| | |
|---|---|
| **C Number:** | C06508B |
| **Lock Date:** | Not Entered. |
| **Cage Range:** | All |
| **Date Range:** | All |
| **Reasons For Removal:** | All |
| **Removal Date Range:** | All |
| **Treatment Groups:** | All |
| **Study Gender:** | Both |
| **PWG Approval Date** | 11/08/1991 |

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 1 | **TRT#:** 1 | **SEX:** Male | **DAY ON TEST:** 729 |
| | **DOSE:** 0% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47079 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Medulla | Bone | Bone Marrow | Epididymis |
| Esophagus | Gallbladder | 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 |
| Pancreas | Parathyroid Gland | Pituitary Gland | Prostate |
| Salivary Glands | Seminal Vesicle | Skeletal Muscle | Skin |
| Spleen | Stomach - Forestomach | Testes | Thyroid Gland |
| Tongue | Trachea | Urinary Bladder | |

**MISSING**

Mammary Gland

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Adrenal Gland | Cortex | Hypertrophy | Focal, Mild |
| Brain | Thalamus | Mineralization | Mild |
| Kidney | | Cyst | |
| | Renal Tubule | Regeneration | Mild |
| Lung | | Alveolar/Bronchiolar Adenoma | |
| Note: [ ALV BRON ADEN ] TGLs = 1-2-1 | | | |
| Lymph Node | Mesenteric | Hemorrhage | Mild |
| Nose | Mucosa | Atrophy | Minimal |
| | Mucosa | Degeneration | Minimal |
| | Glands | Hyperplasia | Cystic, Minimal |
| Stomach | Glandular | Cyst | |
| Thymus | | Cyst | |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 2 | **TRT#:** 1 | **SEX:** Male | **DAY ON TEST:** 729 |
| | **DOSE:** 0% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47080 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Bone | Bone Marrow | Epididymis | Esophagus |
| Gallbladder | 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 | Prostate | Salivary Glands |
| Seminal Vesicle | Skeletal Muscle | Skin | Spleen |
| Stomach - Forestomach | Stomach - Glandular | Testes | Thymus |
| Thyroid Gland | Tongue | Trachea | Urinary Bladder |

**MISSING**

Mammary Gland

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Adrenal Gland | Cortex | Accessory Adrenal Cortical Nodule | |
| | Medulla | Pheochromocytoma Malignant | |
| Note: [ PHEOCHROM MAL ] TGLs = 2-10 | | | |
| Brain | Thalamus | Mineralization | Moderate |
| Kidney | | Cyst | |
| | Renal Tubule | Regeneration | Minimal |
| Liver | | Clear Cell Focus | |
| Nose | Mucosa | Atrophy | Minimal |
| | Mucosa | Degeneration | Minimal |
| | Glands | Hyperplasia | Cystic, Minimal |
| Pituitary Gland | Pars Distalis | Adenoma | |
| Preputial Gland | | Ectasia | Marked |
| Note: [ ECTASIA ] TGLs = 1-8 | | | |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 3 | **TRT#:** 1 | **SEX:** Male | **DAY ON TEST:** 456 |
| | **DOSE:** 0% | **DISP:** Scheduled Sacrifice | **HISTO:** 87-45114 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Medulla | Bone | Bone Marrow | Epididymis |
| Esophagus | Gallbladder | 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 | Pancreas | Parathyroid Gland |
| Pituitary Gland | Prostate | Salivary Glands | Seminal Vesicle |
| Skeletal Muscle | Skin | Spleen | Stomach - Forestomach |
| Stomach - Glandular | Testes | Thyroid Gland | Tongue |
| Trachea | Urinary Bladder | | |

**MISSING**

Mammary Gland

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Adrenal Gland | Cortex | Hyperplasia | Focal, Minimal |
| Brain | Thalamus | Mineralization | Mild |
| Kidney | | Mineralization | Minimal |
| | Renal Tubule | Regeneration | Minimal |
| Nose | Mucosa | Degeneration | Minimal |
| Preputial Gland | | Ectasia | Moderate |
| Note: ECTASIA TGLs = 1-8 | | | |
| Thymus | | Cyst | |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 4 | **TRT#:** 1 | **SEX:** Male | **DAY ON TEST:** 729 |
| | **DOSE:** 0% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47081 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Medulla | Bone | Bone Marrow | Epididymis |
| Esophagus | Gallbladder | 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 | Prostate |
| Salivary Glands | Seminal Vesicle | Skeletal Muscle | Skin |
| Spleen | Stomach - Forestomach | Stomach - Glandular | Testes |
| Thyroid Gland | Tongue | Trachea | Urinary Bladder |

**MISSING**

| | |
|---|---|
| Mammary Gland | Thymus |

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Adrenal Gland | Cortex | Hypertrophy | Focal, Mild |
| Brain | Thalamus | Mineralization | Minimal |
| Kidney | | Cyst | |
| | | Mineralization | Minimal |
| | Renal Tubule | Regeneration | Mild |
| Liver | | Hepatocellular Adenoma | |
| | | Inflammation | Subacute, Minimal |
| Note: [ HEPATOCLR ADEN ] TGLs = 2-6 | | | |
| Lymph Node | Mandibular | Hyperplasia | Plasma Cell, Mild |
| Pituitary Gland | Pars Distalis | Hyperplasia | Mild |
| Preputial Gland | | Ectasia | Moderate |
| Note: [ ECTASIA ] TGLs = 1-8 | | | |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 5 | **TRT#:** 1 | **SEX:** Male | **DAY ON TEST:** 729 |
| | **DOSE:** 0% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47082 |

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Medulla | Bone | Bone Marrow | Epididymis |
| Esophagus | Gallbladder | 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 | Pancreas | Parathyroid Gland |
| Pituitary Gland | Prostate | Salivary Glands | Seminal Vesicle |
| Skeletal Muscle | Skin | Spleen | Stomach - Forestomach |
| Stomach - Glandular | Testes | Thymus | Thyroid Gland |
| Tongue | Trachea | Urinary Bladder | |

**MISSING**

Mammary Gland

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Adrenal Gland | Cortex | Hypertrophy | Focal, Minimal |
| Brain | Thalamus | Mineralization | Mild |
| Kidney | | Cyst | |
| | | Hyperplasia | Lymphoid, Minimal |
| | Renal Tubule | Regeneration | Mild |
| Nose | Mucosa | Atrophy | Minimal |
| | Mucosa | Degeneration | Minimal |
| | Glands | Hyperplasia | Cystic, Minimal |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 6 | **TRT#:** 1 | **SEX:** Male | **DAY ON TEST:** 729 |
| | **DOSE:** 0% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47083 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Medulla | Bone | Bone Marrow | Epididymis |
| Esophagus | Gallbladder | 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 | Pituitary Gland | Prostate |
| Salivary Glands | Seminal Vesicle | Skeletal Muscle | Skin |
| Stomach - Forestomach | Stomach - Glandular | Testes | Thyroid Gland |
| Tongue | Trachea | Urinary Bladder | |

**MISSING**

| | |
|---|---|
| Mammary Gland | Parathyroid Gland |

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Adrenal Gland | Cortex | Accessory Adrenal Cortical Nodule | |
| | Cortex | Vacuolization Cytoplasmic | Focal, Mild |
| Blood Vessel | | Inflammation | Chronic Active, Mild |
| Note: LESIONS ARE PRESENT ON SLIDES 4 AND 11 | | | |
| Brain | Thalamus | Mineralization | Mild |
| Kidney | | Casts Protein | Mild |
| | | Mineralization | Minimal |
| | Renal Tubule | Regeneration | Mild |
| Liver | | Hepatocellular Carcinoma | |
| Note: [ HEPATOCLR CARC ] TGLs = 2-22 | | | |
| Nose | Mucosa | Atrophy | Minimal |
| | Mucosa | Degeneration | Minimal |
| Preputial Gland | | Ectasia | Marked |
| Note: [ ECTASIA ] TGLs = 1-21 | | | |
| Spleen | | Hematopoietic Cell Proliferation | Moderate |
| Thymus | | Cyst | |
| | | Depletion Cellular | Mild |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 7 | **TRT#:** 1 | **SEX:** Male | **DAY ON TEST:** 729 |
| | **DOSE:** 0% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47084 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Medulla | Bone | Epididymis | Esophagus |
| Gallbladder | Heart | Intestine Large - Cecum | Intestine Large - Colon |
| Intestine Large - Rectum | Intestine Small - Duodenum | Intestine Small - Ileum | Intestine Small - Jejunum |
| Islets, Pancreatic | Lymph Node - Mandibular | Nose | Pancreas |
| Parathyroid Gland | Pituitary Gland | Prostate | Salivary Glands |
| Seminal Vesicle | Skeletal Muscle | Skin | Spleen |
| Stomach - Forestomach | Stomach - Glandular | Testes | Thymus |
| Thyroid Gland | Tongue | Trachea | Urinary Bladder |

**MISSING**

Mammary Gland

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Adrenal Gland | Cortex | Hypertrophy | Focal, Minimal |
| | Cortex | Vacuolization Cytoplasmic | Focal, Minimal |
| Bone Marrow | | Pigmentation | Hemosiderin, Moderate |
| Brain | Thalamus | Mineralization | Minimal |
| Kidney | Renal Tubule | Atrophy | Minimal |
| | Renal Tubule | Regeneration | Minimal |
| Liver | | Mixed Cell Focus | |
| Note: [ MIXED CL FOCUS ] TGLs = 2-21 | | | |
| Lung | | Alveolar/Bronchiolar Carcinoma | |
| | | Infiltration Cellular | Histiocyte, Marked |
| Note: [ ALV BRON CARC ] TGLs = 3-2 | | | |
| Lymph Node | Mesenteric | Hyperplasia | Lymphoid, Mild |
| Preputial Gland | | Ectasia | Marked |
| Note: [ ECTASIA ] TGLs = 1-8 | | | |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 8 | **TRT#:** 1 | **SEX:** Male | **DAY ON TEST:** 729 |
| | **DOSE:** 0% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47085 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Medulla | Bone | Bone Marrow | Epididymis |
| Esophagus | Gallbladder | Heart | Intestine Large - Cecum |
| Intestine Large - Colon | Intestine Large - Rectum | Intestine Small - Duodenum | Intestine Small - Ileum |
| Intestine Small - Jejunum | Lymph Node - Mandibular | Lymph Node - Mesenteric | Pancreas |
| Parathyroid Gland | Pituitary Gland | Prostate | Salivary Glands |
| Seminal Vesicle | Skeletal Muscle | Skin | Spleen |
| Stomach - Glandular | Testes | Thymus | Tongue |
| Trachea | Urinary Bladder | | |

**MISSING**

Mammary Gland

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Adrenal Gland | Capsule, Cortex | Hyperplasia | Moderate |
| | Cortex | Hypertrophy | Focal, Moderate |
| Brain | Thalamus | Mineralization | Mild |
| Islets, Pancreatic | | Hyperplasia | Moderate |
| Kidney | | Hyperplasia | Lymphoid, Minimal |
| | | Mineralization | Minimal |
| | Renal Tubule | Regeneration | Mild |
| Liver | | Hepatocellular Carcinoma | |
| Note: [ HEPATOCLR CARC ] TGLs = 1-21 | | | |
| Lung | | Alveolar/Bronchiolar Adenoma | |
| Note: [ ALV BRON ADEN ] TGLs = 2-2-1 | | | |
| Nose | Mucosa | Atrophy | Minimal |
| | Mucosa | Degeneration | Minimal |
| | | Exudate | |
| | Glands | Hyperplasia | Cystic, Mild |
| Stomach | Forestomach, Mucosa | Hyperplasia | Moderate |
| | Forestomach | Squamous Cell Papilloma | |
| Thyroid Gland | | Degeneration | Cystic, Minimal |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 8 | **TRT#:** 1 | **SEX:** Male | **DAY ON TEST:** 729 |
| | **DOSE:** 0% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47085 |

**ORGAN AND ACCOUNTABLE SITE STATUS**

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 9 | **TRT#:** 1 | **SEX:** Male | **DAY ON TEST:** 729 |
| | **DOSE:** 0% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47086 |

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Medulla | Bone | Bone Marrow | Epididymis |
| Esophagus | Gallbladder | Heart | Intestine Large - Cecum |
| Intestine Large - Colon | Intestine Large - Rectum | Intestine Small - Duodenum | Intestine Small - Ileum |
| Intestine Small - Jejunum | Liver | Lung | Lymph Node - Mandibular |
| Lymph Node - Mesenteric | Pancreas | Parathyroid Gland | Pituitary Gland |
| Prostate | Salivary Glands | Seminal Vesicle | Skeletal Muscle |
| Skin | Spleen | Stomach - Forestomach | Stomach - Glandular |
| Testes | Thymus | Tongue | Trachea |
| Urinary Bladder | | | |

**MISSING**

Mammary Gland

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Adrenal Gland | Cortex | Hypertrophy | Focal, Minimal |
| | Cortex | Vacuolization Cytoplasmic | Focal, Minimal |
| Brain | Thalamus | Mineralization | Moderate |
| Islets, Pancreatic | | Hyperplasia | Mild |
| Kidney | Renal Tubule | Regeneration | Mild |
| Nose | Mucosa | Atrophy | Minimal |
| | Mucosa | Degeneration | Minimal |
| | | Exudate | |
| Thyroid Gland | Follicle | Cyst | |
| | Follicular Cel | Hyperplasia | Minimal |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 10 | **TRT#:** 1 | **SEX:** Male | **DAY ON TEST:** 670 |
| | **DOSE:** 0% | **DISP:** Moribund Sacrifice | **HISTO:** 88-46472 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Medulla | Bone | Bone Marrow | Brain |
| Esophagus | Gallbladder | 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 | Parathyroid Gland |
| Pituitary Gland | Prostate | Salivary Glands | Seminal Vesicle |
| Skeletal Muscle | Skin | Stomach - Glandular | Thyroid Gland |
| Tongue | Trachea | Urinary Bladder | |

**MISSING**

Mammary Gland

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Adrenal Gland | Cortex | Accessory Adrenal Cortical Nodule | |
| | Cortex | Hypertrophy | Focal, Mild |
| Epididymis | | Atypia Cellular | |
| Kidney | | Casts Protein | Minimal |
| | | Mineralization | Mild |
| | Renal Tubule | Regeneration | Minimal |
| Pancreas | Acinar Cell | Cytoplasmic Alteration | Moderate |
| Pharynx | | Ulcer | Moderate |
| Note: ULCERS ARE ON THIRD NASAL SECTION, SLIDE 9 | | | |
| Spleen | Red Pulp | Atrophy | Mild |
| Note: [ ATROPHY ] TGLs = 1-6 | | | |
| Stomach | Forestomach | Squamous Cell Papilloma | |
| Testes | Seminif Tub | Atrophy | Minimal |
| Thymus | | Cyst | |
| | | Depletion Cellular | Moderate |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 11 | **TRT#:** 1 | **SEX:** Male | **DAY ON TEST:** 456 |
| | **DOSE:** 0% | **DISP:** Scheduled Sacrifice | **HISTO:** 87-45115 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Cortex | Adrenal Gland - Medulla | Bone | Bone Marrow |
| Epididymis | Gallbladder | 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 | Parathyroid Gland | Pituitary Gland |
| Prostate | Salivary Glands | Seminal Vesicle | Skeletal Muscle |
| Skin | Spleen | Stomach - Forestomach | Stomach - Glandular |
| Testes | Thymus | Thyroid Gland | Tongue |
| Trachea | | | |

**MISSING**

| | |
|---|---|
| Esophagus | Mammary Gland |

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Brain | Thalamus | Mineralization | Mild |
| Kidney | Renal Tubule | Regeneration | Minimal |
| Nose | Mucosa | Degeneration | Minimal |
| Pancreas | | Focal Cellular Change | |
| Preputial Gland | | Ectasia | Moderate |
| | | Inflammation | Chronic, Mild |
| Note: ECTASIA TGLs = 1-8 | | | |
| Urinary Bladder | | Hyperplasia | Lymphoid, Minimal |

| | |
|---|---|
| PRIMARY CAUSE OF DEATH | - |

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 12 | **TRT#:** 1 | **SEX:** Male | **DAY ON TEST:** 729 |
| | **DOSE:** 0% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47087 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Medulla | Bone | Bone Marrow | Brain |
| Epididymis | Esophagus | Gallbladder | 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 | Pancreas | Parathyroid Gland | Pituitary Gland |
| Prostate | Salivary Glands | Seminal Vesicle | Skeletal Muscle |
| Skin | Spleen | Stomach - Forestomach | Stomach - Glandular |
| Testes | Tongue | Trachea | Urinary Bladder |

**MISSING**

Mammary Gland

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Adrenal Gland | Cortex | Cyst | |
| | Capsule, Cortex | Hyperplasia | Moderate |
| Kidney | Renal Tubule | Regeneration | Minimal |
| Liver | | Hepatocellular Carcinoma | Multiple, Three |
| Note: [ HEPATOCLR CARC ] TGLs = 1-21,2-22,3-23 | | | |
| Lymph Node | Mesenteric | Hemorrhage | Minimal |
| Nose | Mucosa | Atrophy | Minimal |
| | Mucosa | Degeneration | Minimal |
| | Glands | Hyperplasia | Cystic, Minimal |
| Thymus | | Cyst | |
| Thyroid Gland | Follicle | Cyst | |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 13 | **TRT#:** 1 | **SEX:** Male | **DAY ON TEST:** 729 |
| | **DOSE:** 0% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47088 |

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Medulla | Bone | Bone Marrow | Epididymis |
| Esophagus | Gallbladder | Heart | Intestine Large - Cecum |
| Intestine Large - Colon | Intestine Large - Rectum | Intestine Small - Duodenum | Intestine Small - Jejunum |
| Islets, Pancreatic | Lung | Lymph Node - Mandibular | Lymph Node - Mesenteric |
| Pancreas | Pituitary Gland | Prostate | Salivary Glands |
| Seminal Vesicle | Skeletal Muscle | Skin | Spleen |
| Stomach - Glandular | Testes | Thyroid Gland | Tongue |
| Trachea | Urinary Bladder | | |

**MISSING**

| | | |
|---|---|---|
| Intestine Small - Ileum | Mammary Gland | Parathyroid Gland |

