	DOSE: 100 NG/KG	**DISP:** Scheduled Sacrifice	**HISTO:** 2002604

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Islets, Pancreatic
* Lung	* Mammary Gland	* Ovary	* Pancreas
* Pituitary Gland	* Stomach, Forestomach	* Stomach, Glandular	* Uterus
Vagina			
OBSERVATIONS			
* Liver		Fatty Change	Diffuse, Minimal
	Hepatocyte	Hypertrophy	Moderate
		Inflammation	Minimal
* Spleen		Pigmentation	Mild
* Thymus		Atrophy	Minimal
* Thyroid Gland	Follicular Cel	Hypertrophy	Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 595	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 94
	DOSE: 100 NG/KG	**DISP:** Scheduled Sacrifice	**HISTO:** 2002605

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
* Adrenal Cortex	* Adrenal Medulla	* Islets, Pancreatic	* Lung
* Mammary Gland	* Ovary	* Pancreas	* Pituitary Gland
* Stomach, Forestomach	* Stomach, Glandular	Vagina	
OBSERVATIONS			
* Liver	Hepatocyte	Hypertrophy	Moderate
		Inflammation	Mild
	Hepatocyte	Multinucleated	Minimal
* Spleen		Pigmentation	Minimal
* Thymus		Atrophy	Mild
* Thyroid Gland	Follicular Cel	Hypertrophy	Moderate
* Uterus	Endometrium	Hyperplasia	Cystic, Marked
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 596	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 732
	DOSE: 100 NG/KG	**DISP:** Terminal Sacrifice	**HISTO:** 2002606

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mesenteric	* Nose	* Ovary
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Atrophy	Minimal
		Hypertrophy	Mild
* Bone Marrow		Hyperplasia	Moderate
* Clitoral Gland	Duct	Cyst	Mild
Eye	Retina	Atrophy	Moderate
Note: One optic nerve missing.			
Harderian Gland		Inflammation	Minimal
* Kidney	Transit Epithe	Hyperplasia	Minimal
		Mineralization	Minimal
		Nephropathy	Mild
* Liver		Basophilic Focus	
		Cholangiocarcinoma	
		Eosinophilic Focus	Multiple
		Fatty Change	Diffuse, Moderate
	Portal	Fibrosis	Moderate
	Bile Duct	Hyperplasia	Mild
	Oval Cell	Hyperplasia	Moderate
		Hyperplasia	Nodular
	Hepatocyte	Hypertrophy	Moderate
		Inflammation	Minimal
	Hepatocyte	Multinucleated	Mild
		Pigmentation	Mild
		Toxic Hepatopathy	Moderate

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 596	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 732
	DOSE: 100 NG/KG	**DISP:** Terminal Sacrifice	**HISTO:** 2002606

ORGAN AND ACCOUNTABLE SITE STATUS

[Cholangiocarcinoma TGLS = 3-12]			
[Hyperplasia TGLS = 2,4-6+7]			
* Lung		Cystic Keratinizing Epithelioma	Multiple
		Infiltration Cellular	Histiocyte, Mild
[Infiltration Cellular TGLS = 5-3+4]			
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Mild
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Mild
[Fibroadenoma TGLS = 1-11]			
* Pancreas	Acinus	Adenoma	
	Acinus	Vacuolization Cytoplasmic	Mild
[Adenoma TGLS = 6-13]			
* Pituitary Gland		Inflammation	Chronic, Mild
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Minimal
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 597	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 717
	DOSE: 100 NG/KG	**DISP:** Moribund Sacrifice	**HISTO:** 2002607

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Esophagus	Eye	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Ovary	* Parathyroid Gland	* Salivary Glands
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
		Atrophy	Mild
		Hyperplasia	Mild
		Hypertrophy	Mild
* Bone Marrow		Hyperplasia	Mild
* Clitoral Gland	Duct	Cyst	Mild
		Inflammation	Minimal
Eye			
Note: One optic nerve missing.			
Harderian Gland		Inflammation	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Cholangiofibrosis	Moderate
		Eosinophilic Focus	Multiple
		Fatty Change	Diffuse, Minimal
		Hepatocellular Adenoma	
	Bile Duct	Hyperplasia	Mild
	Oval Cell	Hyperplasia	Mild
	Hepatocyte	Hypertrophy	Marked
		Inflammation	Minimal
	Hepatocyte	Multinucleated	Mild
		Pigmentation	Mild
		Toxic Hepatopathy	Moderate

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 597	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 717
	DOSE: 100 NG/KG	**DISP:** Moribund Sacrifice	**HISTO:** 2002607

ORGAN AND ACCOUNTABLE SITE STATUS

[Eosinophilic Focus TGLS = 5-6+7]			
[Hepatocellular Adenoma TGLS = 4-12]			
* Lung		Infiltration Cellular	Histiocyte, Mild
	Alveolar Epith	Metaplasia	Bronchiolar, Moderate
[Infiltration Cellular TGLS = 3-3+4]			
Oral Mucosa	Gingival	Hyperplasia	Squamous, Minimal
* Pancreas	Acinus	Vacuolization Cytoplasmic	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Mild
[Adenoma TGLS = 2-8]			
* Skin		Fibroma	
[Fibroma TGLS = 1-11]			
* Spleen		Pigmentation	Mild
* Stomach, Forestomach		Inflammation	Minimal
		Necrosis	Minimal
* Thymus		Atrophy	Moderate
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal

PRIMARY CAUSE OF DEATH	- Skin Fibroma
CONTRIBUTORY CAUSE OF DEATH	- Liver Hepatocellular Adenoma

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 598	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 642
	DOSE: 100 NG/KG	**DISP:** Natural Death	**HISTO:** 2002608

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Pheochromocytoma Benign	
* Adrenal Medulla		Hyperplasia	Moderate
		Pheochromocytoma Benign	
		Pheochromocytoma Malignant	
[Pheochromocytoma Benign TGLS = 8-8]			
[Pheochromocytoma Malignant TGLS = 8-8]			
* Bone Marrow		Hyperplasia	Moderate
* Clitoral Gland	Duct	Cyst	Moderate
		Inflammation	Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Mineralization	Minimal
		Nephropathy	Mild
* Liver	Bile Duct	Cyst	Moderate
		Degeneration	Cystic, Mild
		Eosinophilic Focus	Multiple
		Fatty Change	Diffuse, Mild
	Portal	Fibrosis	Moderate
		Hepatocellular Adenoma	
	Bile Duct	Hyperplasia	Moderate
	Oval Cell	Hyperplasia	Moderate
		Hyperplasia	Nodular
	Hepatocyte	Hypertrophy	Marked

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 598	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 642
	DOSE: 100 NG/KG	**DISP:** Natural Death	**HISTO:** 2002608

ORGAN AND ACCOUNTABLE SITE STATUS

		Inflammation	Minimal
		Mixed Cell Focus	
	Hepatocyte	Multinucleated	Mild
		Necrosis	Mild
		Pigmentation	Mild
		Toxic Hepatopathy	Marked
[Cyst TGLS = 9-6]			
[Eosinophilic Focus TGLS = 6-7]			
[Fibrosis TGLS = 10-6+7+11+12+13]			
[Hepatocellular Adenoma TGLS = 2,3,4,5,7-12]			
[Hyperplasia TGLS = 2,3,4,5,7-11+13]			
* Lung		Infiltration Cellular	Histiocyte, Mild
	Alveolar Epith	Metaplasia	Bronchiolar, Mild
[Infiltration Cellular TGLS = 11-3+4]			
* Mammary Gland		Hyperplasia	Moderate
* Pancreas	Acinus	Vacuolization Cytoplasmic	Minimal
* Spleen		Hematopoietic Cell Proliferation	Mild
		Hyperplasia	Lymphoid, Mild
* Thymus		Atrophy	Marked
* Uterus		Inflammation	Suppurative, Mild
		Polyp Stromal	Multiple
[Polyp Stromal TGLS = 1-10]			

PRIMARY CAUSE OF DEATH	-
CONTRIBUTORY CAUSE OF DEATH	- Liver Portal Fibrosis;Liver Necrosis

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 599	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 561
	DOSE: 100 NG/KG	**DISP:** Moribund Sacrifice	**HISTO:** 2002609

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Esophagus	Eye	Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Glandular	* Trachea	* Urinary Bladder

MISSING

* Thymus

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Mild
		Hyperplasia	Moderate
		Hypertrophy	Mild
		Vacuolization Cytoplasmic	Mild
* Bone Marrow		Hyperplasia	Moderate
* Clitoral Gland	Duct	Cyst	Mild
Eye			
Note: Both optic nerves missing.			
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Angiectasis	Mild
		Eosinophilic Focus	Multiple
		Fatty Change	Diffuse, Mild
	Bile Duct	Hyperplasia	Mild
	Oval Cell	Hyperplasia	Mild
		Hyperplasia	Nodular
	Hepatocyte	Hypertrophy	Marked
		Inflammation	Minimal
	Hepatocyte	Multinucleated	Mild
		Pigmentation	Mild
		Toxic Hepatopathy	Moderate

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 599	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 561
	DOSE: 100 NG/KG	**DISP:** Moribund Sacrifice	**HISTO:** 2002609

ORGAN AND ACCOUNTABLE SITE STATUS

[Hyperplasia TGLS = 4,5-12+13]			
* Lung		Infiltration Cellular	Histiocyte, Mild
	Alveolar Epith	Metaplasia	Bronchiolar, Mild
		Metaplasia	Squamous, Mild
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-11]			
* Nose	Septum, Turbinate	Inflammation	Mild
Note: There was a suppurative exudate in the ventral meatus.			
Oral Mucosa	Gingival	Squamous Cell Carcinoma	
* Ovary		Atrophy	Marked
		Cyst	Mild
Note: One cyst affecting the ovary was on a structure adjacent to the ovary.			
[Cyst TGLS = 2,3-10]			
* Pancreas	Acinus	Vacuolization Cytoplasmic	Mild
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Minimal
* Stomach, Forestomach		Edema	Minimal
		Inflammation	Minimal
* Thyroid Gland	Follicular Cel	Hypertrophy	Minimal
* Uterus		Metaplasia	Squamous, Mild
PRIMARY CAUSE OF DEATH	- Mammary Gland Fibroadenoma		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 600	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 214
	DOSE: 100 NG/KG	**DISP:** Scheduled Sacrifice	**HISTO:** 2002610

***** NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 601	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 732
	DOSE: 100 NG/KG	**DISP:** Terminal Sacrifice	**HISTO:** 2002611

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Mild
		Hyperplasia	Mild
		Hypertrophy	Mild
* Bone Marrow		Hyperplasia	Moderate
* Clitoral Gland	Duct	Cyst	Minimal
Eye			
Note: One optic nerve missing.			
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Moderate
* Liver		Carcinoma	Metastatic (Pancreas)
		Cholangiocarcinoma	Multiple
		Cholangiofibrosis	Mild
	Bile Duct	Cyst	Mild
		Eosinophilic Focus	Multiple
		Fatty Change	Diffuse, Minimal
	Bile Duct	Hyperplasia	Mild
	Oval Cell	Hyperplasia	Mild
	Hepatocyte	Hypertrophy	Moderate
		Inflammation	Minimal
	Hepatocyte	Multinucleated	Mild
		Pigmentation	Mild
		Toxic Hepatopathy	Moderate

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 601	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 732
	DOSE: 100 NG/KG	**DISP:** Terminal Sacrifice	**HISTO:** 2002611

ORGAN AND ACCOUNTABLE SITE STATUS

[Carcinoma TGLS = 2,3-6+7+13]			
* Lung		Carcinoma	Metastatic (Pancreas)
		Infiltration Cellular	Histiocyte, Mild
	Alveolar Epith	Metaplasia	Bronchiolar, Mild
Lymph Node	Deep Cervical	Lymphoma Malignant	
[Lymphoma Malignant TGLS = 4-12]			
* Lymph Node, Mandibular		Ectasia	Mild
* Ovary		Cyst	Mild
[Cyst TGLS = 1-10]			
* Pancreas	Acinus	Carcinoma	
	Acinus	Vacuolization Cytoplasmic	Mild
[Carcinoma TGLS = 5-11]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Spleen		Hematopoietic Cell Proliferation	Mild
		Hyperplasia	Lymphoid, Mild
		Pigmentation	Minimal
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Minimal
	Follicular Cel	Hypertrophy	Minimal
Tooth	Peridont Tiss	Inflammation	Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 602	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 647
	DOSE: 100 NG/KG	**DISP:** Moribund Sacrifice	**HISTO:** 2002612

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
		Hypertrophy	Mild
		Vacuolization Cytoplasmic	Mild
* Clitoral Gland	Duct	Cyst	Moderate
		Inflammation	Minimal
* Kidney		Mineralization	Minimal
		Nephropathy	Mild
* Liver		Cholangiofibrosis	Mild
		Fatty Change	Diffuse, Mild
	Bile Duct	Hyperplasia	Mild
	Oval Cell	Hyperplasia	Mild
		Hyperplasia	Nodular
	Hepatocyte	Hypertrophy	Moderate
		Inflammation	Minimal
		Mixed Cell Focus	Multiple
	Hepatocyte	Multinucleated	Minimal
		Pigmentation	Mild
		Toxic Hepatopathy	Moderate
[Hyperplasia TGLS = 2-11]			
[Mixed Cell Focus TGLS = 1-6+7]			
* Lung		Infiltration Cellular	Histiocyte, Mild
	Alveolar Epith	Metaplasia	Bronchiolar, Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 602	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 647
	DOSE: 100 NG/KG	**DISP:** Moribund Sacrifice	**HISTO:** 2002612

ORGAN AND ACCOUNTABLE SITE STATUS

* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Mild
* Mammary Gland		Inflammation	Granulomatous, Moderate
* Ovary		Atrophy	Marked
* Pancreas	Acinus	Vacuolization Cytoplasmic	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Moderate
[Adenoma TGLS = 3-8]			
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Mild
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal
Tooth	Peridont Tiss	Inflammation	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
		Polyp Stromal	

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 603	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 733
	DOSE: 100 NG/KG	**DISP:** Terminal Sacrifice	**HISTO:** 2002613

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Brain	* Esophagus	Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder		

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex		Atrophy	Mild
		Degeneration	Cystic, Mild
		Hyperplasia	Mild
		Hypertrophy	Moderate
		Vacuolization Cytoplasmic	Mild
* Adrenal Medulla		Hyperplasia	Moderate
* Bone		Fracture	
[Fracture TGLS = 10-2]			
* Bone Marrow		Hyperplasia	Mild
* Clitoral Gland	Duct	Cyst	Mild
		Inflammation	Minimal
Eye	Retina	Atrophy	Moderate
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Moderate
[Nephropathy TGLS = 8-5]			
* Liver		Angiectasis	Mild
		Cholangiocarcinoma	Multiple
		Cholangiofibrosis	Moderate
	Bile Duct	Cyst	Moderate
		Eosinophilic Focus	Multiple
		Fatty Change	Diffuse, Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 603	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 733
	DOSE: 100 NG/KG	**DISP:** Terminal Sacrifice	**HISTO:** 2002613

ORGAN AND ACCOUNTABLE SITE STATUS

	Portal	Fibrosis	Mild
		Hepatocholangioma	
	Bile Duct	Hyperplasia	Moderate
	Oval Cell	Hyperplasia	Moderate
		Hyperplasia	Nodular
	Hepatocyte	Hypertrophy	Moderate
		Inflammation	Minimal
	Hepatocyte	Multinucleated	Mild
		Necrosis	Moderate
		Pigmentation	Mild
		Toxic Hepatopathy	Marked
[Cholangiofibrosis TGLS = 6-6]			
[Eosinophilic Focus TGLS = 7-6+7]			
[Hepatocholangioma TGLS = 6-7]			
[Hyperplasia TGLS = 4,5-12+13]			
* Lung		Infiltration Cellular	Histiocyte, Mild
	Alveolar Epith	Metaplasia	Bronchiolar, Moderate
[Infiltration Cellular TGLS = 9-3+4]			
Lymph Node	Inguinal	Lymphoma Malignant	
[Lymphoma Malignant TGLS = 1-11]			
Oral Mucosa	Gingival	Hyperplasia	Squamous, Mild
Note: The hyperplastic oral mucosa formed cavities with the adjacent tooth that contained keratin.			
* Ovary		Atrophy	Marked
		Cyst	Moderate
[Cyst TGLS = 3-10]			
* Pancreas	Acinus	Vacuolization Cytoplasmic	Mild
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Minimal
* Thymus		Atrophy	Marked
* Thyroid Gland	Bilateral, C Cell	Adenoma	
Tooth	Peridont Tiss	Inflammation	Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 603	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 733
	DOSE: 100 NG/KG	**DISP:** Terminal Sacrifice	**HISTO:** 2002613

ORGAN AND ACCOUNTABLE SITE STATUS

* Uterus	Endometrium	Hyperplasia	Cystic, Moderate
		Polyp Stromal	
[Polyp Stromal TGLS = 2-10]			
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 604	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 673
	DOSE: 100 NG/KG	**DISP:** Natural Death	**HISTO:** 2002614

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Thymus

AUTO PRECLUDES DIAG.

* Pancreas

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Moderate
* Adrenal Medulla		Pheochromocytoma Benign	
* Bone Marrow		Hyperplasia	Mild
* Clitoral Gland	Duct	Cyst	Mild
Eye			
Note: Both optic nerves missing.			
* Heart		Cardiomyopathy	Mild
* Kidney		Inflammation	Suppurative, Moderate
		Mineralization	Mild
		Nephropathy	Mild
* Liver		Eosinophilic Focus	
		Fatty Change	Diffuse, Mild
	Portal	Fibrosis	Minimal
	Bile Duct	Hyperplasia	Mild
	Oval Cell	Hyperplasia	Mild
		Hyperplasia	Nodular
	Hepatocyte	Hypertrophy	Moderate
	Artery	Inflammation	Chronic Active, Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 604	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 673
	DOSE: 100 NG/KG	**DISP:** Natural Death	**HISTO:** 2002614

ORGAN AND ACCOUNTABLE SITE STATUS

		Inflammation	Minimal
	Hepatocyte	Multinucleated	Mild
		Necrosis	Marked
		Pigmentation	Mild
		Toxic Hepatopathy	Moderate
[Hyperplasia TGLS = 2,3-13+14]			
[Necrosis TGLS = 4,5-6+7+15]			
* Lung		Cystic Keratinizing Epithelioma	
		Infiltration Cellular	Histiocyte, Mild
	Alveolar Epith	Metaplasia	Bronchiolar, Minimal
		Mineralization	Mild
[Cystic Keratinizing Epithelioma TGLS = 6-3]			
[Infiltration Cellular TGLS = 7-3+4]			
Lymph Node	Mediastinal	Hemorrhage	Mild
[Hemorrhage TGLS = 8-11]			
Mesentery	Artery	Inflammation	Chronic Active, Moderate
[Inflammation TGLS = 9-12]			
Oral Mucosa	Gingival	Hyperplasia	Squamous, Mild
Note: The hyperplastic mucosa was adjacent to a tooth and had formed a keratin-filled cavity.			
* Ovary	Artery	Inflammation	Chronic Active, Moderate
[Inflammation TGLS = 1-11]			
* Spleen		Pigmentation	Mild
* Thyroid Gland		Cyst	Mild
* Uterus		Metaplasia	Squamous, Mild
PRIMARY CAUSE OF DEATH	- Liver Necrosis		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 605	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 95
	DOSE: 100 NG/KG	**DISP:** Scheduled Sacrifice	**HISTO:** 2002615

***** NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 606	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 598
	DOSE: 100 NG/KG	**DISP:** Moribund Sacrifice	**HISTO:** 2002616