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Adrenal Gland | Capsule, Cortex | Adenoma | |
| | Capsule, Cortex | Hyperplasia | Mild |
| | Cortex | Hypertrophy | Focal, Minimal |
| Brain | Thalamus | Mineralization | Mild |
| Kidney | Renal Tubule | Regeneration | Mild |
| Liver | | Hepatocellular Adenoma | |
| Nose | Mucosa | Atrophy | Minimal |
| | Mucosa | Degeneration | Minimal |
| | Glands | Hyperplasia | Cystic, Mild |
| Stomach | Forestomach, Mucosa | Hyperplasia | Mild |
| Note: [ HYPERPLASIA ] TGLs = 1-4-1 | | | |
| Thymus | | Cyst | |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 14 | **TRT#:** 1 | **SEX:** Male | **DAY ON TEST:** 729 |
| | **DOSE:** 0% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47089 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

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

**MISSING**

Mammary Gland

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Kidney | | Mineralization | Mild |
| | Renal Tubule | Regeneration | Mild |
| Liver | | Nuclear Alteration | Mild |
| Note: NUCLEAR ALTER CONSISTS OF HEPATOCYTES W/ MULTIPLE NUCLEI | | | |
| Lung | | Alveolar/Bronchiolar Carcinoma | |
| | | Infiltration Cellular | Histiocyte, Moderate |
| [ Infiltration Cellular TGLS = 2-2 ] | | | |
| Lymph Node | Mesenteric | Hematopoietic Cell Proliferation | Moderate |
| | Mesenteric | Hemorrhage | Moderate |
| Nose | Mucosa | Atrophy | Minimal |
| | Mucosa | Degeneration | Minimal |
| | Glands | Hyperplasia | Cystic, Moderate |
| Note: HYPERPLASTIC GLANDS LINED W/ CILIATED EPITHELIUM | | | |
| Note: SOME HYPERPLASTIC GLANDS COMMUNICATE W/ MEATUS | | | |
| Preputial Gland | | Ectasia | Moderate |
| | | Inflammation | Chronic, Minimal |
| Note: [ ECTASIA ] TGLs = 1-8 | | | |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 14 | **TRT#:** 1 | **SEX:** Male | **DAY ON TEST:** 729 |
| | **DOSE:** 0% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47089 |

**ORGAN AND ACCOUNTABLE SITE STATUS**

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 15 | **TRT#:** 1 | **SEX:** Male | **DAY ON TEST:** 456 |
| | **DOSE:** 0% | **DISP:** Scheduled Sacrifice | **HISTO:** 87-45116 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Medulla | Bone | Bone Marrow | Epididymis |
| Esophagus | Gallbladder | 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 | Pancreas | Parathyroid Gland |
| Pituitary Gland | Prostate | Salivary Glands | Seminal Vesicle |
| Skeletal Muscle | Skin | Spleen | Stomach - Forestomach |
| Testes | Thymus | Thyroid Gland | Tongue |
| Trachea | Urinary Bladder | | |

**MISSING**

Mammary Gland

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Adrenal Gland | Cortex | Hyperplasia | Focal, Mild |
| Brain | Thalamus | Mineralization | Mild |
| Kidney | Renal Tubule | Regeneration | Minimal |
| Nose | Mucosa | Degeneration | Minimal |
| | Glands | Hyperplasia | Cystic, Minimal |
| Preputial Gland | | Ectasia | Moderate |
| Note: ECTASIA TGLs = 1-21 | | | |
| Stomach | Glandular | Cyst | |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 16 | **TRT#:** 1 | **SEX:** Male | **DAY ON TEST:** 729 |
| | **DOSE:** 0% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47090 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Cortex | Adrenal Gland - Medulla | Bone | Bone Marrow |
| Brain | Epididymis | Esophagus | Gallbladder |
| 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 | Pancreas | Parathyroid Gland |
| Pituitary Gland | Prostate | Salivary Glands | Seminal Vesicle |
| Skeletal Muscle | Skin | Spleen | Stomach - Forestomach |
| Stomach - Glandular | Testes | Thymus | Tongue |
| Trachea | Urinary Bladder | | |

**MISSING**

Mammary Gland

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Kidney | Renal Tubule | Atrophy | Moderate |
| | | Hyperplasia | Lymphoid, Moderate |
| | | Mineralization | Minimal |
| | Renal Tubule | Regeneration | Minimal |
| Note: [ ATROPHY ] TGLs = 2-5 | | | |
| Note: [ HYPERPLASIA ] TGLs = 2-5 | | | |
| Liver | | Hepatocellular Adenoma | |
| | | Hyperplasia | Focal, Mild |
| Note: [ HEPATOCLR ADEN ] TGLs = 3-21 | | | |
| Note: [ HYPERPLASIA ] TGLs = 4-22 | | | |
| Lymph Node | Mesenteric | Hemorrhage | Mild |
| Nose | Mucosa | Atrophy | Minimal |
| | Mucosa | Degeneration | Minimal |
| Preputial Gland | | Ectasia | Marked |
| | | Inflammation | Chronic, Mild |
| Note: [ ECTASIA ] TGLs = 1-8 | | | |
| Thyroid Gland | Follicle | Cyst | |
| | | Degeneration | Cystic, Minimal |

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 16 | **TRT#:** 1 | **SEX:** Male | **DAY ON TEST:** 729 |
| | **DOSE:** 0% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47090 |

**ORGAN AND ACCOUNTABLE SITE STATUS**

| | | | |
|---|---|---|---|
| | Follicular Cel | Hyperplasia | Mild |
| PRIMARY CAUSE OF DEATH | - | | |

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 17 | **TRT#:** 1 | **SEX:** Male | **DAY ON TEST:** 729 |
| | **DOSE:** 0% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47091 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Bone | Bone Marrow | Brain | Epididymis |
| Esophagus | Gallbladder | Heart | Intestine Large - Cecum |
| Intestine Large - Colon | Intestine Large - Rectum | Intestine Small - Duodenum | Intestine Small - Ileum |
| Intestine Small - Jejunum | Lymph Node - Mandibular | Lymph Node - Mesenteric | Nose |
| Pancreas | Parathyroid Gland | Prostate | Seminal Vesicle |
| Skeletal Muscle | Skin | Spleen | Stomach - Forestomach |
| Testes | Thymus | Tongue | Trachea |
| Urinary Bladder | | | |

**MISSING**

Mammary Gland

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Adrenal Gland | Cortex | Accessory Adrenal Cortical Nodule | |
| | Capsule, Cortex | Hyperplasia | Mild |
| | Medulla | Hyperplasia | Minimal |
| | Cortex | Hypertrophy | Focal, Mild |
| Islets, Pancreatic | | Hyperplasia | Minimal |
| Kidney | | Casts Protein | Minimal |
| | | Cyst | |
| | Renal Tubule | Regeneration | Minimal |
| Liver | | Mixed Cell Focus | |
| Lung | | Alveolar/Bronchiolar Adenoma | |
| Note: [ ALV BRON ADEN ] TGLs = 3-2-1 | | | |
| Pituitary Gland | Pars Distalis | Adenoma | |
| Preputial Gland | | Ectasia | Moderate |
| | | Inflammation | Chronic, Moderate |
| Note: [ ECTASIA ] TGLs = 1-8 | | | |
| Salivary Glands | | Hyperplasia | Lymphoid, Minimal |
| Stomach | Glandular | Erosion | Minimal |
| Thyroid Gland | | Degeneration | Cystic, Minimal |
| | Follicular Cel | Hyperplasia | Moderate |

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 17 | **TRT#:** 1 | **SEX:** Male | **DAY ON TEST:** 729 |
| | **DOSE:** 0% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47091 |

**ORGAN AND ACCOUNTABLE SITE STATUS**

| | |
|---|---|
| PRIMARY CAUSE OF DEATH | - |

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 18 | **TRT#:** 1 | **SEX:** Male | **DAY ON TEST:** 724 |
| | **DOSE:** 0% | **DISP:** Moribund Sacrifice | **HISTO:** 88-47053 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Medulla | Bone | Bone Marrow | Epididymis |
| Esophagus | Gallbladder | Heart | Intestine Large - Cecum |
| Intestine Large - Colon | Intestine Large - Rectum | Intestine Small - Duodenum | Intestine Small - Ileum |
| Intestine Small - Jejunum | Islets, Pancreatic | Liver | Lung |
| Pancreas | Parathyroid Gland | Pituitary Gland | Prostate |
| Salivary Glands | Seminal Vesicle | Skeletal Muscle | Skin |
| Spleen | Stomach - Forestomach | Stomach - Glandular | Testes |
| Thymus | Thyroid Gland | Tongue | Trachea |
| Urinary Bladder | | | |

**MISSING**

Mammary Gland

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Adrenal Gland | Cortex | Hyperplasia | Focal, Mild |
| Brain | | Oligodendroglioma Malignant | |
| Harderian Gland | | Adenoma | |
| Note: [ ADENOMA ] TGLs = 2-21 | | | |
| Kidney | | Mineralization | Minimal |
| | Renal Tubule | Regeneration | Mild |
| Lymph Node | Mesenteric | Hemorrhage | Minimal |
| | Mandibular | Hyperplasia | Plasma Cell, Mild |
| Nose | Mucosa | Atrophy | Minimal |
| | Mucosa | Degeneration | Minimal |
| | Glands | Hyperplasia | Cystic, Mild |
| Preputial Gland | | Ectasia | Moderate |
| | | Inflammation | Chronic, Mild |
| Note: [ ECTASIA ] TGLs = 1-8 | | | |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 19 | **TRT#:** 1 | **SEX:** Male | **DAY ON TEST:** 644 |
| | **DOSE:** 0% | **DISP:** Natural Death | **HISTO:** 88-46290 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Medulla | Bone | Epididymis | Esophagus |
| Heart | Intestine Large - Cecum | Intestine Large - Colon | Intestine Large - Rectum |
| Intestine Small - Duodenum | Intestine Small - Ileum | Intestine Small - Jejunum | Islets, Pancreatic |
| Kidney | Lymph Node - Mandibular | Pancreas | Parathyroid Gland |
| Pituitary Gland | Prostate | Salivary Glands | Seminal Vesicle |
| Skeletal Muscle | Skin | Stomach - Forestomach | Stomach - Glandular |
| Testes | Thyroid Gland | Tongue | Trachea |
| Urinary Bladder | | | |

**MISSING**

| | | |
|---|---|---|
| Lymph Node - Mesenteric | Mammary Gland | Thymus |

**AUTO PRECLUDES DIAG.**

Gallbladder

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Adrenal Gland | Cortex | Hypertrophy | Focal, Mild |
| Bone Marrow | | Hypercellularity | Moderate |
| Brain | Thalamus | Mineralization | Minimal |
| Liver | | Hepatocellular Carcinoma | Multiple, Two |
| | Centrilobular | Necrosis | Marked |
| Note: [ HEPATOCLR CARC ] TGLs = 2-21,3-22 | | | |
| Lung | | Thrombosis | |
| Nose | Mucosa | Atrophy | Minimal |
| | Mucosa | Degeneration | Minimal |
| Spleen | | Hematopoietic Cell Proliferation | Marked |
| Note: [ HEMA CELL PROL ] TGLs = 1-6 | | | |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 20 | **TRT#:** 1 | **SEX:** Male | **DAY ON TEST:** 729 |
| | **DOSE:** 0% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47092 |

**ORGAN AND ACCOUNTABLE SITE STATUS**

| | | | |
|---|---|---|---|
| **NORMAL** | | | |
| Adrenal Gland - Medulla | Bone | Bone Marrow | Brain |
| Epididymis | Esophagus | Gallbladder | Heart |
| Intestine Large - Cecum | Intestine Large - Colon | Intestine Large - Rectum | Intestine Small - Duodenum |
| Intestine Small - Ileum | Intestine Small - Jejunum | Islets, Pancreatic | Pancreas |
| Pituitary Gland | Prostate | Salivary Glands | Seminal Vesicle |
| Skeletal Muscle | Skin | Spleen | Stomach - Forestomach |
| Stomach - Glandular | Testes | Thyroid Gland | Tongue |
| Trachea | Urinary Bladder | | |
| **MISSING** | | | |
| Lymph Node - Mandibular | Mammary Gland | Parathyroid Gland | Thymus |
| **OBSERVATIONS** | | | |
| Adrenal Gland | Capsule, Cortex | Hyperplasia | Moderate |
| | Cortex | Hypertrophy | Focal, Mild |
| Kidney | Renal Tubule | Atrophy | Minimal |
| | | Cyst | |
| | | Mineralization | Minimal |
| | Renal Tubule | Regeneration | Minimal |
| Liver | | Clear Cell Focus | |
| Lung | | Alveolar/Bronchiolar Carcinoma | |
| | | Infiltration Cellular | Histiocyte, Marked |
| Note: [ ALV BRON CARC ] TGLs = 2-2 | | | |
| Lymph Node | Mesenteric | Hyperplasia | Lymphoid, Moderate |
| Nose | Glands | Hyperplasia | Cystic, Moderate |
| Preputial Gland | | Ectasia | Mild |
| Note: [ ECTASIA ] TGLs = 1-8 | | | |
| PRIMARY CAUSE OF DEATH | - | | |

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 21 | **TRT#:** 1 | **SEX:** Male | **DAY ON TEST:** 725 |
| | **DOSE:** 0% | **DISP:** Natural Death | **HISTO:** 88-47093 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Medulla | Bone | Brain | Epididymis |
| Esophagus | Heart | Intestine Large - Colon | Intestine Large - Rectum |
| Intestine Small - Duodenum | Intestine Small - Jejunum | Pancreas | Parathyroid Gland |
| Pituitary Gland | Salivary Glands | Seminal Vesicle | Stomach - Forestomach |
| Testes | Thyroid Gland | Tongue | Trachea |

**MISSING**

| | | | |
|---|---|---|---|
| Intestine Large - Cecum | Lymph Node - Mandibular | Mammary Gland | Thymus |

**AUTO PRECLUDES DIAG.**

| | |
|---|---|
| Gallbladder | Intestine Small - Ileum |

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Adrenal Gland | Cortex | Accessory Adrenal Cortical Nodule | |
| Bone Marrow | | Hypercellularity | Mild |
| Islets, Pancreatic | | Hyperplasia | Mild |
| Kidney | | Inflammation | Suppurative, Moderate |
| | Renal Tubule | Regeneration | Minimal |
| Note: INFLAMMATION INVOLVES PELVIS | | | |
| Liver | | Hepatocellular Adenoma | |
| Lung | | Alveolar/Bronchiolar Adenoma | |
| [ Alveolar/Bronchiolar Adenoma TGLS = 4-2-1 ] | | | |
| Lymph Node | Mesenteric | Hemorrhage | Moderate |
| Nose | Mucosa | Atrophy | Minimal |
| | Mucosa | Degeneration | Minimal |
| | | Exudate | |
| | Glands | Hyperplasia | Cystic, Minimal |
| Note: EXUDATE IS WITHIN NASOLACRIMAL DUCT | | | |
| Preputial Gland | | Ectasia | Marked |
| | | Inflammation | Suppurative, Mild |
| Note: [ ECTASIA ] TGLs = 1-8 | | | |
| Prostate | | Inflammation | Suppurative, Mild |
| Skeletal Muscle | Sarcoplasm | Atrophy | Mild |

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 21 | **TRT#:** 1 | **SEX:** Male | **DAY ON TEST:** 725 |
| | **DOSE:** 0% | **DISP:** Natural Death | **HISTO:** 88-47093 |

**ORGAN AND ACCOUNTABLE SITE STATUS**

| | | | |
|---|---|---|---|
| | Sarcolem Nucli | Hyperplasia | Mild |
| Skin | Subcut Tiss | Hemangiosarcoma | |
| Note: [ HEMANGIOSARC ] TGLs = 2-21 | | | |
| Spleen | | Hyperplasia | Reticulum Cell, Moderate |
| Stomach | Glandular | Erosion | Minimal |
| Note: [ EROSION ] TGLs = 5-4 | | | |
| Urinary Bladder | | Inflammation | Suppurative, Moderate |
| Note: [ INFLAMMATION ] TGLs = 3-8 | | | |
| PRIMARY CAUSE OF DEATH | - | | |

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 22 | **TRT#:** 1 | **SEX:** Male | **DAY ON TEST:** 710 |
| | **DOSE:** 0% | **DISP:** Natural Death | **HISTO:** 88-46921 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Medulla | Bone | Intestine Large - Cecum | Intestine Large - Colon |
| Intestine Large - Rectum | Intestine Small - Duodenum | Intestine Small - Ileum | Intestine Small - Jejunum |
| Islets, Pancreatic | Parathyroid Gland | Pituitary Gland | Skin |
| Stomach - Forestomach | Testes | Thyroid Gland | Tongue |
| Trachea | | | |

**MISSING**

| | | |
|---|---|---|
| Esophagus | Gallbladder | Mammary Gland |

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Adrenal Gland | Cortex | Lymphoma Malignant Lymphocytic | |
| Bone Marrow | | Lymphoma Malignant Lymphocytic | |
| Brain | | Lymphoma Malignant Lymphocytic | |
| | Thalamus | Mineralization | Moderate |
| [ Mineralization TGLS = 14-1 ] | | | |
| Epididymis | | Lymphoma Malignant Lymphocytic | |
| Heart | | Lymphoma Malignant Lymphocytic | |
| Kidney | | Lymphoma Malignant Lymphocytic | |
| | Renal Tubule | Regeneration | Minimal |
| Liver | | Lymphoma Malignant Lymphocytic | |
| | Lobules | Necrosis | Moderate |
| Note: [ LYMPH MAL LYMP ] TGLs = 8-6 | | | |
| Note: [ NECROSIS ] TGLs = 9-22 | | | |
| Lung | | Alveolar/Bronchiolar Adenoma | |
| | | Lymphoma Malignant Lymphocytic | |
| Note: [ ALV BRON ADEN ] TGLs = 15-2-1 | | | |
| Lymph Node | Iliac | Lymphoma Malignant Lymphocytic | |
| | Inguinal | Lymphoma Malignant Lymphocytic | |
| | Mandibular | Lymphoma Malignant Lymphocytic | |
| | Mediastinal | Lymphoma Malignant Lymphocytic | |
| | Mesenteric | Lymphoma Malignant Lymphocytic | |
| | Pancreatic | Lymphoma Malignant Lymphocytic | |

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 22 | **TRT#:** 1 | **SEX:** Male | **DAY ON TEST:** 710 |
| | **DOSE:** 0% | **DISP:** Natural Death | **HISTO:** 88-46921 |