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Esophagus	Eye	Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Nose
* Parathyroid Gland	* Skin	* Stomach, Glandular	* Trachea
* Urinary Bladder			

MISSING

* Thymus

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Mild
* Bone Marrow		Hyperplasia	Moderate
* Clitoral Gland	Duct	Cyst	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Cyst	Mild
		Mineralization	Minimal
		Nephropathy	Mild
[Nephropathy TGLS = 5-5]			
* Liver		Eosinophilic Focus	Multiple
		Fatty Change	Diffuse, Mild
	Bile Duct	Fibrosis	Mild
	Bile Duct	Hyperplasia	Mild
	Oval Cell	Hyperplasia	Mild
	Hepatocyte	Hypertrophy	Moderate
		Inflammation	Minimal
	Hepatocyte	Multinucleated	Mild
		Pigmentation	Moderate
		Toxic Hepatopathy	Moderate
[Pigmentation TGLS = 6-6+7]			
* Lung		Infiltration Cellular	Histiocyte, Mild
	Alveolar Epith	Metaplasia	Bronchiolar, Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 606	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 598
	DOSE: 100 NG/KG	**DISP:** Moribund Sacrifice	**HISTO:** 2002616

ORGAN AND ACCOUNTABLE SITE STATUS

	Mediastinum	Sarcoma	
Note: The origin or the tumor was thought to be mediastinum although thymus could not be eliminated.			
[Infiltration Cellular TGLS = 8-3+4]			
[Sarcoma TGLS = 7-12]			
Lymph Node	Mediastinal	Hemorrhage	Mild
	Mediastinal	Hyperplasia	Histiocytic, Mild
Note: The hyperplastic histiocytes contained pigment.			
[Hemorrhage TGLS = 10-13]			
[Hyperplasia TGLS = 10-13]			
* Lymph Node, Mesenteric		Hyperplasia	Histiocytic, Mild
[Hyperplasia TGLS = 9-6]			
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-11]			
Oral Mucosa	Gingival	Hyperplasia	Squamous, Mild
* Ovary		Atrophy	Marked
		Cyst	Moderate
[Cyst TGLS = 4-10]			
* Pancreas	Acinus	Atrophy	Moderate
		Inflammation	Chronic Active, Minimal
	Acinus	Vacuolization Cytoplasmic	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Salivary Glands		Inflammation	Moderate
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Minimal
* Stomach, Forestomach		Hyperplasia	Squamous, Minimal
		Inflammation	Mild
		Ulcer	Moderate
* Thyroid Gland	Follicular Cel	Hypertrophy	Minimal
* Uterus		Inflammation	Chronic Active, Marked
		Metaplasia	Squamous, Moderate
		Polyp Stromal	

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 606	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 598
	DOSE: 100 NG/KG	**DISP:** Moribund Sacrifice	**HISTO:** 2002616

ORGAN AND ACCOUNTABLE SITE STATUS

[Inflammation TGLS = 2-13]
[Polyp Stromal TGLS = 3-13]

PRIMARY CAUSE OF DEATH	- Mammary Gland Fibroadenoma
CONTRIBUTORY CAUSE OF DEATH	- Lung Mediastinum Sarcoma

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 607	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 95
	DOSE: 100 NG/KG	**DISP:** Scheduled Sacrifice	**HISTO:** 2002617

***** NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 608	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 731
	DOSE: 100 NG/KG	**DISP:** Terminal Sacrifice	**HISTO:** 2002618

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Mild
* Bone Marrow		Hyperplasia	Moderate
* Clitoral Gland	Duct	Cyst	Minimal
		Inflammation	Mild
Eye			
Note: Both optic nerves missing.			
* Heart		Cardiomyopathy	Minimal
* Kidney	Transit Epithe	Hyperplasia	Minimal
		Nephropathy	Minimal
* Liver	Bile Duct	Cyst	Marked
		Fatty Change	Diffuse, Minimal
	Bile Duct	Hyperplasia	Minimal
	Oval Cell	Hyperplasia	Minimal
		Hyperplasia	Nodular
	Hepatocyte	Hypertrophy	Mild
	Hepatocyte	Multinucleated	Mild
		Pigmentation	Mild
		Thrombosis	Moderate
		Toxic Hepatopathy	Moderate
[Hyperplasia TGLS = 2,3,4,6-6+7+12+13+14]			
* Lung			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 608	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 731
	DOSE: 100 NG/KG	**DISP:** Terminal Sacrifice	**HISTO:** 2002618

ORGAN AND ACCOUNTABLE SITE STATUS

Note: Left lung frozen for NTP.			
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-11]			
* Nose	Septum	Hyperplasia	Squamous, Mild
	Turbinate	Hyperplasia	Squamous, Mild
	Septum	Inflammation	Moderate
		Inflammation	Moderate
* Ovary		Atrophy	Marked
* Pancreas	Acinus	Vacuolization Cytoplasmic	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Mild
[Adenoma TGLS = 5-8]			
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Minimal
* Thymus		Atrophy	Marked
* Thyroid Gland	Follicular Cel	Hypertrophy	Minimal
Tooth	Peridont Tiss	Inflammation	Mild
* Urin Bladder			
Note: Two polyp-like structures were present in the mucosa.			
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate
		Polyp Stromal	
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 609	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 638
	DOSE: 100 NG/KG	**DISP:** Moribund Sacrifice	**HISTO:** 2002619

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex		Atrophy	Moderate
		Degeneration	Cystic, Mild
		Hypertrophy	Moderate
Note: One adrenal atrophic.			
* Bone Marrow		Hyperplasia	Marked
* Clitoral Gland	Duct	Cyst	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Minimal
		Nephropathy	Moderate
* Liver		Cholangiocarcinoma	Multiple
		Cholangiofibrosis	Moderate
		Eosinophilic Focus	Multiple
		Hepatocholangioma	
	Bile Duct	Hyperplasia	Moderate
	Oval Cell	Hyperplasia	Moderate
	Hepatocyte	Hypertrophy	Marked
		Inflammation	Mild
	Hepatocyte	Multinucleated	Moderate
		Necrosis	Moderate
		Pigmentation	Mild
		Toxic Hepatopathy	Marked

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 609	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 638
	DOSE: 100 NG/KG	**DISP:** Moribund Sacrifice	**HISTO:** 2002619

ORGAN AND ACCOUNTABLE SITE STATUS

[Cholangiocarcinoma TGLS = 2,4-11+12]			
[Eosinophilic Focus TGLS = 3-6+7]			
[Hepatocholangioma TGLS = 5-13]			
* Lung		Infiltration Cellular	Histiocyte, Mild
	Alveolar Epith	Metaplasia	Bronchiolar, Moderate
[Infiltration Cellular TGLS = 7-3+4]			
Mesentery	Artery	Inflammation	Chronic Active, Marked
[Inflammation TGLS = 6-15]			
* Nose	Nasopharyn Dct	Inflammation	Marked
	Septum	Inflammation	Marked
		Inflammation	Marked
Oral Mucosa	Gingival	Hyperplasia	Squamous, Mild
* Ovary		Atrophy	Marked
* Pancreas	Artery	Inflammation	Chronic Active, Minimal
	Acinus	Vacuolization Cytoplasmic	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Stomach, Forestomach		Hyperplasia	Squamous, Minimal
* Thymus		Atrophy	Moderate
* Thyroid Gland	Follicular Cel	Hypertrophy	Minimal
Tooth	Peridont Tiss	Inflammation	Moderate
* Uterus		Inflammation	Suppurative, Moderate
		Metaplasia	Squamous, Moderate
		Polyp Stromal	
[Polyp Stromal TGLS = 1-14]			

PRIMARY CAUSE OF DEATH	- Liver Necrosis
CONTRIBUTORY CAUSE OF DEATH	- Kidney Nephropathy;Liver Cholangiocarcinoma;Liver Hepatocholangioma;Mesentery Artery Inflammation;Uterus Polyp Stromal

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 610	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 95
	DOSE: 100 NG/KG	**DISP:** Scheduled Sacrifice	**HISTO:** 2002620

***** NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 611	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 369
	DOSE: 100 NG/KG	**DISP:** Scheduled Sacrifice	**HISTO:** 2002621

***** NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 612	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 723
	DOSE: 100 NG/KG	**DISP:** Natural Death	**HISTO:** 2002622

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Mild
* Bone Marrow		Hyperplasia	Moderate
* Clitoral Gland	Duct	Cyst	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Cholangiocarcinoma	Multiple
		Cholangiofibrosis	Moderate
	Bile Duct	Cyst	Moderate
		Eosinophilic Focus	Multiple
		Fatty Change	Diffuse, Mild
	Portal	Fibrosis	Mild
		Hepatocellular Adenoma	Multiple
	Bile Duct	Hyperplasia	Mild
	Oval Cell	Hyperplasia	Mild
		Hyperplasia	Nodular
	Hepatocyte	Hypertrophy	Moderate
		Inflammation	Mild
	Hepatocyte	Multinucleated	Minimal
		Necrosis	Moderate
		Pigmentation	Moderate

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 612	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 723
	DOSE: 100 NG/KG	**DISP:** Natural Death	**HISTO:** 2002622

ORGAN AND ACCOUNTABLE SITE STATUS

		Toxic Hepatopathy	Marked
[Cholangiocarcinoma TGLS = 6-13]			
[Hepatocellular Adenoma TGLS = 3,7-11]			
[Hyperplasia TGLS = 3,7-13]			
[Necrosis TGLS = 2-6+7+11+12+13]			
* Lung		Infiltration Cellular	Histiocyte, Mild
	Alveolar Epith	Metaplasia	Bronchiolar, Moderate
Note: A basophilic material was prominent in alveoli with alveolar histiocytosis.			
[Infiltration Cellular TGLS = 5-3+4]			
* Ovary		Atrophy	Marked
* Pancreas	Acinus	Vacuolization Cytoplasmic	Mild
* Spleen		Pigmentation	Mild
* Thymus		Atrophy	Marked
* Uterus	Endometrium	Hyperplasia	Cystic, Marked
		Inflammation	Suppurative, Mild
Note: The lumen was filled with an eosinophilic material containing scattered inflammatory cells.			
[Hyperplasia TGLS = 1-10]			

PRIMARY CAUSE OF DEATH	-
CONTRIBUTORY CAUSE OF DEATH	- Liver Necrosis

Animal Note: TGL 4 = NO CORRELATING LESION

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 613	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 731
	DOSE: 100 NG/KG	**DISP:** Terminal Sacrifice	**HISTO:** 2002623

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Moderate
		Hypertrophy	Mild
* Clitoral Gland	Duct	Cyst	Moderate
		Inflammation	Minimal
[Cyst TGLS = 1-10]			
Eye			
Note: One optic nerve missing.			
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Minimal
		Nephropathy	Moderate
* Liver	Bile Duct	Cyst	Moderate
		Eosinophilic Focus	Multiple
		Fatty Change	Diffuse, Mild
	Bile Duct	Hyperplasia	Mild
	Oval Cell	Hyperplasia	Mild
	Hepatocyte	Hypertrophy	Moderate
		Inflammation	Minimal
		Mixed Cell Focus	Multiple
	Hepatocyte	Multinucleated	Minimal
		Pigmentation	Mild
		Toxic Hepatopathy	Moderate
[Cyst TGLS = 3-6]			
[Eosinophilic Focus TGLS = 4-6+7+13]			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 613	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 731
	DOSE: 100 NG/KG	**DISP:** Terminal Sacrifice	**HISTO:** 2002623

ORGAN AND ACCOUNTABLE SITE STATUS

[Mixed Cell Focus TGLS = 4,5-6+7+13+14]			
* Lung		Infiltration Cellular	Histiocyte, Mild
	Alveolar Epith	Metaplasia	Bronchiolar, Minimal
Note: Left lung frozen for NTP.			
[Infiltration Cellular TGLS = 6-4]			
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Mild
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 2-12]			
Mesentery	Artery	Inflammation	Chronic Active, Moderate
Oral Mucosa	Gingival	Hyperplasia	Squamous, Mild
* Ovary		Atrophy	Marked
* Pancreas	Acinus	Atrophy	Moderate
	Artery	Inflammation	Chronic Active, Moderate
		Inflammation	Chronic Active, Mild
	Acinus	Vacuolization Cytoplasmic	Mild
[Inflammation TGLS = 7-11]			
* Pituitary Gland	Pars Intermed	Hyperplasia	Moderate
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Minimal
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Adenoma	
	C Cell	Hyperplasia	Mild
* Uterus		Metaplasia	Squamous, Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 614	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 599
	DOSE: 100 NG/KG	**DISP:** Natural Death	**HISTO:** 2002624

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Minimal
		Hyperplasia	Mild
		Hypertrophy	Mild
		Vacuolization Cytoplasmic	Mild
* Bone Marrow		Hyperplasia	Moderate
* Clitoral Gland	Duct	Cyst	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Casts Protein	Minimal
	Transit Epithe	Hyperplasia	Minimal
* Liver		Eosinophilic Focus	Multiple
		Fatty Change	Diffuse, Minimal
	Portal	Fibrosis	Minimal
		Hematopoietic Cell Proliferation	Mild
	Bile Duct	Hyperplasia	Mild
	Oval Cell	Hyperplasia	Minimal
	Hepatocyte	Hypertrophy	Moderate
		Inflammation	Minimal
	Hepatocyte	Multinucleated	Mild
		Necrosis	Mild
		Pigmentation	Moderate
		Toxic Hepatopathy	Moderate

[Eosinophilic Focus TGLS = 2,5-6+7]

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 614	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 599
	DOSE: 100 NG/KG	**DISP:** Natural Death	**HISTO:** 2002624

ORGAN AND ACCOUNTABLE SITE STATUS

* Lung		Infiltration Cellular	Histiocyte, Mild
[Infiltration Cellular TGLS = 3-3+4]			
* Ovary		Atrophy	Marked
		Cyst	Moderate
[Cyst TGLS = 4-10]			
* Pancreas	Acinus	Atrophy	Mild
		Inflammation	Chronic Active, Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Skin		Schwannoma Malignant	
[Schwannoma Malignant TGLS = 1-11]			
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Minimal
* Thymus		Atrophy	Marked
Tooth	Peridont Tiss	Inflammation	Minimal
PRIMARY CAUSE OF DEATH	- Skin Schwannoma Malignant		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 615	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 731
	DOSE: 100 NG/KG	**DISP:** Terminal Sacrifice	**HISTO:** 2002625

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Esophagus	Eye	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mesenteric	* Ovary	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Glandular
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Atrophy	Mild
		Hyperplasia	Moderate
		Hypertrophy	Mild
		Vacuolization Cytoplasmic	Mild
* Bone Marrow		Hyperplasia	Mild
* Clitoral Gland	Duct	Cyst	Mild
		Inflammation	Minimal
Eye			
Note: One optic nerve missing.			
Harderian Gland		Inflammation	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney	Transit Epithe	Hyperplasia	Minimal
		Mineralization	Minimal
		Nephropathy	Moderate
* Liver		Cholangiocarcinoma	
		Cholangiofibrosis	Moderate
		Clear Cell Focus	
	Bile Duct	Cyst	Mild
		Degeneration	Cystic, Moderate
		Eosinophilic Focus	Multiple
		Fatty Change	Diffuse, Mild
	Portal	Fibrosis	Mild
		Hepatocellular Adenoma	

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 615	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 731
	DOSE: 100 NG/KG	**DISP:** Terminal Sacrifice	**HISTO:** 2002625

ORGAN AND ACCOUNTABLE SITE STATUS

	Bile Duct	Hyperplasia	Mild
	Oval Cell	Hyperplasia	Moderate
		Hyperplasia	Nodular
	Hepatocyte	Hypertrophy	Moderate
		Inflammation	Moderate
		Mixed Cell Focus	Multiple
	Hepatocyte	Multinucleated	Mild
		Pigmentation	Mild
		Toxic Hepatopathy	Moderate
[Cholangiocarcinoma TGLS = 5-15]			
[Eosinophilic Focus TGLS = 2,4,6-6+7+12+13]			
[Hepatocellular Adenoma TGLS = 6-7]			
[Hyperplasia TGLS = 3-14]			
[Mixed Cell Focus TGLS = 6-6+7]			
* Lung		Infiltration Cellular	Histiocyte, Mild
	Alveolar Epith	Metaplasia	Bronchiolar, Mild
Note: Left lung frozen for NTP.			
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Moderate
* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 1-11]			
* Nose		Inflammation	Mild
Oral Mucosa	Gingival	Hyperplasia	Squamous, Minimal
* Pancreas	Acinus	Vacuolization Cytoplasmic	Moderate
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Minimal
* Stomach, Forestomach		Squamous Cell Papilloma	
[Squamous Cell Papilloma TGLS = 7-16]			
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Adenoma	
		Angiectasis	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 615	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 731
	DOSE: 100 NG/KG	**DISP:** Terminal Sacrifice	**HISTO:** 2002625

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH	-

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 616	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 655
	DOSE: 100 NG/KG	**DISP:** Moribund Sacrifice	**HISTO:** 2002626

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Moderate
		Atrophy	Marked
		Degeneration	Cystic, Moderate
		Hypertrophy	Marked
Note: One adrenal atrophic.			
[Hypertrophy TGLS = 1-8]			
* Clitoral Gland	Duct	Cyst	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Minimal
		Nephropathy	Mild
* Liver		Cholangiocarcinoma	Multiple
		Cholangiofibrosis	Mild
		Eosinophilic Focus	Multiple
		Fatty Change	Diffuse, Moderate
	Portal	Fibrosis	Mild
	Bile Duct	Hyperplasia	Mild
	Oval Cell	Hyperplasia	Moderate
	Hepatocyte	Hypertrophy	Moderate
		Inflammation	Mild
		Mixed Cell Focus	
	Hepatocyte	Multinucleated	Minimal
		Necrosis	Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 616	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 655
	DOSE: 100 NG/KG	**DISP:** Moribund Sacrifice	**HISTO:** 2002626

ORGAN AND ACCOUNTABLE SITE STATUS

		Pigmentation	Mild
		Toxic Hepatopathy	Marked
[Cholangiocarcinoma TGLS = 5,6,7,8-7+12]			
[Mixed Cell Focus TGLS = 4-6]			
* Lung		Infiltration Cellular	Histiocyte, Mild
	Alveolar Epith	Metaplasia	Bronchiolar, Minimal
[Infiltration Cellular TGLS = 3-3+4]			
* Lymph Node, Mesenteric		Ectasia	Mild
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 2-11]			
Oral Mucosa	Gingival	Squamous Cell Carcinoma	
[Squamous Cell Carcinoma TGLS = 9-1]			
* Ovary		Atrophy	Marked
* Pancreas	Acinus	Vacuolization Cytoplasmic	Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Mild
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Mild
	Follicular Cel	Hypertrophy	Minimal
PRIMARY CAUSE OF DEATH	- Liver Cholangiocarcinoma		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 617	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 731
	DOSE: 100 NG/KG	**DISP:** Terminal Sacrifice	**HISTO:** 2002627

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Esophagus	Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mesenteric	* Nose	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Trachea			

OBSERVATIONS

* Adrenal Cortex		Atrophy	Moderate
		Degeneration	Cystic, Moderate
		Hyperplasia	Moderate
		Hypertrophy	Mild
Note: One adrenal atrophic.			
* Clitoral Gland	Duct	Cyst	Mild
		Inflammation	Minimal
Eye	Retina	Atrophy	Mild
* Heart		Cardiomyopathy	Minimal
* Intestine Large, Colon		Parasite Metazoan	
* Kidney	Transit Epithe	Hyperplasia	Marked
	Pelvis	Inflammation	Moderate
		Nephropathy	Moderate
Note: Bacteria were present in the pelvis.			
* Liver	Bile Duct	Cyst	Mild
	Centrilobular	Degeneration	Minimal
		Eosinophilic Focus	Multiple
		Fatty Change	Diffuse, Mild
	Bile Duct	Hyperplasia	Mild
	Oval Cell	Hyperplasia	Moderate
		Hyperplasia	Nodular
	Hepatocyte	Hypertrophy	Moderate
		Inflammation	Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 617	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 731
	DOSE: 100 NG/KG	**DISP:** Terminal Sacrifice	**HISTO:** 2002627