**ORGAN AND ACCOUNTABLE SITE STATUS**

| | | | |
|---|---|---|---|
| | Renal | Lymphoma Malignant Lymphocytic | |
| Note: [ LYMPH MAL LYMP ] TGLs = 11-23 | | | |
| Note: [ LYMPH MAL LYMP ] TGLs = 12-24 | | | |
| Note: [ LYMPH MAL LYMP ] TGLs = 10-5 | | | |
| Note: [ LYMPH MAL LYMP ] TGLs = 13-2 | | | |
| [ Lymphoma Malignant Lymphocytic TGLS = 2-21 ] | | | |
| [ Lymphoma Malignant Lymphocytic TGLS = 3-8 ] | | | |
| [ Lymphoma Malignant Lymphocytic TGLS = 6-7 ] | | | |
| Nose | | Lymphoma Malignant Lymphocytic | |
| Pancreas | | Lymphoma Malignant Lymphocytic | |
| Preputial Gland | | Ectasia | Moderate |
| | | Inflammation | Chronic, Mild |
| Note: [ ECTASIA ] TGLs = 1-8 | | | |
| Prostate | | Lymphoma Malignant Lymphocytic | |
| Salivary Glands | | Lymphoma Malignant Lymphocytic | |
| Seminal Vesicle | | Lymphoma Malignant Lymphocytic | |
| Skeletal Muscle | | Lymphoma Malignant Lymphocytic | |
| Spleen | | Hematopoietic Cell Proliferation | Mild |
| | | Lymphoma Malignant Lymphocytic | |
| Note: [ HEMA CELL PROL ] TGLs = 7-6 | | | |
| Note: [ LYMPH MAL LYMP ] TGLs = 7-6 | | | |
| Stomach | Glandular | Lymphoma Malignant Lymphocytic | |
| Thymus | | Lymphoma Malignant Lymphocytic | |
| Urinary Bladder | | Lymphoma Malignant Lymphocytic | |
| Note: [ LYMPH MAL LYMP ] TGLs = 5-8 | | | |
| PRIMARY CAUSE OF DEATH | - | | |

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 23 | **TRT#:** 1 | **SEX:** Male | **DAY ON TEST:** 729 |
| | **DOSE:** 0% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47094 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Medulla | Bone | Bone Marrow | Epididymis |
| Esophagus | Gallbladder | 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 | Prostate |
| Seminal Vesicle | Skeletal Muscle | Skin | Stomach - Glandular |
| Testes | Thymus | Thyroid Gland | Tongue |
| Trachea | Urinary Bladder | | |

**MISSING**

Mammary Gland

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Adrenal Gland | Cortex | Hyperplasia | Focal, Mild |
| Brain | Thalamus | Mineralization | Mild |
| Kidney | | Casts Protein | Minimal |
| | | Cyst | |
| | | Hyperplasia | Lymphoid, Mild |
| | Renal Tubule | Regeneration | Minimal |
| Liver | | Hepatocellular Carcinoma | |
| | Lobules | Necrosis | Marked |
| Note: [ HEPATOCLR CARC ] TGLs = 2-21 | | | |
| Note: [ NECROSIS ] TGLs = 3-22 | | | |
| Lung | | Hepatocellular Carcinoma | Metastatic (Liver) |
| | | Hyperplasia | Lymphoid, Minimal |
| Nose | Mucosa | Atrophy | Minimal |
| | Mucosa | Degeneration | Minimal |
| | | Exudate | |
| | Glands | Hyperplasia | Cystic, Moderate |
| Preputial Gland | | Ectasia | Marked |
| | | Inflammation | Chronic, Mild |
| Note: [ ECTASIA ] TGLs = 1-8 | | | |

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 23 | **TRT#:** 1 | **SEX:** Male | **DAY ON TEST:** 729 |
| | **DOSE:** 0% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47094 |

**ORGAN AND ACCOUNTABLE SITE STATUS**

| | | | |
|---|---|---|---|
| Salivary Glands | | Hyperplasia | Lymphoid, Minimal |
| Spleen | | Hematopoietic Cell Proliferation | Mild |
| Stomach | Forestomach, Mucosa | Hyperplasia | Moderate |
| | Forestomach | Inflammation | Subacute, Moderate |
| Note: [ HYPERPLASIA ] TGLs = 4-4-1 | | | |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 24 | **TRT#:** 1 | **SEX:** Male | **DAY ON TEST:** 457 |
| | **DOSE:** 0% | **DISP:** Scheduled Sacrifice | **HISTO:** 87-45129 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Cortex | Adrenal Gland - Medulla | Bone | Bone Marrow |
| Epididymis | Gallbladder | 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 | Parathyroid Gland | Prostate | Seminal Vesicle |
| Skeletal Muscle | Skin | Spleen | Stomach - Forestomach |
| Testes | Thymus | Thyroid Gland | Tongue |
| Trachea | Urinary Bladder | | |

**MISSING**

| | |
|---|---|
| Esophagus | Mammary Gland |

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Brain | Thalamus | Mineralization | Mild |
| Kidney | | Mineralization | Minimal |
| | Renal Tubule | Regeneration | Minimal |
| Liver | Hepatocyte | Cytomegaly | Mild |
| | Hepatocyte | Vacuolization Cytoplasmic | Mild |
| Nose | Glands | Hyperplasia | Cystic, Minimal |
| Pancreas | | Atrophy | Minimal |
| Pituitary Gland | Pars Distalis | Cyst | |
| Preputial Gland | | Ectasia | Moderate |
| Note: ECTASIA TGLs = 1-8 | | | |
| Salivary Glands | | Hyperplasia | Lymphoid, Minimal |
| Stomach | Glandular | Cyst | |
| Note: CYST CONTAINS MINERALIZED MATERIAL | | | |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 25 | **TRT#:** 1 | **SEX:** Male | **DAY ON TEST:** 408 |
| | **DOSE:** 0% | **DISP:** Moribund Sacrifice | **HISTO:** 87-45117 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Cortex | Adrenal Gland - Medulla | Bone | Brain |
| Epididymis | Esophagus | Gallbladder | Heart |
| Intestine Large - Cecum | Intestine Large - Colon | Intestine Large - Rectum | Intestine Small - Duodenum |
| Intestine Small - Ileum | Intestine Small - Jejunum | Islets, Pancreatic | Lung |
| Nose | Parathyroid Gland | Pituitary Gland | Salivary Glands |
| Seminal Vesicle | Skeletal Muscle | Skin | Stomach - Forestomach |
| Stomach - Glandular | Testes | Tongue | Trachea |

**MISSING**

Mammary Gland

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Bone Marrow | | Hypercellularity | Moderate |
| Kidney | Renal Tubule | Dilatation | Mild |
| | Transit Epithe | Hyperplasia | Mild |
| | | Hyperplasia | Lymphoid, Minimal |
| | | Inflammation | Suppurative, Minimal |
| | Renal Tubule | Regeneration | Moderate |
| Note: LYMPHOID HYPERPLASIA HAS PLASMA CELL DIFFERENTIATION | | | |
| Liver | Hepatocyte | Vacuolization Cytoplasmic | Mild |
| Note: CYTOPLASMIC VACUOLIZATION IS IN CENTRILOBULAR ZONES | | | |
| Lymph Node | Mandibular | Depletion Cellular | Mild |
| | Mesenteric | Depletion Cellular | Mild |
| Pancreas | Acinar Cell | Cytoplasmic Alteration | Moderate |
| Prostate | | Fibrosis | Mild |
| | Epithelium | Hyperplasia | Mild |
| | | Inflammation | Chronic, Mild |
| Spleen | Lymph Follic | Atrophy | Moderate |
| Note: ATROPHY TGLs = 3-6 | | | |
| Thymus | | Cyst | |
| | | Depletion Cellular | Marked |
| Thyroid Gland | | Degeneration | Cystic, Minimal |

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 25 | **TRT#:** 1 | **SEX:** Male | **DAY ON TEST:** 408 |
| | **DOSE:** 0% | **DISP:** Moribund Sacrifice | **HISTO:** 87-45117 |

**ORGAN AND ACCOUNTABLE SITE STATUS**

| | | | |
|---|---|---|---|
| Urinary Bladder | Mucosa | Hyperplasia | Moderate |
| | | Inflammation | Suppurative, Moderate |
| | | Inflammation | Chronic, Moderate |
| PRIMARY CAUSE OF DEATH | - | | |

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 26 | **TRT#:** 1 | **SEX:** Male | **DAY ON TEST:** 729 |
| | **DOSE:** 0% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47095 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Medulla | Bone | Bone Marrow | Epididymis |
| Esophagus | Gallbladder | Heart | Intestine Large - Cecum |
| Intestine Large - Colon | Intestine Large - Rectum | Intestine Small - Duodenum | Intestine Small - Ileum |
| Islets, Pancreatic | Liver | Lymph Node - Mandibular | Pancreas |
| Pituitary Gland | Prostate | Salivary Glands | Seminal Vesicle |
| Skeletal Muscle | Skin | Stomach - Glandular | Testes |
| Thymus | Thyroid Gland | Tongue | Trachea |
| Urinary Bladder | | | |

**MISSING**

| | | |
|---|---|---|
| Lymph Node - Mesenteric | Mammary Gland | Parathyroid Gland |

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Adrenal Gland | Cortex | Accessory Adrenal Cortical Nodule | |
| | Cortex | Vacuolization Cytoplasmic | Focal, Mild |
| Brain | Thalamus | Mineralization | Mild |
| Intestine Small | Jejunum | Hemangiosarcoma | |
| Note: [ HEMANGIOSARC ] TGLs = 2-21 | | | |
| Kidney | Renal Tubule | Regeneration | Minimal |
| Lung | Alveolar Epith | Hyperplasia | Moderate |
| | | Hyperplasia | Lymphoid, Marked |
| | | Infiltration Cellular | Histiocyte, Marked |
| Note: [ INFILTRAT CELL ] TGLs = 3-2 | | | |
| Note: [ HYPERPLASIA ] TGLs = 3-2 | | | |
| Note: [ HYPERPLASIA ] TGLs = 3-2 | | | |
| Nose | Mucosa | Degeneration | Mild |
| | | Exudate | |
| | Glands | Hyperplasia | Cystic, Mild |
| Preputial Gland | | Ectasia | Marked |
| Note: [ ECTASIA ] TGLs = 1-8 | | | |
| Spleen | | Hematopoietic Cell Proliferation | Mild |
| Stomach | Forestomach, Mucosa | Hyperplasia | Mild |

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 26 | **TRT#:** 1 | **SEX:** Male | **DAY ON TEST:** 729 |
| | **DOSE:** 0% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47095 |

**ORGAN AND ACCOUNTABLE SITE STATUS**

| | | | |
|---|---|---|---|
| | Forestomach | Inflammation | Subacute, Mild |
| PRIMARY CAUSE OF DEATH | - | | |

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 27 | **TRT#:** 1 | **SEX:** Male | **DAY ON TEST:** 727 |
| | **DOSE:** 0% | **DISP:** Natural Death | **HISTO:** 88-47096 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Medulla | Bone | Bone Marrow | Epididymis |
| Esophagus | Gallbladder | Heart | Intestine Large - Cecum |
| Intestine Large - Colon | Intestine Large - Rectum | Intestine Small - Duodenum | Intestine Small - Ileum |
| Intestine Small - Jejunum | Islets, Pancreatic | Lung | Parathyroid Gland |
| Pituitary Gland | Prostate | Salivary Glands | Seminal Vesicle |
| Skeletal Muscle | Stomach - Forestomach | Testes | Thyroid Gland |
| Tongue | Trachea | Urinary Bladder | |

**MISSING**

| | |
|---|---|
| Mammary Gland | Thymus |

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Adrenal Gland | Cortex | Hyperplasia | Focal, Mild |
| Brain | Thalamus | Mineralization | Moderate |
| Kidney | | Hyperplasia | Lymphoid, Minimal |
| | Renal Tubule | Regeneration | Minimal |
| Liver | | Hepatocellular Carcinoma | Multiple, Three |
| | Kupffer Cell | Hyperplasia | Mild |
| | Lobules | Necrosis | Marked |
| Note: [ HEPATOCLR CARC ] TGLs = 4-21,5-22,6-23 | | | |
| Lymph Node | Mesenteric | Hemorrhage | Mild |
| | Mandibular | Hyperplasia | Plasma Cell, Moderate |
| Nose | Mucosa | Atrophy | Minimal |
| | Mucosa | Degeneration | Minimal |
| | Glands | Hyperplasia | Cystic, Mild |
| Pancreas | Acinar Cell | Cytoplasmic Alteration | Moderate |
| Skin | Subcut Tiss | Edema | Moderate |
| Note: [ EDEMA ] TGLs = 1-8 | | | |
| Spleen | | Hematopoietic Cell Proliferation | Moderate |
| Note: [ HEMA CELL PROL ] TGLs = 3-6 | | | |
| Stomach | Glandular | Erosion | Moderate |
| Note: [ EROSION ] TGLs = 7-4-1 | | | |

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 27 | **TRT#:** 1 | **SEX:** Male | **DAY ON TEST:** 727 |
| | **DOSE:** 0% | **DISP:** Natural Death | **HISTO:** 88-47096 |

**ORGAN AND ACCOUNTABLE SITE STATUS**

| | |
|---|---|
| PRIMARY CAUSE OF DEATH | - |

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 28 | **TRT#:** 1 | **SEX:** Male | **DAY ON TEST:** 457 |
| | **DOSE:** 0% | **DISP:** Scheduled Sacrifice | **HISTO:** 87-45130 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Medulla | Bone | Bone Marrow | Epididymis |
| Esophagus | Gallbladder | 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 | Pituitary Gland |
| Prostate | Salivary Glands | Seminal Vesicle | Skeletal Muscle |
| Skin | Spleen | Stomach - Forestomach | Stomach - Glandular |
| Testes | Thymus | Thyroid Gland | Tongue |
| Trachea | Urinary Bladder | | |

**MISSING**

Mammary Gland

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Adrenal Gland | Cortex | Adenoma | |
| Brain | Thalamus | Mineralization | Mild |
| Kidney | | Mineralization | Minimal |
| | Renal Tubule | Regeneration | Minimal |
| Pancreas | | Focal Cellular Change | |
| Parathyroid Gland | | Cyst | |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 29 | **TRT#:** 1 | **SEX:** Male | **DAY ON TEST:** 618 |
| | **DOSE:** 0% | **DISP:** Moribund Sacrifice | **HISTO:** 88-45979 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Medulla | Bone | Epididymis | Esophagus |
| Gallbladder | 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 |
| Prostate | Salivary Glands | Seminal Vesicle | Skeletal Muscle |
| Stomach - Forestomach | Stomach - Glandular | Testes | Thyroid Gland |
| Tongue | Trachea | Urinary Bladder | |

**MISSING**

Mammary Gland

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Adrenal Gland | Cortex | Hypertrophy | Focal, Minimal |
| Bone Marrow | | Hypercellularity | Mild |
| Brain | Thalamus | Mineralization | Mild |
| Kidney | Renal Tubule | Atrophy | Moderate |
| | | Casts Protein | Moderate |
| | | Glomerulosclerosis | Mild |
| | Renal Tubule | Regeneration | Moderate |
| Liver | | Hepatocellular Carcinoma | |
| Note: [ HEPATOCLR CARC ] TGLs = 4-21 | | | |
| Lymph Node | Inguinal | Hyperplasia | Lymphoid, Mild |
| Note: [ HYPERPLASIA ] TGLs = 1-8 | | | |
| Preputial Gland | | Inflammation | Suppurative, Marked |
| Note: [ INFLAMMATION ] TGLs = 2-8 | | | |
| Skin | | Acanthosis | Minimal |
| Spleen | | Hematopoietic Cell Proliferation | Moderate |
| Note: [ HEMA CELL PROL ] TGLs = 3-6 | | | |
| Thymus | | Depletion Cellular | Mild |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 30 | **TRT#:** 1 | **SEX:** Male | **DAY ON TEST:** 577 |
| | **DOSE:** 0% | **DISP:** Moribund Sacrifice | **HISTO:** 88-45726 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Cortex | Adrenal Gland - Medulla | Bone | Epididymis |
| Esophagus | Gallbladder | 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 |
| Pancreas | Parathyroid Gland | Prostate | Salivary Glands |
| Seminal Vesicle | Skeletal Muscle | Skin | Stomach - Forestomach |
| Stomach - Glandular | Testes | Thyroid Gland | Tongue |
| Trachea | Urinary Bladder | | |

**MISSING**

| | |
|---|---|
| Mammary Gland | Pituitary Gland |

**INSUFFICIENT TISSUE**

Thymus

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Bone Marrow | | Hypercellularity | Mild |
| Brain | Thalamus | Mineralization | Mild |
| Kidney | | Mineralization | Minimal |
| | Renal Tubule | Regeneration | Minimal |
| Liver | Kupffer Cell | Hyperplasia | Moderate |
| Lymph Node | Mediastinal | Lymphoma Malignant Mixed | |
| | Mesenteric | Lymphoma Malignant Mixed | |
| | Renal | Lymphoma Malignant Mixed | |
| Note: [ LYMPH MAL MIXD ] TGLs = 2-21 | | | |
| Note: [ LYMPH MAL MIXD ] TGLs = 4-2 | | | |
| [ Lymphoma Malignant Mixed TGLS = 3-22 ] | | | |
| Nose | Mucosa | Atrophy | Minimal |
| | Mucosa | Degeneration | Minimal |
| Spleen | | Hematopoietic Cell Proliferation | Mild |
| | | Lymphoma Malignant Mixed | |
| Note: [ LYMPH MAL MIXD ] TGLs = 1-23 | | | |

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 30 | **TRT#:** 1 | **SEX:** Male | **DAY ON TEST:** 577 |
| | **DOSE:** 0% | **DISP:** Moribund Sacrifice | **HISTO:** 88-45726 |

**ORGAN AND ACCOUNTABLE SITE STATUS**

| | |
|---|---|
| PRIMARY CAUSE OF DEATH | - |

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 31 | **TRT#:** 1 | **SEX:** Male | **DAY ON TEST:** 729 |
| | **DOSE:** 0% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47097 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