ORGAN AND ACCOUNTABLE SITE STATUS

		Mixed Cell Focus	Multiple
	Hepatocyte	Multinucleated	Mild
		Pigmentation	Moderate
		Toxic Hepatopathy	Marked
[Eosinophilic Focus TGLS = 4-6+7+13]			
[Hyperplasia TGLS = 2,3-6+7+12+13]			
[Mixed Cell Focus TGLS = 5-6+7+13]			
* Lung		Infiltration Cellular	Histiocyte, Moderate
	Alveolar Epith	Metaplasia	Bronchiolar, Mild
Note: Left lung frozen for NTP.			
[Infiltration Cellular TGLS = 6-4]			
* Lymph Node, Mandibular		Ectasia	Mild
		Hyperplasia	Plasma Cell, Mild
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-11]			
Oral Mucosa	Gingival	Hyperplasia	Squamous, Marked
* Ovary		Atrophy	Marked
		Cyst	Mild
* Pancreas	Acinus	Vacuolization Cytoplasmic	Minimal
* Pituitary Gland		Adenoma	
		Angiectasis	Moderate
[Adenoma TGLS = 7-8]			
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Mild
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Adenoma	
	Follicular Cel	Hypertrophy	Minimal
Tooth	Peridont Tiss	Inflammation	Mild
* Urinary Bladder	Transit Epithe	Hyperplasia	Mild
		Inflammation	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 617	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 731
	DOSE: 100 NG/KG	**DISP:** Terminal Sacrifice	**HISTO:** 2002627

ORGAN AND ACCOUNTABLE SITE STATUS

	Inflammation	Suppurative, Moderate
PRIMARY CAUSE OF DEATH -		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 618	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 732
	DOSE: 100 NG/KG	**DISP:** Terminal Sacrifice	**HISTO:** 2002628

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Mild
		Hyperplasia	Mild
		Hypertrophy	Mild
		Vacuolization Cytoplasmic	Mild
* Clitoral Gland	Duct	Cyst	Moderate
		Inflammation	Minimal
* Heart		Cardiomyopathy	Minimal
	Artery	Thrombosis	Mild
* Intestine Small, Duodenum		Cyst	Mild
* Kidney		Mineralization	Minimal
		Nephropathy	Mild
* Liver		Cholangiofibrosis	Mild
		Eosinophilic Focus	Multiple
		Fatty Change	Diffuse, Mild
	Bile Duct	Fibrosis	Mild
	Bile Duct	Hyperplasia	Mild
	Oval Cell	Hyperplasia	Mild
	Hepatocyte	Hypertrophy	Moderate
	Hepatocyte	Multinucleated	Mild
		Pigmentation	Moderate
		Toxic Hepatopathy	Marked

[Eosinophilic Focus TGLS = 3-6+7]
[Fatty Change TGLS = 2-12]

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 618	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 732
	DOSE: 100 NG/KG	**DISP:** Terminal Sacrifice	**HISTO:** 2002628

ORGAN AND ACCOUNTABLE SITE STATUS

* Lung		Infiltration Cellular	Histiocyte, Mild
	Alveolar Epith	Metaplasia	Bronchiolar, Moderate
[Infiltration Cellular TGLS = 4-3+4]			
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Mild
* Nose	Olfactory Epi	Inflammation	Mild
Oral Mucosa	Gingival	Squamous Cell Carcinoma	
Note: The squamous cell carcinoma arose from the oral mucosa over the hard palate. The tumor extended into the nasopharynx resulting in exudate in the nasal passages.			
[Squamous Cell Carcinoma TGLS = 5-11]			
* Ovary		Atrophy	Marked
* Pancreas	Acinus	Vacuolization Cytoplasmic	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Spleen		Pigmentation	Mild
* Thymus		Atrophy	Marked
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
		Metaplasia	Squamous, Mild
		Polyp Stromal	

PRIMARY CAUSE OF DEATH -

Animal Note: TGL 1 = NO CORRELATING LESION

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 619	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 214
	DOSE: 100 NG/KG	**DISP:** Scheduled Sacrifice	**HISTO:** 2002629

***** NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 620	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 369
	DOSE: 100 NG/KG	**DISP:** Scheduled Sacrifice	**HISTO:** 2002630

***** NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 621	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 94
	DOSE: 100 NG/KG	**DISP:** Scheduled Sacrifice	**HISTO:** 2002631

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
* Adrenal Cortex	* Adrenal Medulla	* Islets, Pancreatic	* Lung
* Mammary Gland	* Pancreas	* Pituitary Gland	* Stomach, Forestomach
* Stomach, Glandular	Vagina		
OBSERVATIONS			
* Liver	Hepatocyte	Hypertrophy	Mild
		Inflammation	Minimal
* Ovary		Atrophy	Moderate
* Spleen		Pigmentation	Minimal
* Thymus		Atrophy	Minimal
* Thyroid Gland	Follicular Cel	Hypertrophy	Moderate
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 622	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 94
	DOSE: 100 NG/KG	**DISP:** Scheduled Sacrifice	**HISTO:** 2002632

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
* Adrenal Cortex	* Adrenal Medulla	* Islets, Pancreatic	* Lung
* Mammary Gland	* Ovary	* Pancreas	* Pituitary Gland
* Stomach, Forestomach	* Stomach, Glandular	* Uterus	Vagina
OBSERVATIONS			
* Liver		Fatty Change	Diffuse, Minimal
	Hepatocyte	Hypertrophy	Mild
		Inflammation	Minimal
* Spleen		Pigmentation	Mild
* Thymus		Atrophy	Mild
* Thyroid Gland	Follicular Cel	Hypertrophy	Moderate
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 623	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 94
	DOSE: 100 NG/KG	**DISP:** Scheduled Sacrifice	**HISTO:** 2002633

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
* Adrenal Cortex	* Adrenal Medulla	* Islets, Pancreatic	* Lung
* Mammary Gland	* Ovary	* Pituitary Gland	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Uterus	Vagina
OBSERVATIONS			
* Liver	Hepatocyte	Hypertrophy	Marked
		Inflammation	Minimal
		Mixed Cell Focus	
	Hepatocyte	Multinucleated	Minimal
* Pancreas	Acinus	Atrophy	Minimal
		Inflammation	Chronic Active, Minimal
* Spleen		Pigmentation	Minimal
* Thymus		Atrophy	Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 624	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 94
	DOSE: 100 NG/KG	**DISP:** Scheduled Sacrifice	**HISTO:** 2002634

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
* Adrenal Cortex	* Adrenal Medulla	* Islets, Pancreatic	* Lung
* Mammary Gland	* Ovary	* Pancreas	* Pituitary Gland
* Stomach, Forestomach	* Stomach, Glandular	Vagina	
OBSERVATIONS			
* Liver	Hepatocyte	Hypertrophy	Mild
		Inflammation	Minimal
* Spleen		Pigmentation	Minimal
* Thymus		Atrophy	Minimal
* Thyroid Gland	Follicular Cel	Hypertrophy	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Marked
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 625	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 94
	DOSE: 100 NG/KG	**DISP:** Scheduled Sacrifice	**HISTO:** 2002635

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
* Adrenal Cortex	* Adrenal Medulla	* Islets, Pancreatic	* Lung
* Mammary Gland	* Ovary	* Pancreas	* Pituitary Gland
* Stomach, Forestomach	* Stomach, Glandular	Vagina	
OBSERVATIONS			
* Liver	Hepatocyte	Hypertrophy	Mild
		Inflammation	Minimal
* Spleen		Pigmentation	Minimal
* Thymus		Atrophy	Mild
* Thyroid Gland	Follicular Cel	Hypertrophy	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Marked
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 626	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 213
	DOSE: 100 NG/KG	**DISP:** Scheduled Sacrifice	**HISTO:** 2002636

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
* Adrenal Medulla	* Islets, Pancreatic	* Lung	* Mammary Gland
* Pituitary Gland	* Stomach, Forestomach	* Stomach, Glandular	* Uterus
Vagina			
OBSERVATIONS			
* Adrenal Cortex		Hypertrophy	Minimal
* Liver		Fatty Change	Diffuse, Minimal
	Hepatocyte	Hypertrophy	Mild
		Inflammation	Mild
		Mixed Cell Focus	
	Hepatocyte	Multinucleated	Mild
		Pigmentation	Mild
		Toxic Hepatopathy	Mild
* Ovary		Atrophy	Marked
* Pancreas	Acinus	Vacuolization Cytoplasmic	Minimal
* Spleen		Pigmentation	Mild
* Thymus		Atrophy	Moderate
* Thyroid Gland	Follicular Cel	Hypertrophy	Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 627	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 213
	DOSE: 100 NG/KG	**DISP:** Scheduled Sacrifice	**HISTO:** 2002637

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
* Adrenal Cortex	* Adrenal Medulla	* Islets, Pancreatic	* Mammary Gland
* Pancreas	* Pituitary Gland	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	Vagina		
OBSERVATIONS			
* Liver	Hepatocyte	Hypertrophy	Moderate
		Inflammation	Mild
		Mixed Cell Focus	Multiple
	Hepatocyte	Multinucleated	Mild
		Necrosis	Minimal
		Pigmentation	Moderate
		Toxic Hepatopathy	Mild
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Ovary		Atrophy	Marked
* Spleen		Pigmentation	Minimal
* Thymus		Atrophy	Moderate
* Uterus		Metaplasia	Squamous, Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 628	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 213
	DOSE: 100 NG/KG	**DISP:** Scheduled Sacrifice	**HISTO:** 2002638

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
* Adrenal Cortex	* Adrenal Medulla	* Islets, Pancreatic	* Lung
* Mammary Gland	* Pancreas	* Pituitary Gland	* Stomach, Forestomach
* Stomach, Glandular	Vagina		
OBSERVATIONS			
* Liver	Hepatocyte	Hypertrophy	Mild
		Inflammation	Mild
		Mixed Cell Focus	
	Hepatocyte	Multinucleated	Moderate
		Pigmentation	Mild
		Toxic Hepatopathy	Mild
* Ovary		Atrophy	Marked
* Spleen		Pigmentation	Minimal
* Thymus		Atrophy	Moderate
* Thyroid Gland	Follicular Cel	Hypertrophy	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Marked
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 629	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 213
	DOSE: 100 NG/KG	**DISP:** Scheduled Sacrifice	**HISTO:** 2002639

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
* Adrenal Cortex	* Adrenal Medulla	* Islets, Pancreatic	* Lung
* Mammary Gland	* Pancreas	* Pituitary Gland	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	Vagina	
OBSERVATIONS			
* Liver		Fatty Change	Diffuse, Minimal
	Hepatocyte	Hypertrophy	Moderate
		Inflammation	Mild
		Mixed Cell Focus	Multiple
	Hepatocyte	Multinucleated	Mild
		Pigmentation	Mild
		Toxic Hepatopathy	Mild
* Ovary		Atrophy	Marked
* Spleen		Pigmentation	Mild
* Thymus		Atrophy	Moderate
* Uterus		Metaplasia	Squamous, Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 630	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 213
	DOSE: 100 NG/KG	**DISP:** Scheduled Sacrifice	**HISTO:** 2002640

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Islets, Pancreatic	* Lung
* Mammary Gland	* Pituitary Gland	* Stomach, Forestomach	* Stomach, Glandular
Vagina			

OBSERVATIONS

* Liver	Bile Duct	Hyperplasia	Mild
	Oval Cell	Hyperplasia	Minimal
	Hepatocyte	Hypertrophy	Marked
		Inflammation	Mild
		Mixed Cell Focus	Multiple
	Hepatocyte	Multinucleated	Mild
		Pigmentation	Mild
		Toxic Hepatopathy	Moderate
* Ovary		Atrophy	Marked
* Pancreas	Acinus	Vacuolization Cytoplasmic	Minimal
* Spleen		Pigmentation	Minimal
* Thymus		Atrophy	Moderate
* Thyroid Gland	Follicular Cel	Hypertrophy	Moderate
* Uterus		Metaplasia	Squamous, Minimal

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 631	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 731
	DOSE: 100 NG/KG	**DISP:** Terminal Sacrifice	**HISTO:** 2002641

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Thymus

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Marked
		Hypertrophy	Mild
		Mineralization	Mild
* Bone Marrow		Hyperplasia	Mild
* Clitoral Gland	Duct	Cyst	Moderate
Eye			
Note: One optic nerve missing.			
* Heart		Cardiomyopathy	Minimal
* Kidney	Transit Epithe	Hyperplasia	Minimal
		Mineralization	Minimal
		Nephropathy	Mild
* Liver		Angiectasis	Moderate
		Basophilic Focus	Multiple
		Cholangiocarcinoma	Multiple
		Cholangiofibrosis	Moderate
	Bile Duct	Cyst	Moderate
		Eosinophilic Focus	Multiple
		Fatty Change	Diffuse, Mild
	Bile Duct	Fibrosis	Mild
		Hepatocellular Adenoma	

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 631	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 731
	DOSE: 100 NG/KG	**DISP:** Terminal Sacrifice	**HISTO:** 2002641

ORGAN AND ACCOUNTABLE SITE STATUS

	Bile Duct	Hyperplasia	Mild
	Oval Cell	Hyperplasia	Mild
		Hyperplasia	Nodular
	Hepatocyte	Hypertrophy	Moderate
		Inflammation	Mild
		Mixed Cell Focus	Multiple
	Hepatocyte	Multinucleated	Mild
		Necrosis	Moderate
		Pigmentation	Mild
		Toxic Hepatopathy	Marked
[Cholangiocarcinoma TGLS = 4-12]			
[Hepatocellular Adenoma TGLS = 3,5,6-11]			
[Hyperplasia TGLS = 3,5,6-6+7+12+13]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
	Alveolar Epith	Metaplasia	Bronchiolar, Minimal
Note: Left lung frozen for NTP.			
* Mammary Gland		Hyperplasia	Minimal
* Ovary		Cyst	Moderate
[Cyst TGLS = 1-10]			
Oviduct		Inflammation	Marked
[Inflammation TGLS = 2-10]			
* Pancreas	Acinus	Vacuolization Cytoplasmic	Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Minimal
* Thyroid Gland	C Cell	Hyperplasia	Mild
* Uterus		Metaplasia	Squamous, Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 632	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 731
	DOSE: 100 NG/KG	**DISP:** Terminal Sacrifice	**HISTO:** 2002642

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mesenteric	* Mammary Gland	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Trachea		

OBSERVATIONS

* Adrenal Cortex		Atrophy	Minimal
		Hyperplasia	Mild
		Hypertrophy	Mild
* Bone Marrow		Hyperplasia	Moderate
* Clitoral Gland	Duct	Cyst	Marked
		Inflammation	Minimal
Eye	Antr Chamber	Inflammation	Suppurative, Marked
	Cornea	Inflammation	Suppurative, Marked
Note: Both optic nerves missing.			
[Inflammation TGLS = 3-00]			
Harderian Gland		Squamous Cell Carcinoma	Metastatic (Oral Mucosa)
* Kidney		Mineralization	Minimal
		Nephropathy	Mild
* Liver		Cholangiocarcinoma	Multiple
		Eosinophilic Focus	Multiple
		Fatty Change	Diffuse, Mild
	Portal	Fibrosis	Mild
	Bile Duct	Hyperplasia	Mild
	Oval Cell	Hyperplasia	Moderate
		Hyperplasia	Nodular
	Hepatocyte	Hypertrophy	Moderate
		Inflammation	Minimal
		Mixed Cell Focus	

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 632	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 731
	DOSE: 100 NG/KG	**DISP:** Terminal Sacrifice	**HISTO:** 2002642

ORGAN AND ACCOUNTABLE SITE STATUS

	Hepatocyte	Multinucleated	Mild
		Pigmentation	Moderate
		Toxic Hepatopathy	Marked
[Cholangiocarcinoma TGLS = 2-11]			
[Eosinophilic Focus TGLS = 1-6+7]			
* Lung		Infiltration Cellular	Histiocyte, Mild
	Alveolar Epith	Metaplasia	Bronchiolar, Mild
Note: Left lung frozen for NTP.			
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Mild
* Nose		Inflammation	Minimal
Oral Mucosa	Gingival	Squamous Cell Carcinoma	
[Squamous Cell Carcinoma TGLS = 4-1]			
* Ovary		Atrophy	Moderate
* Pancreas	Acinus	Vacuolization Cytoplasmic	Moderate
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Mild
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Moderate
	Follicular Cel	Hypertrophy	Minimal
* Urinary Bladder		Inflammation	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 633	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 722
	DOSE: 100 NG/KG	**DISP:** Moribund Sacrifice	**HISTO:** 2002643

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Atrophy	Moderate
		Hypertrophy	Mild
* Adrenal Medulla		Pheochromocytoma Benign	
* Bone Marrow		Hyperplasia	Moderate
Eye			
Note: One optic nerve missing.			
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Minimal
		Nephropathy	Mild
* Liver		Angiectasis	Minimal
		Cholangiofibrosis	Moderate
		Eosinophilic Focus	Multiple
		Fatty Change	Diffuse, Mild
	Bile Duct	Hyperplasia	Mild
	Oval Cell	Hyperplasia	Mild
		Hyperplasia	Nodular
	Hepatocyte	Hypertrophy	Marked
		Inflammation	Minimal
		Mixed Cell Focus	Multiple
	Hepatocyte	Multinucleated	Mild
		Pigmentation	Moderate
		Toxic Hepatopathy	Moderate
[Eosinophilic Focus TGLS = 6-14]			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 633	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 722
	DOSE: 100 NG/KG	**DISP:** Moribund Sacrifice	**HISTO:** 2002643

ORGAN AND ACCOUNTABLE SITE STATUS

[Hyperplasia TGLS = 2-12]			
[Hypertrophy TGLS = 3-6+7+13+14]			
[Mixed Cell Focus TGLS = 5-6+7+13+14]			
* Lung		Infiltration Cellular	Histiocyte, Mild
	Alveolar Epith	Metaplasia	Bronchiolar, Mild
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-11]			
* Ovary		Atrophy	Marked
* Pancreas	Acinus	Vacuolization Cytoplasmic	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Mild
[Adenoma TGLS = 4-8]			
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Minimal
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
		Metaplasia	Squamous, Minimal
		Polyp Stromal	

PRIMARY CAUSE OF DEATH	- Mammary Gland Fibroadenoma
CONTRIBUTORY CAUSE OF DEATH	- Liver Hyperplasia

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 634	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 214
	DOSE: 100 NG/KG	**DISP:** Scheduled Sacrifice	**HISTO:** 2002644

***** NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 635	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 733
	DOSE: 100 NG/KG	**DISP:** Terminal Sacrifice	**HISTO:** 2002645

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Esophagus
Eye	Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mesenteric	* Nose	* Ovary
* Parathyroid Gland	* Salivary Glands	* Stomach, Glandular	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Moderate
		Hyperplasia	Moderate
		Hypertrophy	Moderate
* Bone Marrow		Hyperplasia	Mild
* Brain		Mineralization	Mild
* Clitoral Gland	Duct	Cyst	Moderate
		Inflammation	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Minimal
		Nephropathy	Mild
* Liver		Cholangiocarcinoma	Multiple
		Cholangiofibrosis	Moderate
	Bile Duct	Cyst	Moderate
		Degeneration	Cystic, Mild
		Eosinophilic Focus	Multiple
		Fatty Change	Diffuse, Mild
	Portal	Fibrosis	Mild
		Hepatocellular Adenoma	
	Bile Duct	Hyperplasia	Moderate
	Oval Cell	Hyperplasia	Moderate
		Hyperplasia	Nodular
	Hepatocyte	Hypertrophy	Minimal
		Inflammation	Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 635	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 733
	DOSE: 100 NG/KG	**DISP:** Terminal Sacrifice	**HISTO:** 2002645