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

**MISSING**

Mammary Gland

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Adrenal Gland | Cortex | Hypertrophy | Focal, Mild |
| Brain | Thalamus | Mineralization | Moderate |
| Kidney | Renal Tubule | Regeneration | Minimal |
| Liver | | Hepatocellular Adenoma | |
| Lung | | Alveolar/Bronchiolar Adenoma | |
| | | Infiltration Cellular | Histiocyte, Mild |
| Note: [ ALV BRON ADEN ] TGLs = 2-2 | | | |
| Preputial Gland | | Ectasia | Moderate |
| Note: [ ECTASIA ] TGLs = 1-8 | | | |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 32 | **TRT#:** 1 | **SEX:** Male | **DAY ON TEST:** 458 |
| | **DOSE:** 0% | **DISP:** Scheduled Sacrifice | **HISTO:** 87-45169 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Medulla | Bone | Bone Marrow | Epididymis |
| Esophagus | Gallbladder | Heart | 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 |
| Pancreas | Parathyroid Gland | Pituitary Gland | Preputial Gland |
| Salivary Glands | Seminal Vesicle | Skeletal Muscle | Skin |
| Spleen | Stomach - Forestomach | Stomach - Glandular | Testes |
| Thymus | Thyroid Gland | Tongue | Trachea |
| Urinary Bladder | | | |

**MISSING**

Mammary Gland

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Adrenal Gland | Cortex | Hyperplasia | Focal, Minimal |
| Brain | Thalamus | Mineralization | Mild |
| Islets, Pancreatic | | Hyperplasia | Mild |
| Kidney | Renal Tubule | Regeneration | Minimal |
| Liver | Hepatocyte | Cytomegaly | Mild |
| | Hepatocyte | Vacuolization Cytoplasmic | Mild |
| Nose | Mucosa | Degeneration | Minimal |
| Prostate | | Hemorrhage | Mild |
| Note: HEMORRHAGE TGLs = 1-21 | | | |

PRIMARY CAUSE OF DEATH -

Animal Note: ESOPHAGUS IS ON SLIDE 2

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 33 | **TRT#:** 1 | **SEX:** Male | **DAY ON TEST:** 729 |
| | **DOSE:** 0% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47098 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Medulla | Bone | Bone Marrow | Epididymis |
| Esophagus | Gallbladder | Heart | Intestine Large - Cecum |
| Intestine Large - Colon | Intestine Large - Rectum | Intestine Small - Duodenum | Intestine Small - Ileum |
| Lung | Lymph Node - Mandibular | Lymph Node - Mesenteric | Pancreas |
| Pituitary Gland | Prostate | Salivary Glands | Seminal Vesicle |
| Skeletal Muscle | Skin | Spleen | Stomach - Forestomach |
| Stomach - Glandular | Testes | Thymus | Thyroid Gland |
| Tongue | Trachea | Urinary Bladder | |

**MISSING**

| | |
|---|---|
| Mammary Gland | Parathyroid Gland |

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Adrenal Gland | Cortex | Hypertrophy | Focal, Mild |
| Brain | Thalamus | Mineralization | Minimal |
| Intestine Small | Jejunum | Carcinoma | |
| Note: [ CARCINOMA ] TGLs = 3-23 | | | |
| Islets, Pancreatic | | Hyperplasia | Moderate |
| Kidney | | Cyst | |
| | | Mineralization | Minimal |
| | Renal Tubule | Regeneration | Mild |
| Liver | | Hepatocellular Adenoma | |
| | | Hyperplasia | Focal, Moderate |
| Note: [ HEPATOCLR ADEN ] TGLs = 2-22 | | | |
| Note: [ HYPERPLASIA ] TGLs = 4-24 | | | |
| Mesentery | Fat | Necrosis | Marked |
| Note: [ NECROSIS ] TGLs = 1-21 | | | |
| Nose | Mucosa | Atrophy | Minimal |
| | Mucosa | Degeneration | Minimal |
| | | Exudate | |
| | Glands | Hyperplasia | Cystic, Minimal |
| | Mucosa | Metaplasia | Squamous, Minimal |

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 33 | **TRT#:** 1 | **SEX:** Male | **DAY ON TEST:** 729 |
| | **DOSE:** 0% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47098 |

**ORGAN AND ACCOUNTABLE SITE STATUS**

| | | | |
|---|---|---|---|
| Tooth | | Dysplasia | Marked |
| PRIMARY CAUSE OF DEATH | - | | |

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 34 | **TRT#:** 1 | **SEX:** Male | **DAY ON TEST:** 729 |
| | **DOSE:** 0% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47099 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Medulla | Bone | Bone Marrow | Epididymis |
| Esophagus | Gallbladder | 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 | Nose | Parathyroid Gland | Prostate |
| Salivary Glands | Seminal Vesicle | Skeletal Muscle | Skin |
| Spleen | Stomach - Forestomach | Stomach - Glandular | Testes |
| Thymus | Thyroid Gland | Tongue | Trachea |
| Urinary Bladder | | | |

**MISSING**

| | |
|---|---|
| Mammary Gland | Pituitary Gland |

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Adrenal Gland | Cortex | Hypertrophy | Focal, Mild |
| Brain | Thalamus | Mineralization | Mild |
| Harderian Gland | | Adenoma | |
| Note: [ ADENOMA ] TGLs = 2-21 | | | |
| Kidney | | Casts Protein | Minimal |
| | | Cyst | |
| | Renal Tubule | Regeneration | Mild |
| Lymph Node | Mesenteric | Hemorrhage | Moderate |
| Pancreas | | Focal Cellular Change | |
| Preputial Gland | | Ectasia | Moderate |
| | | Inflammation | Chronic, Mild |
| Note: [ ECTASIA ] TGLs = 1-8 | | | |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 35 | **TRT#:** 1 | **SEX:** Male | **DAY ON TEST:** 729 |
| | **DOSE:** 0% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47100 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Medulla | Bone | Bone Marrow | Epididymis |
| Esophagus | Gallbladder | 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 |
| Pancreas | Pituitary Gland | Prostate | Salivary Glands |
| Seminal Vesicle | Skeletal Muscle | Skin | Spleen |
| Stomach - Forestomach | Stomach - Glandular | Testes | Thymus |
| Tongue | Trachea | Urinary Bladder | |

**MISSING**

Mammary Gland

**INSUFFICIENT TISSUE**

Parathyroid Gland

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Adrenal Gland | Capsule, Cortex | Hyperplasia | Mild |
| | Cortex | Hypertrophy | Focal, Minimal |
| Brain | Thalamus | Mineralization | Moderate |
| Kidney | | Cyst | |
| | | Hyperplasia | Lymphoid, Minimal |
| | Renal Tubule | Regeneration | Mild |
| Lung | | Alveolar/Bronchiolar Carcinoma | |
| | | Infiltration Cellular | Histiocyte, Mild |
| Note: [ ALV BRON CARC ] TGLs = 3-2 | | | |
| Lymph Node | Mesenteric | Hemorrhage | Minimal |
| Mesentery | Fat | Necrosis | Moderate |
| Note: [ NECROSIS ] TGLs = 2-21 | | | |
| Nose | Mucosa | Atrophy | Minimal |
| | Mucosa | Degeneration | Minimal |
| | | Exudate | |
| | Glands | Hyperplasia | Cystic, Mild |
| Preputial Gland | | Ectasia | Moderate |

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 35 | **TRT#:** 1 | **SEX:** Male | **DAY ON TEST:** 729 |
| | **DOSE:** 0% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47100 |

**ORGAN AND ACCOUNTABLE SITE STATUS**

Note: [ ECTASIA ] TGLs = 1-8

| | | |
|---|---|---|
| Thyroid Gland | Follicular Cel | Adenoma |
| PRIMARY CAUSE OF DEATH | - | |

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 36 | **TRT#:** 1 | **SEX:** Male | **DAY ON TEST:** 729 |
| | **DOSE:** 0% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47101 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Medulla | Bone | Bone Marrow | Epididymis |
| Esophagus | Gallbladder | 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 |
| Pancreas | Pituitary Gland | Prostate | Salivary Glands |
| Seminal Vesicle | Skeletal Muscle | Skin | Spleen |
| Stomach - Forestomach | Stomach - Glandular | Testes | Thymus |
| Tongue | Trachea | Urinary Bladder | |

**MISSING**

| | |
|---|---|
| Mammary Gland | Parathyroid Gland |

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Adrenal Gland | Capsule, Cortex | Adenoma | |
| | Cortex | Hypertrophy | Focal, Minimal |
| Brain | Thalamus | Mineralization | Moderate |
| Kidney | | Mineralization | Minimal |
| | Renal Tubule | Regeneration | Minimal |
| Lung | | Hyperplasia | Lymphoid, Minimal |
| Lymph Node | Mesenteric | Hemorrhage | Mild |
| Note: [ HEMORRHAGE ] TGLs = 1-5 | | | |
| Nose | Mucosa | Atrophy | Minimal |
| | Mucosa | Degeneration | Minimal |
| Preputial Gland | | Inflammation | Chronic, Mild |
| Note: [ INFLAMMATION ] TGLs = 3-8 | | | |
| Thyroid Gland | Follicular Cel | Adenoma | |
| | Follicular Cel | Hyperplasia | Mild |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 37 | **TRT#:** 1 | **SEX:** Male | **DAY ON TEST:** 458 |
| | **DOSE:** 0% | **DISP:** Scheduled Sacrifice | **HISTO:** 87-45170 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Cortex | Adrenal Gland - Medulla | Bone | Bone Marrow |
| Epididymis | Esophagus | Gallbladder | 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 | Prostate | Salivary Glands |
| Seminal Vesicle | Skeletal Muscle | Skin | Spleen |
| Stomach - Forestomach | Testes | Thyroid Gland | Tongue |
| Trachea | Urinary Bladder | | |

**MISSING**

Mammary Gland

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Brain | Thalamus | Mineralization | Mild |
| Kidney | Renal Tubule | Dilatation | Minimal |
| | | Mineralization | Minimal |
| | Renal Tubule | Regeneration | Minimal |
| Liver | | Clear Cell Focus | |
| Preputial Gland | | Inflammation | Chronic, Moderate |
| Note: INFLAMMATION TGLs = 1-8 | | | |
| Stomach | Glandular | Cyst | |
| Thymus | | Cyst | |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 38 | **TRT#:** 1 | **SEX:** Male | **DAY ON TEST:** 729 |
| | **DOSE:** 0% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47102 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Medulla | Bone | Bone Marrow | Epididymis |
| Esophagus | Gallbladder | 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 | Pancreas | Parathyroid Gland |
| Prostate | Salivary Glands | Seminal Vesicle | Skeletal Muscle |
| Skin | Spleen | Stomach - Forestomach | Stomach - Glandular |
| Testes | Thymus | Thyroid Gland | Tongue |
| Trachea | Urinary Bladder | | |

**MISSING**

Mammary Gland

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Adrenal Gland | Cortex | Hypertrophy | Focal, Minimal |
| Brain | Thalamus | Mineralization | Mild |
| Harderian Gland | | Adenoma | |
| Note: [ ADENOMA ] TGLs = 3-9,3-22 | | | |
| Kidney | | Cyst | |
| | Renal Tubule | Hyperplasia | Minimal |
| | | Hyperplasia | Lymphoid, Mild |
| | | Mineralization | Minimal |
| | Renal Tubule | Regeneration | Mild |
| [ Cyst TGLS = 2-5 ] | | | |
| Nose | Mucosa | Degeneration | Minimal |
| | Glands | Hyperplasia | Cystic, Minimal |
| Pituitary Gland | Pars Distalis | Hyperplasia | Minimal |
| Note: COMPRESSION ARTIFACT PARTIALLY OBSCURES HYPERPLASIA | | | |
| Preputial Gland | | Ectasia | Marked |
| | | Inflammation | Chronic, Mild |
| Note: [ ECTASIA ] TGLs = 1-21 | | | |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 38 | **TRT#:** 1 | **SEX:** Male | **DAY ON TEST:** 729 |
| | **DOSE:** 0% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47102 |

**ORGAN AND ACCOUNTABLE SITE STATUS**

Animal Note: ESOPHAGUS & TRACHEA ARE ON SLIDE 2

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 39 | **TRT#:** 1 | **SEX:** Male | **DAY ON TEST:** 729 |
| | **DOSE:** 0% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47103 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Medulla | Bone | Bone Marrow | Epididymis |
| Esophagus | Gallbladder | 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 |
| Pituitary Gland | Prostate | Seminal Vesicle | Skeletal Muscle |
| Skin | Spleen | Stomach - Forestomach | Stomach - Glandular |
| Testes | Thyroid Gland | Tongue | Trachea |
| Urinary Bladder | | | |

**MISSING**

Mammary Gland

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Adrenal Gland | Cortex | Hypertrophy | Focal, Minimal |
| Brain | Thalamus | Mineralization | Moderate |
| Kidney | | Casts Protein | Minimal |
| | | Cyst | |
| | | Hyperplasia | Lymphoid, Minimal |
| | Renal Tubule | Regeneration | Moderate |
| Lung | | Alveolar/Bronchiolar Adenoma | |
| Note: [ ALV BRON ADEN ] TGLs = 2-2 | | | |
| Preputial Gland | | Ectasia | Marked |
| | | Inflammation | Chronic, Mild |
| Note: [ ECTASIA ] TGLs = 1-8 | | | |
| Salivary Glands | | Hyperplasia | Lymphoid, Minimal |
| Thymus | | Cyst | |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 40 | **TRT#:** 1 | **SEX:** Male | **DAY ON TEST:** 729 |
| | **DOSE:** 0% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47104 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Cortex | Adrenal Gland - Medulla | Bone | Bone Marrow |
| Brain | Epididymis | Esophagus | Gallbladder |
| 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 |
| Pituitary Gland | Prostate | Seminal Vesicle | Skeletal Muscle |
| Spleen | Stomach - Forestomach | Testes | Thymus |
| Thyroid Gland | Tongue | Trachea | Urinary Bladder |

**MISSING**

| | |
|---|---|
| Mammary Gland | Parathyroid Gland |

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Kidney | | Casts Protein | Minimal |
| | | Cyst | |
| | | Hyperplasia | Lymphoid, Mild |
| | Renal Tubule | Regeneration | Mild |
| Lung | | Alveolar/Bronchiolar Adenoma | |
| [ Alveolar/Bronchiolar Adenoma TGLS = 3-2-1 ] | | | |
| Lymph Node | Mesenteric | Hemorrhage | Mild |
| Preputial Gland | | Ectasia | Moderate |
| | | Inflammation | Chronic, Moderate |
| Note: [ ECTASIA ] TGLs = 2-8 | | | |
| Salivary Glands | | Hyperplasia | Lymphoid, Minimal |
| Skin | | Acanthosis | Minimal |
| Note: [ ACANTHOSIS ] TGLs = 1-21 | | | |
| Stomach | Glandular | Cyst | |

| | |
|---|---|
| PRIMARY CAUSE OF DEATH | - |

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 41 | **TRT#:** 1 | **SEX:** Male | **DAY ON TEST:** 729 |
| | **DOSE:** 0% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47105 |

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Medulla | Bone | Bone Marrow | Brain |
| Epididymis | Esophagus | Gallbladder | 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 | Pancreas |
| Parathyroid Gland | Prostate | Salivary Glands | Seminal Vesicle |
| Skeletal Muscle | Skin | Spleen | Stomach - Forestomach |
| Stomach - Glandular | Testes | Thymus | Thyroid Gland |
| Tongue | Trachea | Urinary Bladder | |

**MISSING**

Mammary Gland

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Adrenal Gland | Cortex | Hypertrophy | Focal, Mild |
| Kidney | | Cyst | |
| | | Hyperplasia | Lymphoid, Minimal |
| | Renal Tubule | Regeneration | Mild |
| Nose | Mucosa | Atrophy | Minimal |
| | Mucosa | Degeneration | Minimal |
| Pituitary Gland | Pars Distalis | Adenoma | |
| | Pars Distalis | Cyst | |
| Preputial Gland | | Ectasia | Marked |
| Note: [ ECTASIA ] TGLs = 1-8 | | | |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 42 | **TRT#:** 1 | **SEX:** Male | **DAY ON TEST:** 458 |
| | **DOSE:** 0% | **DISP:** Scheduled Sacrifice | **HISTO:** 87-45171 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Medulla | Bone | Bone Marrow | Epididymis |
| Esophagus | Gallbladder | Heart | Intestine Large - Cecum |
| Intestine Large - Colon | Intestine Large - Rectum | Intestine Small - Duodenum | Intestine Small - Ileum |
| Intestine Small - Jejunum | Islets, Pancreatic | Kidney | Liver |
| Lung | Lymph Node - Mandibular | Lymph Node - Mesenteric | Pancreas |
| Parathyroid Gland | Pituitary Gland | Prostate | Salivary Glands |
| Seminal Vesicle | Skeletal Muscle | Skin | Spleen |
| Stomach - Forestomach | Stomach - Glandular | Testes | Thymus |
| Thyroid Gland | Tongue | Trachea | Urinary Bladder |

**MISSING**

Mammary Gland

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Adrenal Gland | Cortex | Accessory Adrenal Cortical Nodule | |
| Brain | Thalamus | Mineralization | Mild |
| Nose | Mucosa | Degeneration | Minimal |
| Preputial Gland | | Atrophy | Moderate |
| Note: ATROPHY TGLs = 2-8 | | | |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 43 | **TRT#:** 1 | **SEX:** Male | **DAY ON TEST:** 729 |
| | **DOSE:** 0% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47106 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Medulla | Bone | Bone Marrow | Brain |
| Epididymis | Esophagus | Gallbladder | 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 | Pancreas | Parathyroid Gland | Pituitary Gland |
| Prostate | Salivary Glands | Seminal Vesicle | Skeletal Muscle |
| Skin | Spleen | Stomach - Forestomach | Stomach - Glandular |
| Testes | Thymus | Thyroid Gland | Tongue |
| Trachea | Urinary Bladder | | |

**MISSING**

Mammary Gland

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Adrenal Gland | Cortex | Hypertrophy | Focal, Mild |
| Kidney | | Cyst | |
| | | Hyperplasia | Lymphoid, Minimal |
| | | Mineralization | Minimal |
| | Renal Tubule | Regeneration | Mild |
| Liver | | Clear Cell Focus | |
| Lymph Node | Mesenteric | Hemorrhage | Minimal |
| Nose | Mucosa | Atrophy | Minimal |
| | | Cyst | |
| | Mucosa | Degeneration | Minimal |

Note: IN ANTERIOR NASAL SECTION
Note: CYST IS IN STROMAL TISSUE JUST DORSAL TO HARD PALATE

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 44 | **TRT#:** 1 | **SEX:** Male | **DAY ON TEST:** 729 |
| | **DOSE:** 0% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47107 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Medulla | Bone | Bone Marrow | Epididymis |
| Esophagus | Gallbladder | 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 |
| Parathyroid Gland | Pituitary Gland | Prostate | Salivary Glands |
| Seminal Vesicle | Skeletal Muscle | Skin | Spleen |
| Stomach - Forestomach | Stomach - Glandular | Testes | Thyroid Gland |
| Tongue | Trachea | Urinary Bladder | |