ORGAN AND ACCOUNTABLE SITE STATUS

		Mixed Cell Focus	Multiple
	Hepatocyte	Multinucleated	Mild
		Pigmentation	Mild
		Toxic Hepatopathy	Marked
[Cholangiocarcinoma TGLS = 2-12]			
[Eosinophilic Focus TGLS = 10-6+7+12+13+14+15]			
[Hepatocellular Adenoma TGLS = 3,4,5-14]			
[Hyperplasia TGLS = 3,4,5-15]			
[Mixed Cell Focus TGLS = 6-6+7+12+13+14+15]			
* Lung		Cystic Keratinizing Epithelioma	
		Infiltration Cellular	Histiocyte, Mild
	Alveolar Epith	Metaplasia	Bronchiolar, Moderate
[Cystic Keratinizing Epithelioma TGLS = 9-3]			
[Infiltration Cellular TGLS = 7-3+4]			
* Lymph Node, Mandibular		Ectasia	Moderate
[Ectasia TGLS = 8-9]			
* Mammary Gland		Hyperplasia	Minimal
* Pancreas	Acinus	Vacuolization Cytoplasmic	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Skin		Cyst Epithelial Inclusion	
[Cyst Epithelial Inclusion TGLS = 1-11]			
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Minimal
* Stomach, Forestomach		Hyperplasia	Squamous, Minimal
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Moderate
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 636	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 546
	DOSE: 100 NG/KG	**DISP:** Natural Death	**HISTO:** 2002646

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	Eye
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pituitary Gland	* Salivary Glands	* Skin
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Minimal
Eye			
Note: Both optic nerves missing.			
Harderian Gland		Inflammation	Minimal
		Squamous Cell Carcinoma	Metastatic (Oral Mucosa)
* Kidney		Mineralization	Minimal
		Nephropathy	Mild
* Liver		Eosinophilic Focus	Multiple
		Fatty Change	Diffuse, Mild
	Portal	Fibrosis	Mild
	Bile Duct	Hyperplasia	Moderate
	Oval Cell	Hyperplasia	Mild
	Hepatocyte	Hypertrophy	Marked
	Hepatocyte	Multinucleated	Mild
		Pigmentation	Moderate
		Toxic Hepatopathy	Marked
[Fatty Change TGLS = 1-6+7]			
Lymph Node	Mediastinal	Ectasia	Mild
	Mediastinal	Pigmentation	Mild
[Ectasia TGLS = 2-11]			

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 636	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 546
	DOSE: 100 NG/KG	**DISP:** Natural Death	**HISTO:** 2002646

ORGAN AND ACCOUNTABLE SITE STATUS

[Pigmentation TGLS = 2-11]			
Oral Mucosa	Gingival	Squamous Cell Carcinoma	
* Ovary		Atrophy	Marked
* Pancreas	Acinus	Vacuolization Cytoplasmic	Mild
* Spleen		Pigmentation	Mild
* Stomach, Forestomach		Hyperkeratosis	Mild
		Hyperplasia	Squamous, Mild
		Inflammation	Mild
* Thymus		Atrophy	Marked
* Uterus		Metaplasia	Squamous, Mild
PRIMARY CAUSE OF DEATH	- Oral Mucosa Gingival Squamous Cell Carcinoma		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 637	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 733
	DOSE: 100 NG/KG	**DISP:** Terminal Sacrifice	**HISTO:** 2002647

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Atrophy	Mild
		Hyperplasia	Mild
		Hypertrophy	Mild
* Bone Marrow		Hyperplasia	Moderate
* Clitoral Gland	Duct	Cyst	Mild
		Inflammation	Minimal
Eye			
Note: Both optic nerves missing.			
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Moderate
* Liver		Cholangiocarcinoma	Multiple
		Cholangiofibrosis	Moderate
	Bile Duct	Cyst	Moderate
		Eosinophilic Focus	Multiple
		Fatty Change	Focal, Moderate
	Portal	Fibrosis	Mild
		Hepatocellular Adenoma	
	Bile Duct	Hyperplasia	Mild
	Oval Cell	Hyperplasia	Moderate
		Hyperplasia	Nodular
	Hepatocyte	Hypertrophy	Marked
		Inflammation	Minimal

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 637	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 733
	DOSE: 100 NG/KG	**DISP:** Terminal Sacrifice	**HISTO:** 2002647

ORGAN AND ACCOUNTABLE SITE STATUS

	Hepatocyte	Multinucleated	Mild
		Pigmentation	Mild
		Toxic Hepatopathy	Marked
Note: There was one large focus of fatty change with numerous vacuoles, many of which were very fine.			
[Cholangiocarcinoma TGLS = 5,6-13+14]			
[Eosinophilic Focus TGLS = 3-6+7]			
[Hepatocellular Adenoma TGLS = 7-15]			
[Hyperplasia TGLS = 4-11]			
* Lung		Cystic Keratinizing Epithelioma	
		Infiltration Cellular	Histiocyte, Mild
	Alveolar Epith	Metaplasia	Bronchiolar, Mild
[Infiltration Cellular TGLS = 8-3]			
* Lymph Node, Mandibular		Ectasia	Moderate
* Mammary Gland		Adenoma	
		Fibroadenoma	
[Fibroadenoma TGLS = 1-12]			
* Ovary		Cyst	Moderate
[Cyst TGLS = 2-10]			
* Pancreas	Artery	Inflammation	Chronic Active, Minimal
	Acinus	Vacuolization Cytoplasmic	Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Minimal
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 638	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 641
	DOSE: 100 NG/KG	**DISP:** Moribund Sacrifice	**HISTO:** 2002648

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Esophagus
Eye	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mesenteric	* Nose	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Atrophy	Mild
		Degeneration	Cystic, Mild
		Hyperplasia	Mild
		Hypertrophy	Mild
* Bone Marrow		Hyperplasia	Moderate
* Brain	Glial Cell	Hyperplasia	Mild
* Clitoral Gland	Duct	Cyst	Moderate
		Inflammation	Mild
Harderian Gland		Inflammation	Mild
* Kidney	Transit Epithe	Hyperplasia	Minimal
		Mineralization	Minimal
		Nephropathy	Mild
* Liver		Carcinoma	Metastatic (Pancreas)
		Cholangiocarcinoma	Multiple
		Cholangiofibrosis	Moderate
	Bile Duct	Cyst	Mild
		Eosinophilic Focus	Multiple
		Fatty Change	Diffuse, Minimal
	Portal	Fibrosis	Mild
	Bile Duct	Hyperplasia	Mild
	Oval Cell	Hyperplasia	Mild
		Hyperplasia	Nodular
	Hepatocyte	Hypertrophy	Moderate

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 638	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 641
	DOSE: 100 NG/KG	**DISP:** Moribund Sacrifice	**HISTO:** 2002648

ORGAN AND ACCOUNTABLE SITE STATUS

		Inflammation	Mild
	Hepatocyte	Multinucleated	Mild
		Pigmentation	Mild
		Toxic Hepatopathy	Moderate
[Carcinoma TGLS = 3,4-14+16]			
[Eosinophilic Focus TGLS = 5-6+7]			
[Hyperplasia TGLS = 3-13]			
* Lung		Infiltration Cellular	Histiocyte, Mild
	Alveolar Epith	Metaplasia	Bronchiolar, Mild
[Infiltration Cellular TGLS = 7-3+4]			
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Mild
* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 1,2-11+12]			
Oral Mucosa	Gingival	Hyperplasia	Squamous, Minimal
* Ovary		Atrophy	Marked
* Pancreas	Acinus	Atrophy	Moderate
	Acinus	Carcinoma	
		Inflammation	Chronic Active, Mild
[Carcinoma TGLS = 6-15]			
* Pituitary Gland	Pars Distalis	Adenoma	
* Spleen		Hematopoietic Cell Proliferation	Mild
		Hyperplasia	Lymphoid, Mild
		Pigmentation	Mild
* Stomach, Forestomach		Hyperkeratosis	Mild
		Hyperplasia	Squamous, Mild
[Hyperplasia TGLS = 8-6]			
* Thymus		Atrophy	Marked
Tooth	Peridont Tiss	Inflammation	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
		Metaplasia	Squamous, Minimal

PRIMARY CAUSE OF DEATH - Pancreas Acinus Carcinoma

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 638	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 641
	DOSE: 100 NG/KG	**DISP:** Moribund Sacrifice	**HISTO:** 2002648

ORGAN AND ACCOUNTABLE SITE STATUS

CONTRIBUTORY CAUSE OF DEATH	- Liver Cholangiocarcinoma;Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 639	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 95
	DOSE: 100 NG/KG	**DISP:** Scheduled Sacrifice	**HISTO:** 2002649

***** NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 640	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 214
	DOSE: 100 NG/KG	**DISP:** Scheduled Sacrifice	**HISTO:** 2002650

***** NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 641	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 733
	DOSE: 100 NG/KG	**DISP:** Terminal Sacrifice	**HISTO:** 2002651

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Esophagus	Eye	Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric	* Nose
* Ovary	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Adrenal Cortex		Atrophy	Mild
		Hyperplasia	Mild
		Hypertrophy	Mild
* Bone Marrow		Hyperplasia	Moderate
* Clitoral Gland	Duct	Cyst	Moderate
		Inflammation	Mild
* Intestine Large, Rectum		Parasite Metazoan	
* Kidney		Mineralization	Minimal
		Nephropathy	Mild
* Liver		Cholangiocarcinoma	Multiple
		Cholangiofibrosis	Moderate
	Bile Duct	Cyst	Marked
		Cytoplasmic Alteration	Mild
		Eosinophilic Focus	Multiple
		Fatty Change	Diffuse, Moderate
	Portal	Fibrosis	Minimal
		Hepatocellular Adenoma	
	Bile Duct	Hyperplasia	Mild
	Oval Cell	Hyperplasia	Mild
	Hepatocyte	Hypertrophy	Moderate
		Inflammation	Minimal
		Mixed Cell Focus	Multiple

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 641	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 733
	DOSE: 100 NG/KG	**DISP:** Terminal Sacrifice	**HISTO:** 2002651

ORGAN AND ACCOUNTABLE SITE STATUS

	Hepatocyte	Multinucleated	Mild
		Pigmentation	Mild
		Toxic Hepatopathy	Marked
[Cholangiocarcinoma TGLS = 3,5-12+14]			
[Hepatocellular Adenoma TGLS = 4-13]			
[Mixed Cell Focus TGLS = 2-6+7]			
* Lung		Cystic Keratinizing Epithelioma	
		Infiltration Cellular	Histiocyte, Mild
	Alveolar Epith	Metaplasia	Bronchiolar, Minimal
[Cystic Keratinizing Epithelioma TGLS = 6-3]			
* Lymph Node, Mandibular		Hyperplasia	Plasma Cell, Mild
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Minimal
[Fibroadenoma TGLS = 1-11]			
* Pancreas	Acinus	Vacuolization Cytoplasmic	Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Mild
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 642	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 680
	DOSE: 100 NG/KG	**DISP:** Natural Death	**HISTO:** 2002652

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Esophagus	Eye	* Heart	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Mammary Gland
* Nose	* Ovary	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Lymph Node, Mesenteric			

OBSERVATIONS

* Adrenal Cortex		Atrophy	Mild
		Degeneration	Cystic, Mild
		Hypertrophy	Mild
* Bone Marrow		Hyperplasia	Moderate
* Clitoral Gland	Duct	Cyst	Mild
		Inflammation	Minimal
Eye			
Note: One optic nerve missing.			
Harderian Gland		Inflammation	Mild
* Kidney		Mineralization	Minimal
		Nephropathy	Moderate
* Liver		Cholangiofibrosis	Moderate
		Fatty Change	Diffuse, Minimal
	Portal	Fibrosis	Mild
	Bile Duct	Hyperplasia	Mild
	Oval Cell	Hyperplasia	Mild
		Hyperplasia	Nodular
	Hepatocyte	Hypertrophy	Marked
		Inflammation	Minimal
	Hepatocyte	Multinucleated	Mild

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 642	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 680
	DOSE: 100 NG/KG	**DISP:** Natural Death	**HISTO:** 2002652

ORGAN AND ACCOUNTABLE SITE STATUS

		Pigmentation	Mild
		Toxic Hepatopathy	Moderate
[Fibrosis TGLS = 2-6+7]			
[Hyperplasia TGLS = 1-6+7]			
* Lung		Infiltration Cellular	Histiocyte, Mild
Oral Mucosa	Gingival	Squamous Cell Carcinoma	
* Ovary			
Note: One ovary missing.			
* Pancreas	Acinus	Vacuolization Cytoplasmic	Minimal
* Pituitary Gland		Angiectasis	Mild
* Spleen		Pigmentation	Minimal
* Thymus		Atrophy	Marked
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH	- Kidney Nephropathy
CONTRIBUTORY CAUSE OF DEATH	- Oral Mucosa Gingival Squamous Cell Carcinoma

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 643	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 369
	DOSE: 100 NG/KG	**DISP:** Scheduled Sacrifice	**HISTO:** 2002653

***** NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 644	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 648
	DOSE: 100 NG/KG	**DISP:** Moribund Sacrifice	**HISTO:** 2002654

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Thymus

OBSERVATIONS

* Adrenal Cortex		Adenoma	
		Atrophy	Moderate
		Degeneration	Cystic, Moderate
		Hypertrophy	Minimal
Note: One adrenal atrophic.			
[Adenoma TGLS = 2-8]			
* Bone Marrow		Hyperplasia	Mild
* Clitoral Gland	Duct	Cyst	Mild
		Inflammation	Minimal
Eye			
Note: Both optic nerves missing.			
* Heart		Cardiomyopathy	Minimal
* Intestine Large, Colon		Parasite Metazoan	
* Kidney		Mineralization	Minimal
		Nephropathy	Mild
* Liver		Basophilic Focus	
		Cholangiocarcinoma	Multiple
	Centrilobular	Degeneration	Mild
		Eosinophilic Focus	Multiple
		Fatty Change	Diffuse, Moderate

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 644	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 648
	DOSE: 100 NG/KG	**DISP:** Moribund Sacrifice	**HISTO:** 2002654

ORGAN AND ACCOUNTABLE SITE STATUS

	Portal	Fibrosis	Mild
		Hepatocellular Adenoma	
	Bile Duct	Hyperplasia	Mild
	Oval Cell	Hyperplasia	Moderate
		Hyperplasia	Nodular
	Hepatocyte	Hypertrophy	Marked
		Inflammation	Mild
	Hepatocyte	Multinucleated	Minimal
		Necrosis	Mild
		Pigmentation	Mild
		Toxic Hepatopathy	Marked
[Cholangiocarcinoma TGLS = 3-11]			
[Eosinophilic Focus TGLS = 7-6+7]			
[Hyperplasia TGLS = 4,5,6-12+13+14]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
	Alveolar Epith	Metaplasia	Bronchiolar, Minimal
Lymph Node	Mediastinal	Ectasia	Mild
	Mediastinal	Hemorrhage	Mild
[Ectasia TGLS = 1-15]			
* Mammary Gland		Hyperplasia	Minimal
* Ovary		Atrophy	Marked
* Pancreas	Acinus	Vacuolization Cytoplasmic	Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Minimal
* Thyroid Gland	C Cell	Adenoma	
	Follicular Cel	Hypertrophy	Minimal
PRIMARY CAUSE OF DEATH	- Liver Cholangiocarcinoma		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 645	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 95
	DOSE: 100 NG/KG	**DISP:** Scheduled Sacrifice	**HISTO:** 2002655

***** NECROPSIED - NO MICROSCOPIC EXAMINATION**

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 646	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 368
	DOSE: 100 NG/KG	**DISP:** Scheduled Sacrifice	**HISTO:** 2002656

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
* Adrenal Medulla	* Islets, Pancreatic	* Mammary Gland	* Ovary
* Pituitary Gland	* Stomach, Forestomach	* Stomach, Glandular	* Uterus
Vagina			
OBSERVATIONS			
* Adrenal Cortex		Hypertrophy	Mild
* Liver		Basophilic Focus	
		Fatty Change	Diffuse, Mild
	Bile Duct	Hyperplasia	Mild
	Hepatocyte	Hypertrophy	Marked
		Inflammation	Mild
		Mixed Cell Focus	Multiple
	Hepatocyte	Multinucleated	Minimal
		Pigmentation	Moderate
		Toxic Hepatopathy	Marked
[Mixed Cell Focus TGLS = 1-5,6]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Pancreas	Acinus	Atrophy	Mild
		Inflammation	Chronic Active, Mild
	Acinus	Vacuolization Cytoplasmic	Minimal
* Spleen		Pigmentation	Mild
* Thymus		Atrophy	Moderate
* Thyroid Gland	Follicular Cel	Hypertrophy	Marked
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 647	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 368
	DOSE: 100 NG/KG	**DISP:** Scheduled Sacrifice	**HISTO:** 2002657

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
* Adrenal Medulla	* Islets, Pancreatic	* Lung	* Mammary Gland
* Pituitary Gland	* Stomach, Forestomach	* Stomach, Glandular	* Uterus
Vagina			
OBSERVATIONS			
* Adrenal Cortex		Hypertrophy	Mild
* Liver		Fatty Change	Diffuse, Mild
	Bile Duct	Hyperplasia	Mild
	Hepatocyte	Hypertrophy	Moderate
		Inflammation	Mild
		Mixed Cell Focus	Multiple
	Hepatocyte	Multinucleated	Minimal
		Pigmentation	Moderate
		Toxic Hepatopathy	Marked
[Mixed Cell Focus TGLS = 1-5,6]			
* Ovary		Atrophy	Marked
* Pancreas	Acinus	Vacuolization Cytoplasmic	Minimal
* Spleen		Pigmentation	Mild
* Thymus		Atrophy	Marked
* Thyroid Gland	Follicular Cel	Hypertrophy	Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

ANIMAL ID: 648	**TRT#:** 6	**SEX:** Female	**DAY ON TEST:** 368
	DOSE: 100 NG/KG	**DISP:** Scheduled Sacrifice	**HISTO:** 2002658

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
* Adrenal Medulla	* Islets, Pancreatic	* Mammary Gland	* Pituitary Gland
* Stomach, Forestomach	* Stomach, Glandular	Vagina	
OBSERVATIONS			
* Adrenal Cortex		Hypertrophy	Moderate
* Liver		Basophilic Focus	
		Fatty Change	Diffuse, Minimal
	Bile Duct	Hyperplasia	Minimal
	Hepatocyte	Hypertrophy	Moderate
		Inflammation	Mild
		Mixed Cell Focus	Multiple
	Hepatocyte	Multinucleated	Mild
		Pigmentation	Mild
		Toxic Hepatopathy	Moderate
[Mixed Cell Focus TGLS = 1-5,6]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Ovary		Atrophy	Marked
* Pancreas	Acinus	Vacuolization Cytoplasmic	Minimal
* Spleen		Pigmentation	Mild
* Thymus		Atrophy	Marked
* Thyroid Gland	Follicular Cel	Hypertrophy	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal
		Metaplasia	Squamous, Mild
PRIMARY CAUSE OF DEATH	-		

** END OF REPORT **

* PROTOCOL REQUIRED TISSUE