**MISSING**

Mammary Gland

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Adrenal Gland | Cortex | Adenoma | |
| | Capsule, Cortex | Hyperplasia | Moderate |
| Brain | Thalamus | Mineralization | Minimal |
| Kidney | Renal Tubule | Atrophy | Minimal |
| | Renal Tubule | Regeneration | Mild |
| Preputial Gland | | Ectasia | Marked |
| Note: [ ECTASIA ] TGLs = 1-8 | | | |
| Thymus | | Cyst | |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 45 | **TRT#:** 1 | **SEX:** Male | **DAY ON TEST:** 508 |
| | **DOSE:** 0% | **DISP:** Moribund Sacrifice | **HISTO:** 88-45507 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Medulla | Bone | Bone Marrow | Epididymis |
| Esophagus | Gallbladder | 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 | Prostate | Salivary Glands | Seminal Vesicle |
| Skeletal Muscle | Skin | Spleen | Stomach - Forestomach |
| Stomach - Glandular | Testes | Thymus | Thyroid Gland |
| Tongue | Trachea | Urinary Bladder | |

**MISSING**

Mammary Gland

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Adrenal Gland | Cortex | Accessory Adrenal Cortical Nodule | |
| Brain | Thalamus | Mineralization | Mild |
| Kidney | Renal Tubule | Regeneration | Minimal |
| Liver | | Clear Cell Focus | |
| | | Hepatocellular Carcinoma | |
| Note: [ HEPATOCLR CARC ] TGLs = 2-22 | | | |
| Lymph Node | Inguinal | Hyperplasia | Lymphoid, Mild |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 46 | **TRT#:** 1 | **SEX:** Male | **DAY ON TEST:** 729 |
| | **DOSE:** 0% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47108 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Medulla | Bone | Bone Marrow | Epididymis |
| Esophagus | Gallbladder | 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 | Parathyroid Gland | Pituitary Gland | Prostate |
| Seminal Vesicle | Skeletal Muscle | Skin | Spleen |
| Stomach - Forestomach | Stomach - Glandular | Testes | Tongue |
| Trachea | Urinary Bladder | | |

**MISSING**

Mammary Gland

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Adrenal Gland | Cortex | Hypertrophy | Focal, Minimal |
| Brain | Thalamus | Mineralization | Minimal |
| Kidney | | Hyperplasia | Lymphoid, Minimal |
| | | Mineralization | Minimal |
| | Renal Tubule | Regeneration | Mild |
| Lymph Node | Mesenteric | Hemorrhage | Minimal |
| Nose | Mucosa | Atrophy | Minimal |
| | | Exudate | |
| | Glands | Hyperplasia | Cystic, Minimal |
| Pancreas | | Atrophy | Minimal |
| Preputial Gland | | Ectasia | Marked |
| Note: [ ECTASIA ] TGLs = 1-8 | | | |
| Salivary Glands | | Hyperplasia | Lymphoid, Minimal |
| Thymus | | Cyst | |
| Thyroid Gland | Follicle | Cyst | |
| | | Degeneration | Cystic, Minimal |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 47 | **TRT#:** 1 | **SEX:** Male | **DAY ON TEST:** 729 |
| | **DOSE:** 0% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47109 |

**ORGAN AND ACCOUNTABLE SITE STATUS**

| | | | |
|---|---|---|---|
| **NORMAL** | | | |
| Bone | Bone Marrow | Epididymis | Esophagus |
| Gallbladder | 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 | Pancreas | Parathyroid Gland | Pituitary Gland |
| Prostate | Salivary Glands | Seminal Vesicle | Skeletal Muscle |
| Skin | Spleen | Stomach - Forestomach | Stomach - Glandular |
| Testes | Thymus | Thyroid Gland | Tongue |
| Trachea | Urinary Bladder | | |
| **MISSING** | | | |
| Mammary Gland | | | |
| **OBSERVATIONS** | | | |
| Adrenal Gland | Capsule, Cortex | Adenoma | |
| | Medulla | Hyperplasia | Minimal |
| | Cortex | Hypertrophy | Focal, Mild |
| Brain | Thalamus | Mineralization | Moderate |
| Kidney | | Cyst | |
| | | Mineralization | Minimal |
| | Renal Tubule | Regeneration | Mild |
| Nose | Mucosa | Atrophy | Minimal |
| | Mucosa | Degeneration | Minimal |
| PRIMARY CAUSE OF DEATH | - | | |

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 48 | **TRT#:** 1 | **SEX:** Male | **DAY ON TEST:** 729 |
| | **DOSE:** 0% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47110 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Medulla | Bone | Bone Marrow | Esophagus |
| Gallbladder | Heart | Intestine Large - Cecum | Intestine Large - Colon |
| Intestine Large - Rectum | Intestine Small - Duodenum | Intestine Small - Ileum | Intestine Small - Jejunum |
| Liver | Lung | Lymph Node - Mandibular | Pancreas |
| Parathyroid Gland | Pituitary Gland | Prostate | Salivary Glands |
| Seminal Vesicle | Skeletal Muscle | Skin | Spleen |
| Stomach - Forestomach | Stomach - Glandular | Testes | Thymus |
| Thyroid Gland | Tongue | Trachea | Urinary Bladder |

**MISSING**

Mammary Gland

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Adrenal Gland | Capsule, Cortex | Hyperplasia | Mild |
| | Cortex | Hypertrophy | Focal, Minimal |
| Brain | Thalamus | Mineralization | Minimal |
| Epididymis | | Inflammation | Chronic, Moderate |
| Islets, Pancreatic | | Hyperplasia | Mild |
| Kidney | | Cyst | |
| | Renal Tubule | Hyperplasia | Mild |
| | | Hyperplasia | Lymphoid, Mild |
| | | Mineralization | Minimal |
| | Renal Tubule | Regeneration | Minimal |
| Lymph Node | Mesenteric | Hemorrhage | Minimal |
| Nose | Mucosa | Degeneration | Minimal |
| | Glands | Hyperplasia | Cystic, Minimal |
| Preputial Gland | | Ectasia | Moderate |
| | | Inflammation | Chronic, Moderate |

Note: [ ECTASIA ] TGLs = 1-8

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 49 | **TRT#:** 1 | **SEX:** Male | **DAY ON TEST:** 729 |
| | **DOSE:** 0% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47111 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

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

**MISSING**

Mammary Gland

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Brain | Thalamus | Mineralization | Mild |
| Kidney | Renal Tubule | Atrophy | Mild |
| | | Casts Protein | Minimal |
| | | Hyperplasia | Lymphoid, Moderate |
| | | Mineralization | Minimal |
| | Renal Tubule | Regeneration | Mild |
| Note: [ ATROPHY ] TGLs = 4-5-1 | | | |
| Note: [ HYPERPLASIA ] TGLs = 4-5-1 | | | |
| Liver | | Hepatocellular Carcinoma | |
| | | Hyperplasia | Lymphoid, Minimal |
| Note: [ HEPATOCLR CARC ] TGLs = 3-21 | | | |
| Lung | | Hyperplasia | Lymphoid, Mild |
| Lymph Node | Mesenteric | Hematopoietic Cell Proliferation | Mild |
| | Mesenteric | Hemorrhage | Moderate |
| | Mesenteric | Hyperplasia | Lymphoid, Moderate |
| Note: [ HEMORRHAGE ] TGLs = 2-5 | | | |
| Note: [ HEMA CELL PROL ] TGLs = 2-5 | | | |
| Note: [ HYPERPLASIA ] TGLs = 2-5 | | | |

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 49 | **TRT#:** 1 | **SEX:** Male | **DAY ON TEST:** 729 |
| | **DOSE:** 0% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47111 |

**ORGAN AND ACCOUNTABLE SITE STATUS**

| | | |
|---|---|---|
| Preputial Gland | Ectasia | Marked |
| Note: [ ECTASIA ] TGLs = 1-8 | | |
| Spleen | Hematopoietic Cell Proliferation | Mild |
| | Necrosis | Mild |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 50 | **TRT#:** 1 | **SEX:** Male | **DAY ON TEST:** 458 |
| | **DOSE:** 0% | **DISP:** Scheduled Sacrifice | **HISTO:** 87-45172 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

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

**MISSING**

Mammary Gland

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Adrenal Gland | Cortex | Accessory Adrenal Cortical Nodule | |
| Brain | Thalamus | Mineralization | Mild |
| Kidney | | Mineralization | Minimal |
| Liver | | Basophilic Focus | |
| | | Hepatocellular Adenoma | |
| Note: HEPATOCLR ADEN TGLs = 1-21 | | | |
| Note: BASOPH FOCUS TGLs = 2-22 | | | |
| Lung | | Alveolar/Bronchiolar Adenoma | |
| Lymph Node | Mesenteric | Hemorrhage | Mild |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 51 | **TRT#:** 1 | **SEX:** Male | **DAY ON TEST:** 729 |
| | **DOSE:** 0% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47112 |

**ORGAN AND ACCOUNTABLE SITE STATUS**

| | | | |
|---|---|---|---|
| **NORMAL** | | | |
| Adrenal Gland - Medulla | Bone | Bone Marrow | Epididymis |
| Esophagus | Gallbladder | Heart | Intestine Large - Cecum |
| Intestine Large - Colon | Intestine Large - Rectum | Intestine Small - Ileum | Intestine Small - Jejunum |
| Islets, Pancreatic | Lung | Lymph Node - Mesenteric | Pancreas |
| Parathyroid Gland | Pituitary Gland | Prostate | Salivary Glands |
| Seminal Vesicle | Skeletal Muscle | Skin | Spleen |
| Stomach - Forestomach | Stomach - Glandular | Testes | Thyroid Gland |
| Tongue | Trachea | Urinary Bladder | |
| **MISSING** | | | |
| Intestine Small - Duodenum | Mammary Gland | Thymus | |
| **OBSERVATIONS** | | | |
| Adrenal Gland | Capsule, Cortex | Hyperplasia | Moderate |
| | Cortex | Hypertrophy | Focal, Moderate |
| Brain | Thalamus | Mineralization | Moderate |
| Kidney | | Mineralization | Minimal |
| | Renal Tubule | Regeneration | Mild |
| Liver | | Basophilic Focus | |
| | | Hepatocellular Adenoma | |
| Note: [ HEPATOCLR ADEN ] TGLs = 2-21 | | | |
| Note: [ BASOPH FOCUS ] TGLs = 3-22 | | | |
| Lymph Node | Mandibular | Hyperplasia | Lymphoid, Mild |
| Nose | Mucosa | Atrophy | Minimal |
| | Mucosa | Degeneration | Minimal |
| | Glands | Hyperplasia | Cystic, Minimal |
| PRIMARY CAUSE OF DEATH | - | | |

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 52 | **TRT#:** 1 | **SEX:** Male | **DAY ON TEST:** 729 |
| | **DOSE:** 0% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47113 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Medulla | Bone | Bone Marrow | Epididymis |
| Esophagus | Gallbladder | Heart | Intestine Large - Cecum |
| Intestine Large - Colon | Intestine Large - Rectum | Intestine Small - Duodenum | Intestine Small - Ileum |
| Intestine Small - Jejunum | Lung | Lymph Node - Mandibular | Pancreas |
| Parathyroid Gland | Pituitary Gland | Prostate | Seminal Vesicle |
| Skeletal Muscle | Skin | Spleen | Stomach - Forestomach |
| Stomach - Glandular | Testes | Thymus | Tongue |
| Trachea | Urinary Bladder | | |

**MISSING**

Mammary Gland

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Adrenal Gland | Cortex | Angiectasis | Moderate |
| | Capsule, Cortex | Hyperplasia | Mild |
| Brain | Thalamus | Mineralization | Mild |
| Islets, Pancreatic | | Hyperplasia | Moderate |
| Kidney | | Mineralization | Minimal |
| | Renal Tubule | Regeneration | Mild |
| Liver | | Clear Cell Focus | |
| Note: [ CLEAR CL FOCUS ] TGLs = 2-21 | | | |
| Lymph Node | Mesenteric | Hemorrhage | Mild |
| Nose | Mucosa | Atrophy | Minimal |
| | Mucosa | Degeneration | Minimal |
| Preputial Gland | | Ectasia | Marked |
| | | Inflammation | Chronic, Mild |
| Note: [ ECTASIA ] TGLs = 1-8 | | | |
| Salivary Glands | | Hyperplasia | Lymphoid, Minimal |
| Thyroid Gland | Follicular Cel | Hyperplasia | Minimal |
| Tooth | | Dysplasia | Mild |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 53 | **TRT#:** 1 | **SEX:** Male | **DAY ON TEST:** 729 |
| | **DOSE:** 0% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47114 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Medulla | Bone | Epididymis | Esophagus |
| Gallbladder | 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 | Pancreas |
| Parathyroid Gland | Prostate | Salivary Glands | Seminal Vesicle |
| Skeletal Muscle | Skin | Stomach - Glandular | Testes |
| Tongue | Trachea | Urinary Bladder | |

**MISSING**

| | |
|---|---|
| Mammary Gland | Thymus |

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Adrenal Gland | Cortex | Hyperplasia | Focal, Minimal |
| | Cortex | Hypertrophy | Focal, Minimal |
| Bone Marrow | | Hypercellularity | Mild |
| | | Pigmentation | Hemosiderin, Moderate |
| Brain | Thalamus | Mineralization | Mild |
| Kidney | | Cyst | |
| | Renal Tubule | Regeneration | Minimal |
| Liver | | Hepatocellular Carcinoma | Multiple, Three |
| Note: [ HEPATOCLR CARC ] TGLs = 3-22,4-23,5-24 | | | |
| Lymph Node | Mesenteric | Hematopoietic Cell Proliferation | Minimal |
| | Mesenteric | Hemorrhage | Mild |
| Note: [ HEMA CELL PROL ] TGLs = 6-5 | | | |
| Note: [ HEMORRHAGE ] TGLs = 6-5 | | | |
| Nose | Mucosa | Atrophy | Minimal |
| Pituitary Gland | Pars Distalis | Cyst | |
| Preputial Gland | | Ectasia | Mild |
| | | Inflammation | Chronic, Marked |
| | | Inflammation | Suppurative, Moderate |
| Note: [ INFLAMMATION ] TGLs = 1-21 | | | |
| Note: [ ECTASIA ] TGLs = 1-21 | | | |

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 53 | **TRT#:** 1 | **SEX:** Male | **DAY ON TEST:** 729 |
| | **DOSE:** 0% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47114 |

**ORGAN AND ACCOUNTABLE SITE STATUS**

| | | | |
|---|---|---|---|
| Spleen | | Hematopoietic Cell Proliferation | Moderate |
| Note: [ HEMA CELL PROL ] TGLs = 2-6 | | | |
| Stomach | Forestomach | Squamous Cell Papilloma | |
| Thyroid Gland | Follicle | Cyst | |
| | Follicular Cel | Hyperplasia | Minimal |

PRIMARY CAUSE OF DEATH -

Animal Note: GALLBLADDER IS ON SLIDE 23

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 54 | **TRT#:** 1 | **SEX:** Male | **DAY ON TEST:** 729 |
| | **DOSE:** 0% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47115 |

**ORGAN AND ACCOUNTABLE SITE STATUS**

| | | | |
|---|---|---|---|
| **NORMAL** | | | |
| Adrenal Gland - Medulla | Bone | Bone Marrow | Brain |
| Epididymis | Esophagus | Gallbladder | 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 | Nose | Pancreas |
| Parathyroid Gland | Pituitary Gland | Prostate | Salivary Glands |
| Seminal Vesicle | Skeletal Muscle | Skin | Spleen |
| Stomach - Forestomach | Stomach - Glandular | Testes | Thymus |
| Thyroid Gland | Tongue | Trachea | Urinary Bladder |
| **MISSING** | | | |
| Mammary Gland | | | |
| **OBSERVATIONS** | | | |
| Adrenal Gland | Cortex | Hypertrophy | Focal, Mild |
| Kidney | | Hyperplasia | Lymphoid, Minimal |
| | Renal Tubule | Regeneration | Minimal |
| Lymph Node | Mesenteric | Hyperplasia | Lymphoid, Mild |
| Tooth | | Dysplasia | Mild |
| PRIMARY CAUSE OF DEATH | - | | |

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 55 | **TRT#:** 1 | **SEX:** Male | **DAY ON TEST:** 458 |
| | **DOSE:** 0% | **DISP:** Scheduled Sacrifice | **HISTO:** 87-45173 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Cortex | Adrenal Gland - Medulla | Bone | Bone Marrow |
| Epididymis | Esophagus | Gallbladder | Heart |
| Intestine Large - Cecum | Intestine Large - Colon | Intestine Large - Rectum | Intestine Small - Duodenum |
| Intestine Small - Ileum | Islets, Pancreatic | Liver | Lung |
| Lymph Node - Mandibular | Lymph Node - Mesenteric | Nose | Pancreas |
| Parathyroid Gland | Pituitary Gland | Prostate | Salivary Glands |
| Seminal Vesicle | Skeletal Muscle | Skin | Spleen |
| Stomach - Forestomach | Stomach - Glandular | Testes | Thymus |
| Thyroid Gland | Tongue | Trachea | Urinary Bladder |

**MISSING**

Mammary Gland

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Brain | Thalamus | Mineralization | Minimal |
| Intestine Small | Jejunum | Carcinoma | |
| Note: CARCINOMA TGLs = 1-21 | | | |
| Kidney | | Mineralization | Minimal |
| | Renal Tubule | Regeneration | Minimal |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 56 | **TRT#:** 1 | **SEX:** Male | **DAY ON TEST:** 508 |
| | **DOSE:** 0% | **DISP:** Moribund Sacrifice | **HISTO:** 88-45508 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Cortex | Adrenal Gland - Medulla | Bone | Bone Marrow |
| Brain | Epididymis | Esophagus | Gallbladder |
| Heart | Intestine Large - Cecum | Intestine Large - Colon | Intestine Large - Rectum |
| Intestine Small - Duodenum | Intestine Small - Ileum | Intestine Small - Jejunum | Lymph Node - Mandibular |
| Lymph Node - Mesenteric | Pancreas | Parathyroid Gland | Pituitary Gland |
| Prostate | Salivary Glands | Seminal Vesicle | Skeletal Muscle |
| Skin | Stomach - Glandular | Testes | Thymus |
| Thyroid Gland | Tongue | Trachea | Urinary Bladder |

**MISSING**

Mammary Gland

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Islets, Pancreatic | | Hyperplasia | Minimal |
| Kidney | | Casts Protein | Mild |
| | | Mineralization | Minimal |
| | Renal Tubule | Regeneration | Moderate |
| Liver | | Hepatocellular Carcinoma | |
| Note: [ HEPATOCLR CARC ] TGLs = 1-21 | | | |
| Lung | | Alveolar/Bronchiolar Carcinoma | |
| | | Infiltration Cellular | Histiocyte, Moderate |
| Note: [ ALV BRON CARC ] TGLs = 2-2 | | | |
| Nose | Mucosa | Atrophy | Minimal |
| | Mucosa | Degeneration | Minimal |
| | Glands | Hyperplasia | Cystic, Minimal |
| Spleen | | Hematopoietic Cell Proliferation | Mild |
| Stomach | Forestomach, Mucosa | Hyperplasia | Moderate |
| | Forestomach | Inflammation | Subacute, Moderate |
| Note: [ INFLAMMATION ] TGLs = 3-4-1 | | | |
| Note: [ HYPERPLASIA ] TGLs = 3-4-1 | | | |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 57 | **TRT#:** 1 | **SEX:** Male | **DAY ON TEST:** 729 |
| | **DOSE:** 0% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47116 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Medulla | Bone | Bone Marrow | Epididymis |
| Esophagus | Gallbladder | Heart | 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 |
| Pancreas | Parathyroid Gland | Pituitary Gland | Prostate |
| Salivary Glands | Seminal Vesicle | Skeletal Muscle | Skin |
| Stomach - Forestomach | Stomach - Glandular | Testes | Thymus |
| Thyroid Gland | Tongue | Trachea | Urinary Bladder |

**MISSING**

Mammary Gland

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Adrenal Gland | Cortex | Vacuolization Cytoplasmic | Focal, Mild |
| Brain | Thalamus | Mineralization | Moderate |
| Islets, Pancreatic | | Cyst | |
| | | Hyperplasia | Mild |
| Kidney | | Cyst | |
| | | Hyperplasia | Lymphoid, Minimal |
| | Renal Tubule | Regeneration | Mild |
| Liver | | Hepatocellular Adenoma | |
| Nose | Mucosa | Atrophy | Minimal |
| | Mucosa | Degeneration | Minimal |
| Preputial Gland | | Ectasia | Marked |
| Note: [ ECTASIA ] TGLs = 1-8 | | | |
| Spleen | Lymph Follic | Hyperplasia | Marked |
| Note: [ HYPERPLASIA ] TGLs = 2-6 | | | |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 58 | **TRT#:** 1 | **SEX:** Male | **DAY ON TEST:** 729 |
| | **DOSE:** 0% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47117 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Cortex | Adrenal Gland - Medulla | Bone | Epididymis |
| Esophagus | Gallbladder | 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 | Prostate |
| Salivary Glands | Seminal Vesicle | Skeletal Muscle | Skin |
| Stomach - Forestomach | Stomach - Glandular | Testes | Thymus |
| Tongue | Trachea | Urinary Bladder | |

**MISSING**

Mammary Gland

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Bone Marrow | | Hypercellularity | Mild |
| | | Necrosis | Mild |
| Brain | Thalamus | Mineralization | Minimal |
| Harderian Gland | | Adenoma | |
| Note: [ ADENOMA ] TGLs = 4-9,4-23 | | | |
| Kidney | | Mineralization | Minimal |
| | Renal Tubule | Regeneration | Minimal |
| Liver | | Cholangiocarcinoma | |
| | | Hepatocellular Carcinoma | |
| | Kupffer Cell | Hyperplasia | Mild |
| | Lobules | Necrosis | Mild |
| Note: [ CHOLANGIOCARC ] TGLs = 2-21 | | | |
| Note: [ HEPATOCLR CARC ] TGLs = 3-22 | | | |
| Lung | | Cholangiocarcinoma | Metastatic (Liver) |
| Note: [ CHOLANGIOCARC ] TGLs = 5-2-1 | | | |
| Note: METAST. CHOLANGIOCARC ALSO PRESENT OF SLIDE 2 | | | |
| Mesentery | | Cholangiocarcinoma | Metastatic (Liver) |
| Note: METAST. CHOLANGIOCARC IS ON SLIDES 4, 7, & 10 | | | |
| Nose | Mucosa | Atrophy | Minimal |

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 58 | **TRT#:** 1 | **SEX:** Male | **DAY ON TEST:** 729 |
| | **DOSE:** 0% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47117 |

**ORGAN AND ACCOUNTABLE SITE STATUS**

| | | | |
|---|---|---|---|
| | Mucosa | Degeneration | Minimal |
| Preputial Gland | | Ectasia | Marked |
| | | Inflammation | Chronic, Mild |
| Note: [ ECTASIA ] TGLs = 1-8 | | | |
| Spleen | | Hematopoietic Cell Proliferation | Mild |
| Thyroid Gland | Follicle | Cyst | |
| PRIMARY CAUSE OF DEATH | - | | |

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 59 | **TRT#:** 1 | **SEX:** Male | **DAY ON TEST:** 729 |
| | **DOSE:** 0% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47118 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Medulla | Bone | Epididymis | Esophagus |
| Gallbladder | Heart | Intestine Large - Cecum | Intestine Large - Colon |
| Intestine Large - Rectum | Intestine Small - Duodenum | Intestine Small - Ileum | Islets, Pancreatic |
| Lymph Node - Mandibular | Pancreas | Parathyroid Gland | Pituitary Gland |
| Prostate | Salivary Glands | Seminal Vesicle | Skeletal Muscle |
| Skin | Stomach - Forestomach | Stomach - Glandular | Testes |
| Thymus | Thyroid Gland | Tongue | Trachea |
| Urinary Bladder | | | |

**MISSING**

Mammary Gland

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Adrenal Gland | Capsule, Cortex | Hyperplasia | Mild |
| | Cortex | Hypertrophy | Focal, Mild |
| Bone Marrow | | Hypercellularity | Mild |
| Brain | Thalamus | Mineralization | Moderate |
| Intestine Small | Jejunum | Carcinoma | |
| Note: [ CARCINOMA ] TGLs = 3-21 | | | |
| Kidney | | Cyst | |
| | | Hyperplasia | Lymphoid, Minimal |
| | | Mineralization | Minimal |
| | Renal Tubule | Regeneration | Minimal |
| Note: [ CYST ] TGLs = 5-5 | | | |
| Liver | | Hepatocellular Adenoma | |
| Note: [ HEPATOCLR ADEN ] TGLs = 4-22 | | | |
| Lung | | Alveolar/Bronchiolar Adenoma | |
| | | Hyperplasia | Lymphoid, Minimal |
| Note: [ ALV BRON ADEN ] TGLs = 6-2 | | | |
| Lymph Node | Mesenteric | Hyperplasia | Plasma Cell, Mild |
| Nose | Mucosa | Atrophy | Minimal |
| | Mucosa | Degeneration | Minimal |

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 59 | **TRT#:** 1 | **SEX:** Male | **DAY ON TEST:** 729 |
| | **DOSE:** 0% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47118 |

**ORGAN AND ACCOUNTABLE SITE STATUS**

| | | | |
|---|---|---|---|
| | Glands | Hyperplasia | Cystic, Moderate |
| Preputial Gland | | Ectasia | Moderate |
| | | Inflammation | Chronic, Moderate |
| Note: [ ECTASIA ] TGLs = 1-8 | | | |
| Spleen | | Hematopoietic Cell Proliferation | Moderate |
| Note: [ HEMA CELL PROL ] TGLs = 2-6 | | | |

PRIMARY CAUSE OF DEATH -

Animal Note: DILATATION OF PROSTATIC TUBULE; CONSIDERED ARTIFACT

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 60 | **TRT#:** 1 | **SEX:** Male | **DAY ON TEST:** 729 |
| | **DOSE:** 0% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47119 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Medulla | Bone | Bone Marrow | Epididymis |
| Esophagus | Gallbladder | Heart | 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 |
| Pancreas | Parathyroid Gland | Prostate | Skeletal Muscle |
| Skin | Spleen | Stomach - Forestomach | Stomach - Glandular |
| Testes | Thyroid Gland | Tongue | Trachea |

**MISSING**

Mammary Gland

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Adrenal Gland | Cortex | Hypertrophy | Focal, Mild |
| Brain | Thalamus | Mineralization | Minimal |
| Islets, Pancreatic | | Hyperplasia | Moderate |
| Kidney | | Cyst | |
| | | Mineralization | Minimal |
| | Renal Tubule | Regeneration | Mild |
| Liver | | Clear Cell Focus | |
| | | Hepatocellular Adenoma | Multiple, Two |
| | | Mixed Cell Focus | |
| | Hepatocyte | Vacuolization Cytoplasmic | Moderate |
| Note: [ MIXED CL FOCUS ] TGLs = 2-6,2-6-1,5-6-1,4-22 | | | |
| Note: HEPATOCLR ADEN ALSO ON SLIDE 6 | | | |
| Note: [ HEPATOCLR ADEN ] TGLs = 3-21 | | | |
| Nose | Glands | Hyperplasia | Cystic, Minimal |
| Pituitary Gland | Pars Distalis | Cyst | |
| Salivary Glands | | Hyperplasia | Lymphoid, Minimal |
| Seminal Vesicle | | Dilatation | Moderate |
| Note: [ DILATATION ] TGLs = 1-7 | | | |
| Thymus | | Cyst | |
| Urinary Bladder | | Hyperplasia | Lymphoid, Minimal |

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 60 | **TRT#:** 1 | **SEX:** Male | **DAY ON TEST:** 729 |
| | **DOSE:** 0% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47119 |

**ORGAN AND ACCOUNTABLE SITE STATUS**

| | |
|---|---|
| PRIMARY CAUSE OF DEATH | - |

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 61 | **TRT#:** 3 | **SEX:** Male | **DAY ON TEST:** 456 |
| | **DOSE:** .033% | **DISP:** Scheduled Sacrifice | **HISTO:** 87-45127 |

## ORGAN AND ACCOUNTABLE SITE STATUS

| | | | |
|---|---|---|---|
| **NORMAL** | | | |
| Adrenal Gland - Medulla | Bone | Bone Marrow | Epididymis |
| Gallbladder | Heart | Intestine Large - Colon | Intestine Large - Rectum |
| Intestine Small - Duodenum | Intestine Small - Ileum | Intestine Small - Jejunum | Liver |
| Lung | Lymph Node - Mesenteric | Nose | Pancreas |
| Parathyroid Gland | Pituitary Gland | Prostate | Seminal Vesicle |
| Skeletal Muscle | Skin | Spleen | Stomach - Forestomach |
| Stomach - Glandular | Testes | Thymus | Thyroid Gland |
| Tongue | Trachea | Urinary Bladder | |
| **MISSING** | | | |
| Esophagus | Intestine Large - Cecum | Lymph Node - Mandibular | Mammary Gland |
| **OBSERVATIONS** | | | |
| Adrenal Gland | Cortex | Hyperplasia | Focal, Minimal |
| Brain | Thalamus | Mineralization | Mild |
| Islets, Pancreatic | | Hyperplasia | Mild |
| Kidney | Renal Tubule | Dilatation | Minimal |
| | | Mineralization | Minimal |
| Preputial Gland | | Ectasia | Moderate |
| | | Inflammation | Chronic, Mild |
| Note: ECTASIA TGLs = 1-8 | | | |
| Salivary Glands | | Hyperplasia | Lymphoid, Minimal |
| PRIMARY CAUSE OF DEATH | - | | |

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 62 | **TRT#:** 3 | **SEX:** Male | **DAY ON TEST:** 732 |
| | **DOSE:** .033% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47820 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Medulla | Bone | Bone Marrow | Epididymis |
| Esophagus | Gallbladder | 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 | Prostate |
| Salivary Glands | Seminal Vesicle | Skeletal Muscle | Skin |
| Spleen | Stomach - Forestomach | Stomach - Glandular | Testes |
| Thymus | Thyroid Gland | Tongue | Trachea |
| Urinary Bladder | | | |

**MISSING**

Mammary Gland

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Adrenal Gland | Capsule, Cortex | Hyperplasia | Mild |
| Brain | Thalamus | Mineralization | Mild |
| Kidney | | Casts Protein | Minimal |
| | | Cyst | |
| | | Mineralization | Minimal |
| | Renal Tubule | Regeneration | Minimal |
| Liver | | Hepatocellular Carcinoma | Multiple, Two |
| Note: PORTION OF HEPATOCLR CARC ON SLIDES 4 AND 6 | | | |
| Note: [ HEPATOCLR CARC ] TGLs = 2-21,3-22 | | | |
| Lung | | Alveolar/Bronchiolar Adenoma | Multiple, Two |
| | | Infiltration Cellular | Histiocyte, Mild |
| Note: [ ALV BRON ADEN ] TGLs = 4-2-1,5-2-2 | | | |
| Nose | Mucosa | Atrophy | Minimal |
| | Mucosa | Degeneration | Minimal |
| | Glands | Hyperplasia | Cystic, Minimal |
| | Mucosa | Pigmentation | Minimal |
| Preputial Gland | | Ectasia | Moderate |
| Note: [ ECTASIA ] TGLs = 1-8 | | | |

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 62 | **TRT#:** 3 | **SEX:** Male | **DAY ON TEST:** 732 |
| | **DOSE:** .033% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47820 |

**ORGAN AND ACCOUNTABLE SITE STATUS**

| | |
|---|---|
| PRIMARY CAUSE OF DEATH | - |

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 63 | **TRT#:** 3 | **SEX:** Male | **DAY ON TEST:** 732 |
| | **DOSE:** .033% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47821 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Medulla | Bone | Bone Marrow | Epididymis |
| Esophagus | Gallbladder | Heart | 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 |
| Pancreas | Parathyroid Gland | Pituitary Gland | Prostate |
| Salivary Glands | Seminal Vesicle | Skeletal Muscle | Skin |
| Spleen | Stomach - Forestomach | Stomach - Glandular | Testes |
| Thyroid Gland | Tongue | Trachea | Urinary Bladder |

**MISSING**

Mammary Gland

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Adrenal Gland | Cortex | Accessory Adrenal Cortical Nodule | |
| | Cortex | Hyperplasia | Focal, Minimal |
| Brain | Thalamus | Mineralization | Mild |
| Islets, Pancreatic | | Hyperplasia | Mild |
| Kidney | | Hyperplasia | Lymphoid, Minimal |
| | | Mineralization | Minimal |
| | Renal Tubule | Regeneration | Mild |
| Liver | | Hepatocellular Adenoma | |
| Note: [ HEPATOCLR ADEN ] TGLs = 1-21 | | | |
| Nose | Mucosa | Atrophy | Minimal |
| | Mucosa | Degeneration | Minimal |
| | Glands | Hyperplasia | Cystic, Mild |
| | Mucosa | Pigmentation | Minimal |
| Thymus | | Cyst | |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 64 | **TRT#:** 3 | **SEX:** Male | **DAY ON TEST:** 732 |
| | **DOSE:** .033% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47822 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Medulla | Bone | Bone Marrow | Epididymis |
| Esophagus | Gallbladder | Heart | Intestine Large - Cecum |
| Intestine Large - Colon | Intestine Large - Rectum | Intestine Small - Duodenum | Intestine Small - Ileum |
| Islets, Pancreatic | Liver | Pancreas | Parathyroid Gland |
| Pituitary Gland | Prostate | Salivary Glands | Seminal Vesicle |
| Skeletal Muscle | Skin | Spleen | Stomach - Forestomach |
| Stomach - Glandular | Testes | Thymus | Thyroid Gland |
| Tongue | Trachea | Urinary Bladder | |

**MISSING**

Mammary Gland

**INSUFFICIENT TISSUE**

Lymph Node - Mandibular

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Adrenal Gland | Cortex | Vacuolization Cytoplasmic | Focal, Minimal |
| Brain | Thalamus | Mineralization | Mild |
| Intestine Small | Jejunum | Hyperplasia | Lymphoid, Moderate |
| Note: [ HYPERPLASIA ] TGLs = 2-21 | | | |
| Kidney | | Glomerulosclerosis | Minimal |
| | Transit Epithe | Hyperplasia | Minimal |
| | | Mineralization | Minimal |
| | Renal Tubule | Regeneration | Mild |
| Lung | | Alveolar/Bronchiolar Carcinoma | |
| | | Infiltration Cellular | Histiocyte, Moderate |
| Note: [ ALV BRON CARC ] TGLs = 3-2 | | | |
| Lymph Node | Mesenteric | Hyperplasia | Lymphoid, Marked |
| Nose | Mucosa | Degeneration | Minimal |
| | | Exudate | |
| | Glands | Hyperplasia | Cystic, Minimal |
| Preputial Gland | | Ectasia | Moderate |
| | | Inflammation | Suppurative, Moderate |

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 64 | **TRT#:** 3 | **SEX:** Male | **DAY ON TEST:** 732 |
| | **DOSE:** .033% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47822 |

**ORGAN AND ACCOUNTABLE SITE STATUS**

| | | |
|---|---|---|
| | Inflammation | Chronic, Moderate |
| Note: [ ECTASIA ] TGLs = 1-8 | | |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 65 | **TRT#:** 3 | **SEX:** Male | **DAY ON TEST:** 562 |
| | **DOSE:** .033% | **DISP:** Moribund Sacrifice | **HISTO:** 88-45711 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Cortex | Adrenal Gland - Medulla | Epididymis | Esophagus |
| Gallbladder | 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 |
| Pituitary Gland | Prostate | Salivary Glands | Seminal Vesicle |
| Stomach - Forestomach | Stomach - Glandular | Testes | Thyroid Gland |
| Tongue | Trachea | Urinary Bladder | |

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Bone | | Hemangiosarcoma | |
| Note: [ HEMANGIOSARC ] TGLs = 3-26,9-9 | | | |
| Bone Marrow | | Hemangiosarcoma | |
| Note: [ HEMANGIOSARC ] TGLs = 2-22,8-25 | | | |
| Brain | Thalamus | Mineralization | Minimal |
| Heart | Myocardium | Mineralization | Minimal |
| Kidney | | Mineralization | Minimal |
| | Renal Tubule | Regeneration | Minimal |
| Liver | | Hemangiosarcoma | |
| | Centrilobular | Necrosis | Moderate |
| Note: [ HEMANGIOSARC ] TGLs = 6-23,7-24 | | | |
| Nose | Mucosa | Atrophy | Minimal |
| | Mucosa | Degeneration | Mild |
| | Glands | Hyperplasia | Cystic, Minimal |
| Pancreas | Acinar Cell | Cytoplasmic Alteration | Mild |
| Parathyroid Gland | | Cyst | |
| Preputial Gland | | Ectasia | Moderate |
| | | Inflammation | Chronic, Mild |
| Note: [ ECTASIA ] TGLs = 11-27 | | | |
| Skeletal Muscle | | Hemangiosarcoma | |
| Note: [ HEMANGIOSARC ] TGLs = 8-25 | | | |
| Skin | Subcut Tiss | Edema | Moderate |

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 65 | **TRT#:** 3 | **SEX:** Male | **DAY ON TEST:** 562 |
| | **DOSE:** .033% | **DISP:** Moribund Sacrifice | **HISTO:** 88-45711 |

**ORGAN AND ACCOUNTABLE SITE STATUS**

| | | |
|---|---|---|
| | Hemorrhage | Moderate |
| Note: [ EDEMA ] TGLs = 1-8,1-21 | | |
| Note: [ HEMORRHAGE ] TGLs = 1-21 | | |
| Spleen | Hemangiosarcoma | |
| | Hematopoietic Cell Proliferation | Moderate |
| Note: [ HEMA CELL PROL ] TGLs = 5-6 | | |
| Note: [ HEMANGIOSARC ] TGLs = 5-6 | | |
| Thymus | Depletion Cellular | Moderate |
| PRIMARY CAUSE OF DEATH | - | |

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 66 | **TRT#:** 3 | **SEX:** Male | **DAY ON TEST:** 732 |
| | **DOSE:** .033% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47823 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Medulla | Bone | Bone Marrow | Epididymis |
| Esophagus | Gallbladder | Heart | Intestine Large - Cecum |
| Intestine Large - Colon | Intestine Large - Rectum | Intestine Small - Duodenum | Intestine Small - Ileum |
| Intestine Small - Jejunum | Lung | Lymph Node - Mandibular | Pancreas |
| Parathyroid Gland | Prostate | Salivary Glands | Seminal Vesicle |
| Skeletal Muscle | Skin | Spleen | Stomach - Glandular |
| Testes | Thymus | Tongue | Trachea |
| Urinary Bladder | | | |

**MISSING**

Mammary Gland

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Adrenal Gland | Cortex | Hyperplasia | Focal, Moderate |
| Brain | Thalamus | Mineralization | Moderate |
| Islets, Pancreatic | | Hyperplasia | Mild |
| Kidney | | Cyst | |
| | | Mineralization | Minimal |
| | Renal Tubule | Regeneration | Minimal |
| Liver | | Hepatocellular Adenoma | |
| Note: [ HEPATOCLR ADEN ] TGLs = 2-21 | | | |
| Lymph Node | Mesenteric | Hemorrhage | Mild |
| Nose | Mucosa | Atrophy | Minimal |
| | Mucosa | Degeneration | Minimal |
| | | Exudate | |
| | Glands | Hyperplasia | Cystic, Mild |
| | Mucosa | Pigmentation | Minimal |
| Pituitary Gland | Pars Distalis | Cyst | |
| Preputial Gland | | Ectasia | Moderate |
| | | Inflammation | Chronic, Mild |
| Note: [ ECTASIA ] TGLs = 1-8 | | | |
| Stomach | Forestomach | Squamous Cell Papilloma | |

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 66 | **TRT#:** 3 | **SEX:** Male | **DAY ON TEST:** 732 |
| | **DOSE:** .033% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47823 |

**ORGAN AND ACCOUNTABLE SITE STATUS**

| | | | |
|---|---|---|---|
| Note: [ PAPILLOMA SQUA ] TGLs = 3-4-1 | | | |
| Thyroid Gland | Follicle | Cyst | |
| | Follicular Cel | Hyperplasia | Minimal |
| PRIMARY CAUSE OF DEATH | - | | |

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 67 | **TRT#:** 3 | **SEX:** Male | **DAY ON TEST:** 456 |
| | **DOSE:** .033% | **DISP:** Scheduled Sacrifice | **HISTO:** 87-45128 |

**ORGAN AND ACCOUNTABLE SITE STATUS**

| | | | |
|---|---|---|---|
| **NORMAL** | | | |
| Adrenal Gland - Medulla | Bone | Bone Marrow | Epididymis |
| Gallbladder | Heart | Intestine Large - Cecum | Intestine Large - Colon |
| Intestine Large - Rectum | Intestine Small - Duodenum | Intestine Small - Ileum | Intestine Small - Jejunum |
| Liver | Lung | Lymph Node - Mandibular | Lymph Node - Mesenteric |
| Pancreas | Parathyroid Gland | Pituitary Gland | Prostate |
| Salivary Glands | Seminal Vesicle | Skeletal Muscle | Skin |
| Spleen | Stomach - Forestomach | Stomach - Glandular | Testes |
| Thymus | Thyroid Gland | Tongue | Trachea |
| Urinary Bladder | | | |
| **MISSING** | | | |
| Esophagus | Mammary Gland | | |
| **OBSERVATIONS** | | | |
| Adrenal Gland | Cortex | Hyperplasia | Focal, Minimal |
| Brain | Thalamus | Mineralization | Mild |
| Islets, Pancreatic | | Hyperplasia | Mild |
| Kidney | | Hyperplasia | Lymphoid, Minimal |
| Nose | Mucosa | Atrophy | Minimal |
| PRIMARY CAUSE OF DEATH | - | | |

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 68 | **TRT#:** 3 | **SEX:** Male | **DAY ON TEST:** 733 |
| | **DOSE:** .033% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47824 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Cortex | Adrenal Gland - Medulla | Bone | Epididymis |
| Esophagus | Gallbladder | Heart | Intestine Large - Cecum |
| Intestine Large - Colon | Intestine Large - Rectum | Intestine Small - Duodenum | Intestine Small - Ileum |
| Islets, Pancreatic | Lung | Pancreas | Parathyroid Gland |
| Pituitary Gland | Salivary Glands | Seminal Vesicle | Skeletal Muscle |
| Skin | Stomach - Forestomach | Testes | Thyroid Gland |
| Tongue | Trachea | Urinary Bladder | |

**MISSING**

| | |
|---|---|
| Mammary Gland | Thymus |

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Bone Marrow | | Hypercellularity | Mild |
| Brain | Thalamus | Mineralization | Mild |
| Intestine Small | Jejunum | Carcinoma | |
| Note: [ CARCINOMA ] TGLs = 3-21 | | | |
| Kidney | | Cyst | |
| | | Hyperplasia | Lymphoid, Minimal |
| | | Mineralization | Minimal |
| Liver | | Inflammation | Subacute, Minimal |
| Lymph Node | Mesenteric | Ectasia | Mild |
| | Mesenteric | Hemorrhage | Moderate |
| | Mandibular | Hyperplasia | Lymphoid, Moderate |
| | Mesenteric | Hyperplasia | Plasma Cell, Mild |
| Note: [ ECTASIA ] TGLs = 2-5 | | | |
| Note: [ HYPERPLASIA ] TGLs = 2-5 | | | |
| Note: [ HEMORRHAGE ] TGLs = 2-5 | | | |
| Nose | Mucosa | Atrophy | Minimal |
| | Mucosa | Degeneration | Minimal |
| | | Exudate | |
| | Glands | Hyperplasia | Cystic, Mild |
| | Mucosa | Pigmentation | Minimal |

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 68 | **TRT#:** 3 | **SEX:** Male | **DAY ON TEST:** 733 |
| | **DOSE:** .033% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47824 |

**ORGAN AND ACCOUNTABLE SITE STATUS**

| | | | |
|---|---|---|---|
| Prostate | | Inflammation | Chronic, Minimal |
| Spleen | | Hematopoietic Cell Proliferation | Moderate |
| Note: [ HEMA CELL PROL ] TGLs = 1-6 | | | |
| Stomach | Glandular | Cyst | |
| PRIMARY CAUSE OF DEATH | - | | |

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 69 | **TRT#:** 3 | **SEX:** Male | **DAY ON TEST:** 733 |
| | **DOSE:** .033% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47825 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Medulla | Bone | Bone Marrow | Epididymis |
| Esophagus | Gallbladder | 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 | Pancreas | Parathyroid Gland | Pituitary Gland |
| Prostate | Salivary Glands | Seminal Vesicle | Skeletal Muscle |
| Skin | Spleen | Stomach - Forestomach | Stomach - Glandular |
| Testes | Thyroid Gland | Tongue | Trachea |
| Urinary Bladder | | | |

**MISSING**

Mammary Gland

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Adrenal Gland | Cortex | Accessory Adrenal Cortical Nodule | |
| | Cortex | Hypertrophy | Focal, Minimal |
| Brain | Thalamus | Mineralization | Mild |
| Kidney | | Cyst | |
| | | Hyperplasia | Lymphoid, Minimal |
| | | Mineralization | Mild |
| | Renal Tubule | Regeneration | Minimal |
| Lymph Node | Mesenteric | Hemorrhage | Mild |
| Note: [ HEMORRHAGE ] TGLs = 2-5 | | | |
| Nose | Mucosa | Atrophy | Minimal |
| | Mucosa | Degeneration | Minimal |
| | | Exudate | |
| | Glands | Hyperplasia | Cystic, Mild |
| | Mucosa | Pigmentation | Minimal |
| Preputial Gland | | Ectasia | Marked |
| | | Inflammation | Chronic, Mild |
| Note: [ ECTASIA ] TGLs = 1-8 | | | |
| Thymus | | Cyst | |

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 69 | **TRT#:** 3 | **SEX:** Male | **DAY ON TEST:** 733 |
| | **DOSE:** .033% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47825 |

**ORGAN AND ACCOUNTABLE SITE STATUS**

| | |
|---|---|
| PRIMARY CAUSE OF DEATH | - |

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 70 | **TRT#:** 3 | **SEX:** Male | **DAY ON TEST:** 733 |
| | **DOSE:** .033% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47826 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Cortex | Adrenal Gland - Medulla | Bone | Esophagus |
| Gallbladder | 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 | Pancreas | Parathyroid Gland | Pituitary Gland |
| Prostate | Salivary Glands | Seminal Vesicle | Skeletal Muscle |
| Skin | Spleen | Stomach - Forestomach | Stomach - Glandular |
| Testes | Thymus | Thyroid Gland | Tongue |
| Trachea | Urinary Bladder | | |

**MISSING**

Mammary Gland

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Bone Marrow | | Hypercellularity | Moderate |
| Brain | Thalamus | Mineralization | Mild |
| Epididymis | | Inflammation | Chronic, Marked |
| Note: CHRONIC INFLAMM. INCLUDES EXTENSIVE FIBROSIS | | | |
| Kidney | | Casts Protein | Minimal |
| | | Mineralization | Minimal |
| | Renal Tubule | Regeneration | Minimal |
| Nose | Mucosa | Atrophy | Minimal |
| | Mucosa | Degeneration | Minimal |
| | | Exudate | |
| | Glands | Hyperplasia | Cystic, Minimal |
| | Mucosa | Pigmentation | Minimal |
| Preputial Gland | | Ectasia | Marked |
| | | Inflammation | Suppurative, Marked |
| | | Inflammation | Chronic, Marked |
| Note: [ INFLAMMATION ] TGLs = 1-8 | | | |
| Note: [ ECTASIA ] TGLs = 1-8 | | | |
| Note: [ INFLAMMATION ] TGLs = 1-8 | | | |

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 70 | **TRT#:** 3 | **SEX:** Male | **DAY ON TEST:** 733 |
| | **DOSE:** .033% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47826 |

**ORGAN AND ACCOUNTABLE SITE STATUS**

| | |
|---|---|
| PRIMARY CAUSE OF DEATH | - |

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 71 | **TRT#:** 3 | **SEX:** Male | **DAY ON TEST:** 733 |
| | **DOSE:** .033% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47827 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Medulla | Bone | Bone Marrow | Epididymis |
| Esophagus | Gallbladder | Heart | Intestine Large - Cecum |
| Intestine Large - Colon | Intestine Large - Rectum | Intestine Small - Duodenum | Intestine Small - Jejunum |
| Islets, Pancreatic | Lung | Lymph Node - Mandibular | Lymph Node - Mesenteric |
| Pancreas | Parathyroid Gland | Pituitary Gland | Preputial Gland |
| Prostate | Salivary Glands | Seminal Vesicle | Skeletal Muscle |
| Skin | Spleen | Stomach - Forestomach | Stomach - Glandular |
| Testes | Thymus | Tongue | Trachea |
| Urinary Bladder | | | |

**MISSING**

| | |
|---|---|
| Intestine Small - Ileum | Mammary Gland |

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Adrenal Gland | Cortex | Hyperplasia | Focal, Mild |
| Brain | Thalamus | Mineralization | Moderate |
| Kidney | | Casts Protein | Minimal |
| | | Cyst | |
| | Renal Tubule | Hyperplasia | Minimal |
| | | Mineralization | Mild |
| | Renal Tubule | Regeneration | Mild |
| Note: HYPERPLASTIC TUBULE IS IN PAPILLA | | | |
| Liver | | Mixed Cell Focus | |
| Nose | Mucosa | Atrophy | Minimal |
| | Mucosa | Degeneration | Minimal |
| | | Exudate | |
| | Glands | Hyperplasia | Cystic, Minimal |
| | Mucosa | Pigmentation | Minimal |
| Thyroid Gland | Follicular Cel | Hyperplasia | Minimal |
| Tooth | | Dysplasia | Mild |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 71 | **TRT#:** 3 | **SEX:** Male | **DAY ON TEST:** 733 |
| | **DOSE:** .033% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47827 |

**ORGAN AND ACCOUNTABLE SITE STATUS**

Animal Note: CLUSTER OF SQUAMOUS CELLS NEAR GLANDULAR/FORESTOMACH
Animal Note: JUNCTION;  NOT CODED

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 72 | **TRT#:** 3 | **SEX:** Male | **DAY ON TEST:** 457 |
| | **DOSE:** .033% | **DISP:** Scheduled Sacrifice | **HISTO:** 87-45139 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Cortex | Adrenal Gland - Medulla | Bone | Bone Marrow |
| Epididymis | Esophagus | Gallbladder | 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 | Pancreas | Parathyroid Gland |
| Pituitary Gland | Prostate | Salivary Glands | Seminal Vesicle |
| Skeletal Muscle | Skin | Spleen | Stomach - Forestomach |
| Stomach - Glandular | Testes | Thymus | Thyroid Gland |
| Tongue | Trachea | Urinary Bladder | |

**MISSING**

Mammary Gland

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Brain | Thalamus | Mineralization | Moderate |
| Kidney | | Mineralization | Minimal |
| | Renal Tubule | Regeneration | Minimal |
| Lung | | Hemorrhage | Minimal |
| Nose | Mucosa | Atrophy | Minimal |
| | Mucosa | Degeneration | Mild |
| | Glands | Hyperplasia | Cystic, Minimal |
| | Mucosa | Pigmentation | Minimal |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 73 | **TRT#:** 3 | **SEX:** Male | **DAY ON TEST:** 724 |
| | **DOSE:** .033% | **DISP:** Moribund Sacrifice | **HISTO:** 88-47056 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Medulla | Bone | Brain | Epididymis |
| Esophagus | Gallbladder | Heart | Intestine Large - Cecum |
| Intestine Large - Colon | Intestine Large - Rectum | Intestine Small - Duodenum | Intestine Small - Ileum |
| Intestine Small - Jejunum | Islets, Pancreatic | Lymph Node - Mandibular | Pancreas |
| Parathyroid Gland | Pituitary Gland | Prostate | Salivary Glands |
| Seminal Vesicle | Skeletal Muscle | Skin | Stomach - Forestomach |
| Stomach - Glandular | Testes | Thymus | Thyroid Gland |
| Tongue | Trachea | Urinary Bladder | |

**MISSING**

| | |
|---|---|
| Lymph Node - Mesenteric | Mammary Gland |

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Adrenal Gland | Cortex | Accessory Adrenal Cortical Nodule | |
| Bone Marrow | | Hypercellularity | Mild |
| Kidney | | Mineralization | Minimal |
| Liver | | Hepatocellular Carcinoma | Multiple, Two |
| | Kupffer Cell | Hyperplasia | Moderate |
| | | Thrombosis | |
| Note: THROMBI ARE IN BLOOD VESSELS NEAR GALLBLADDER ATTACHMENT | | | |
| Note: [ HEPATOCLR CARC ] TGLs = 3-21,4-22 | | | |
| Lung | | Hepatocellular Carcinoma | Metastatic (Liver) |
| | | Infiltration Cellular | Histiocyte, Mild |
| Note: [ HEPATOCLR CARC ] TGLs = 5-2,6-2-1 | | | |
| Nose | Mucosa | Atrophy | Minimal |
| | Mucosa | Degeneration | Minimal |
| | Mucosa | Pigmentation | Minimal |
| Preputial Gland | | Ectasia | Moderate |
| | | Inflammation | Chronic, Mild |
| Note: [ ECTASIA ] TGLs = 1-8 | | | |
| Spleen | Lymph Follic | Atrophy | Mild |
| | | Hematopoietic Cell Proliferation | Moderate |

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 73 | **TRT#:** 3 | **SEX:** Male | **DAY ON TEST:** 724 |
| | **DOSE:** .033% | **DISP:** Moribund Sacrifice | **HISTO:** 88-47056 |

**ORGAN AND ACCOUNTABLE SITE STATUS**

Note: [ HEMA CELL PROL ] TGLs = 2-6

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 74 | **TRT#:** 3 | **SEX:** Male | **DAY ON TEST:** 733 |
| | **DOSE:** .033% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47828 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Medulla | Bone | Bone Marrow | Epididymis |
| Esophagus | Gallbladder | Heart | Intestine Large - Cecum |
| Intestine Large - Colon | Intestine Large - Rectum | Intestine Small - Duodenum | Intestine Small - Ileum |
| Intestine Small - Jejunum | Liver | Lung | Lymph Node - Mandibular |
| Lymph Node - Mesenteric | Pancreas | Parathyroid Gland | Pituitary Gland |
| Prostate | Salivary Glands | Seminal Vesicle | Skeletal Muscle |
| Skin | Spleen | Stomach - Forestomach | Stomach - Glandular |
| Testes | Tongue | Trachea | Urinary Bladder |

**MISSING**

| | |
|---|---|
| Mammary Gland | Thymus |

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Adrenal Gland | Cortex | Adenoma | |
| | Capsule, Cortex | Hyperplasia | Mild |
| | Cortex | Hypertrophy | Focal, Mild |
| Brain | Thalamus | Mineralization | Moderate |
| Islets, Pancreatic | | Hyperplasia | Mild |
| Kidney | | Cyst | |
| | | Hyperplasia | Lymphoid, Minimal |
| | | Mineralization | Minimal |
| | Renal Tubule | Regeneration | Minimal |
| Nose | Mucosa | Atrophy | Minimal |
| | Mucosa | Degeneration | Minimal |
| | Mucosa | Pigmentation | Minimal |
| Preputial Gland | | Ectasia | Moderate |
| | | Inflammation | Chronic, Moderate |
| Note: [ INFLAMMATION ] TGLs = 2-8 | | | |
| Note: [ ECTASIA ] TGLs = 1-8 | | | |
| Thyroid Gland | Follicular Cel | Adenoma | |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 75 | **TRT#:** 3 | **SEX:** Male | **DAY ON TEST:** 733 |
| | **DOSE:** .033% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47829 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Medulla | Bone | Bone Marrow | Epididymis |
| Esophagus | Gallbladder | 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 |
| Parathyroid Gland | Pituitary Gland | Preputial Gland | Prostate |
| Salivary Glands | Seminal Vesicle | Skeletal Muscle | Skin |
| Spleen | Stomach - Forestomach | Testes | Thymus |
| Thyroid Gland | Tongue | Trachea | Urinary Bladder |

**MISSING**

Mammary Gland

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Adrenal Gland | Cortex | Accessory Adrenal Cortical Nodule | |
| | Capsule, Cortex | Hyperplasia | Mild |
| | Cortex | Hypertrophy | Focal, Mild |
| Brain | Thalamus | Mineralization | Moderate |
| Kidney | | Cyst | |
| | | Mineralization | Mild |
| | Renal Tubule | Regeneration | Minimal |
| Liver | | Hepatocellular Adenoma | |
| Note: [ HEPATOCLR ADEN ] TGLs = 1-21 | | | |
| Lymph Node | Mesenteric | Hemorrhage | Mild |
| Note: [ HEMORRHAGE ] TGLs = 3-5 | | | |
| Nose | Mucosa | Atrophy | Minimal |
| | Mucosa | Degeneration | Minimal |
| | | Exudate | |
| | Glands | Hyperplasia | Cystic, Minimal |
| | Mucosa | Pigmentation | Minimal |
| Pancreas | | Focal Cellular Change | |
| Stomach | Glandular | Cyst | |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 75 | **TRT#:** 3 | **SEX:** Male | **DAY ON TEST:** 733 |
| | **DOSE:** .033% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47829 |

**ORGAN AND ACCOUNTABLE SITE STATUS**

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 76 | **TRT#:** 3 | **SEX:** Male | **DAY ON TEST:** 733 |
| | **DOSE:** .033% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47830 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Medulla | Bone | Bone Marrow | Epididymis |
| Esophagus | Gallbladder | 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 |
| Pancreas | Parathyroid Gland | Pituitary Gland | Prostate |
| Salivary Glands | Seminal Vesicle | Skeletal Muscle | Skin |
| Spleen | Stomach - Forestomach | Testes | Thymus |
| Thyroid Gland | Tongue | Trachea | Urinary Bladder |

**MISSING**

Mammary Gland

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Adrenal Gland | Cortex | Accessory Adrenal Cortical Nodule | |
| | Cortex | Vacuolization Cytoplasmic | Focal, Mild |
| Brain | Thalamus | Mineralization | Minimal |
| Kidney | Renal Tubule | Atrophy | Mild |
| | | Cyst | |
| | | Mineralization | Minimal |
| | Renal Tubule | Regeneration | Mild |
| Liver | | Hepatocellular Adenoma | |
| | | Mixed Cell Focus | |
| Note: [ MIXED CL FOCUS ] TGLs = 4-23 | | | |
| Note: [ HEPATOCLR ADEN ] TGLs = 3-22 | | | |
| Lymph Node | Mesenteric | Hemorrhage | Mild |
| | Mesenteric | Hyperplasia | Lymphoid, Moderate |
| Note: [ HEMORRHAGE ] TGLs = 2-5 | | | |
| Nose | Mucosa | Atrophy | Minimal |
| | Mucosa | Degeneration | Minimal |
| | Glands | Hyperplasia | Cystic, Minimal |
| | Mucosa | Pigmentation | Minimal |
| Preputial Gland | | Ectasia | Moderate |

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 76 | **TRT#:** 3 | **SEX:** Male | **DAY ON TEST:** 733 |
| | **DOSE:** .033% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47830 |

**ORGAN AND ACCOUNTABLE SITE STATUS**

| | | | |
|---|---|---|---|
| | | Inflammation | Chronic, Mild |
| Note: [ ECTASIA ] TGLs = 1-21 | | | |
| Stomach | Glandular | Cyst | |
| PRIMARY CAUSE OF DEATH | - | | |

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 77 | **TRT#:** 3 | **SEX:** Male | **DAY ON TEST:** 733 |
| | **DOSE:** .033% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47831 |

**ORGAN AND ACCOUNTABLE SITE STATUS**

| | | | |
|---|---|---|---|
| **NORMAL** | | | |
| Adrenal Gland - Medulla | Bone | Bone Marrow | Brain |
| Epididymis | Esophagus | Gallbladder | 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 | Pituitary Gland | Prostate |
| Salivary Glands | Seminal Vesicle | Skeletal Muscle | Skin |
| Spleen | Stomach - Glandular | Testes | Thymus |
| Thyroid Gland | Tongue | Trachea | Urinary Bladder |
| **MISSING** | | | |
| Mammary Gland | | | |
| **OBSERVATIONS** | | | |
| Adrenal Gland | Cortex | Hypertrophy | Focal, Mild |
| Kidney | | Casts Protein | Minimal |
| | | Mineralization | Minimal |
| | Renal Tubule | Regeneration | Minimal |
| Liver | | Hepatocellular Carcinoma | |
| Note: [ HEPATOCLR CARC ] TGLs = 1-21 | | | |
| Lung | Alveolar Epith | Hyperplasia | Mild |
| Lymph Node | Mandibular | Hyperplasia | Plasma Cell, Mild |
| Nose | Mucosa | Atrophy | Minimal |
| | Mucosa | Degeneration | Minimal |
| | Glands | Hyperplasia | Cystic, Minimal |
| | Mucosa | Pigmentation | Minimal |
| Stomach | Forestomach | Diverticulum | Minimal |
| PRIMARY CAUSE OF DEATH | - | | |

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 78 | **TRT#:** 3 | **SEX:** Male | **DAY ON TEST:** 733 |
| | **DOSE:** .033% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47832 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Medulla | Bone | Bone Marrow | Epididymis |
| Esophagus | Gallbladder | Heart | Intestine Large - Cecum |
| Intestine Large - Colon | Intestine Large - Rectum | Intestine Small - Duodenum | Intestine Small - Ileum |
| Intestine Small - Jejunum | Lymph Node - Mandibular | Pancreas | Parathyroid Gland |
| Pituitary Gland | Salivary Glands | Skeletal Muscle | Skin |
| Spleen | Stomach - Forestomach | Stomach - Glandular | Testes |
| Thymus | Thyroid Gland | Tongue | Trachea |
| Urinary Bladder | | | |

**MISSING**

Mammary Gland

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Adrenal Gland | Cortex | Hypertrophy | Focal, Mild |
| Brain | Thalamus | Mineralization | Minimal |
| Coagulating Gland | | Dilatation | Marked |
| Note: [ DILATATION ] TGLs = 2-7 | | | |
| Islets, Pancreatic | | Hyperplasia | Mild |
| Kidney | | Casts Protein | Minimal |
| | | Glomerulosclerosis | Minimal |
| | | Hyperplasia | Lymphoid, Mild |
| | | Mineralization | Mild |
| | Renal Tubule | Regeneration | Mild |
| Liver | | Hepatocellular Adenoma | Multiple, Three |
| | | Hepatocellular Carcinoma | Multiple, Two |
| Note: [ HEPATOCLR ADEN ] TGLs = 8-23 | | | |
| Note: TWO HEPATOCLR ADENOMAS ARE ON SLIDE 6 | | | |
| Note: [ HEPATOCLR CARC ] TGLs = 6-21,7-22 | | | |
| Lung | | Alveolar/Bronchiolar Adenoma | |
| Lymph Node | Mesenteric | Hematopoietic Cell Proliferation | Minimal |
| | Mesenteric | Hemorrhage | Minimal |
| Nose | Mucosa | Atrophy | Minimal |

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 78 | **TRT#:** 3 | **SEX:** Male | **DAY ON TEST:** 733 |
| | **DOSE:** .033% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47832 |

**ORGAN AND ACCOUNTABLE SITE STATUS**

| | | | |
|---|---|---|---|
| | Mucosa | Degeneration | Minimal |
| | | Exudate | |
| | Glands | Hyperplasia | Cystic, Mild |
| | Mucosa | Pigmentation | Minimal |
| Preputial Gland | | Ectasia | Moderate |
| | | Inflammation | Suppurative, Moderate |
| | | Inflammation | Chronic, Moderate |
| Note: [ INFLAMMATION ] TGLs = 1-8 | | | |
| Note: [ ECTASIA ] TGLs = 1-8 | | | |
| Note: [ INFLAMMATION ] TGLs = 1-8 | | | |
| Note: AREA OF INFLAMM. CONTAINS NESTS OF SQUAMOUS CELLS; NOT | | | |
| Note: CODED | | | |
| Prostate | | Inflammation | Chronic, Minimal |
| Note: [ INFLAMMATION ] TGLs = 5-7 | | | |
| Seminal Vesicle | | Dilatation | Moderate |
| Note: [ DILATATION ] TGLs = 3-7,4-7 | | | |
| Tooth | | Dysplasia | Mild |
| PRIMARY CAUSE OF DEATH | - | | |

Animal Note: GALLBLADDER IS ON SLIDE 21

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 79 | **TRT#:** 3 | **SEX:** Male | **DAY ON TEST:** 732 |
| | **DOSE:** .033% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47833 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Medulla | Bone | Bone Marrow | Brain |
| Epididymis | Esophagus | Gallbladder | Heart |
| Intestine Large - Cecum | Intestine Large - Colon | Intestine Large - Rectum | Intestine Small - Duodenum |
| Intestine Small - Ileum | Intestine Small - Jejunum | Lung | Lymph Node - Mandibular |
| Pancreas | Parathyroid Gland | Pituitary Gland | Prostate |
| Salivary Glands | Seminal Vesicle | Skeletal Muscle | Skin |
| Stomach - Forestomach | Stomach - Glandular | Testes | Thymus |
| Thyroid Gland | Tongue | Trachea | Urinary Bladder |

**MISSING**

Mammary Gland

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Adrenal Gland | Cortex | Angiectasis | Mild |
| Islets, Pancreatic | | Hyperplasia | Mild |
| Kidney | | Casts Protein | Mild |
| | | Cyst | |
| | | Hyperplasia | Lymphoid, Minimal |
| | Renal Tubule | Regeneration | Mild |
| Liver | | Basophilic Focus | |
| | | Hepatocellular Adenoma | |
| | | Hepatocellular Carcinoma | |
| Note: PORTION OF HEPATOCLR CARC ON SLIDE 6 | | | |
| Note: [ HEPATOCLR CARC ] TGLs = 6-22 | | | |
| Note: [ BASOPH FOCUS ] TGLs = 5-21 | | | |
| Lymph Node | Mesenteric | Hematopoietic Cell Proliferation | Mild |
| | Mesenteric | Hemorrhage | Mild |
| | Mesenteric | Pigmentation | Moderate |
| Note: [ HEMORRHAGE ] TGLs = 4-5 | | | |
| Note: [ HEMA CELL PROL ] TGLs = 4-5 | | | |
| Note: [ PIGMENT ] TGLs = 4-5 | | | |
| Nose | Mucosa | Atrophy | Minimal |

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 79 | **TRT#:** 3 | **SEX:** Male | **DAY ON TEST:** 732 |
| | **DOSE:** .033% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47833 |

**ORGAN AND ACCOUNTABLE SITE STATUS**

| | | | |
|---|---|---|---|
| | Mucosa | Degeneration | Minimal |
| | Glands | Hyperplasia | Cystic, Minimal |
| | Mucosa | Pigmentation | Minimal |
| Preputial Gland | | Ectasia | Mild |
| | | Inflammation | Chronic, Marked |
| Note: [ INFLAMMATION ] TGLs = 1-8 | | | |
| Note: [ ECTASIA ] TGLs = 2-8 | | | |
| Spleen | | Hematopoietic Cell Proliferation | Moderate |
| Note: [ HEMA CELL PROL ] TGLs = 3-6 | | | |
| PRIMARY CAUSE OF DEATH | - | | |

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 80 | **TRT#:** 3 | **SEX:** Male | **DAY ON TEST:** 457 |
| | **DOSE:** .033% | **DISP:** Scheduled Sacrifice | **HISTO:** 87-45140 |

**ORGAN AND ACCOUNTABLE SITE STATUS**

| | | | |
|---|---|---|---|
| **NORMAL** | | | |
| Adrenal Gland - Cortex | Adrenal Gland - Medulla | Bone | Bone Marrow |
| Brain | Epididymis | Esophagus | Gallbladder |
| 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 |
| Pancreas | Parathyroid Gland | Pituitary Gland | Prostate |
| Salivary Glands | Seminal Vesicle | Skeletal Muscle | Skin |
| Spleen | Stomach - Forestomach | Testes | Thymus |
| Thyroid Gland | Trachea | Urinary Bladder | |
| **MISSING** | | | |
| Mammary Gland | | | |
| **OBSERVATIONS** | | | |
| Kidney | | Mineralization | Minimal |
| Nose | Mucosa | Atrophy | Minimal |
| | Mucosa | Degeneration | Minimal |
| | Mucosa | Pigmentation | Minimal |
| Stomach | Glandular | Cyst | |
| Tongue | | Inflammation | Chronic, Mild |
| PRIMARY CAUSE OF DEATH | - | | |

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 81 | **TRT#:** 3 | **SEX:** Male | **DAY ON TEST:** 732 |
| | **DOSE:** .033% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47834 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Cortex | Adrenal Gland - Medulla | Bone | Bone Marrow |
| Brain | Epididymis | Esophagus | Gallbladder |
| Heart | Intestine Large - Colon | Intestine Large - Rectum | Intestine Small - Duodenum |
| Intestine Small - Ileum | Intestine Small - Jejunum | Islets, Pancreatic | Lung |
| Lymph Node - Mandibular | Pancreas | Pituitary Gland | Prostate |
| Salivary Glands | Seminal Vesicle | Skeletal Muscle | Skin |
| Stomach - Forestomach | Stomach - Glandular | Testes | Thyroid Gland |
| Tongue | Trachea | Urinary Bladder | |

**MISSING**

| | |
|---|---|
| Intestine Large - Cecum | Mammary Gland |

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Kidney | | Casts Protein | Minimal |
| | | Mineralization | Minimal |
| | Renal Tubule | Regeneration | Minimal |
| Liver | | Hepatocellular Carcinoma | |
| Note: SMOOTH MUSCLE PROLIF. NOT CODED | | | |
| Note: [ HEPATOCLR CARC ] TGLs = 2-21 | | | |
| Note: FOCAL AREA OF SMOOTH MUSCLE PROLIF. ASSOC. W/ HEPATIC VEIN | | | |
| Lymph Node | Mesenteric | Hemorrhage | Minimal |
| Nose | Mucosa | Atrophy | Minimal |
| | Mucosa | Degeneration | Minimal |
| | Glands | Hyperplasia | Cystic, Mild |
| | Mucosa | Pigmentation | Minimal |
| Parathyroid Gland | | Cyst | |
| Preputial Gland | | Ectasia | Moderate |
| Note: [ ECTASIA ] TGLs = 1-8 | | | |
| Spleen | | Hematopoietic Cell Proliferation | Mild |
| Thymus | | Cyst | |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 82 | **TRT#:** 3 | **SEX:** Male | **DAY ON TEST:** 733 |
| | **DOSE:** .033% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47835 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Medulla | Bone | Bone Marrow | Epididymis |
| Esophagus | Gallbladder | Heart | Intestine Large - Cecum |
| Intestine Large - Colon | Intestine Large - Rectum | Intestine Small - Duodenum | Intestine Small - Ileum |
| Intestine Small - Jejunum | Liver | Lymph Node - Mandibular | Lymph Node - Mesenteric |
| Parathyroid Gland | Pituitary Gland | Prostate | Salivary Glands |
| Seminal Vesicle | Skeletal Muscle | Skin | Spleen |
| Stomach - Forestomach | Stomach - Glandular | Testes | Thymus |
| Thyroid Gland | Tongue | Trachea | Urinary Bladder |

**MISSING**

Mammary Gland

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Adrenal Gland | Cortex | Hypertrophy | Focal, Mild |
| Brain | Thalamus | Mineralization | Moderate |
| Islets, Pancreatic | | Hyperplasia | Minimal |
| Kidney | | Mineralization | Minimal |
| | Renal Tubule | Regeneration | Minimal |
| Lung | | Alveolar/Bronchiolar Adenoma | |
| Note: [ ALV BRON ADEN ] TGLs = 3-2 | | | |
| Mesentery | Fat | Necrosis | Mild |
| Note: [ NECROSIS ] TGLs = 2-21 | | | |
| Nose | Mucosa | Atrophy | Minimal |
| | Mucosa | Degeneration | Minimal |
| | Mucosa | Pigmentation | Minimal |
| Pancreas | | Atrophy | Minimal |
| Preputial Gland | | Ectasia | Marked |
| | | Inflammation | Chronic, Mild |
| Note: [ ECTASIA ] TGLs = 1-8 | | | |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 83 | **TRT#:** 3 | **SEX:** Male | **DAY ON TEST:** 733 |
| | **DOSE:** .033% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47836 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Medulla | Bone | Bone Marrow | Epididymis |
| Esophagus | Gallbladder | 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 |
| Pancreas | Parathyroid Gland | Pituitary Gland | Prostate |
| Salivary Glands | Seminal Vesicle | Skeletal Muscle | Skin |
| Spleen | Stomach - Forestomach | Stomach - Glandular | Testes |
| Thymus | Tongue | Trachea | Urinary Bladder |

**MISSING**

Mammary Gland

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Adrenal Gland | Cortex | Hypertrophy | Focal, Minimal |
| Brain | Thalamus | Mineralization | Moderate |
| Kidney | | Cyst | |
| | | Hyperplasia | Lymphoid, Minimal |
| | | Mineralization | Minimal |
| | Renal Tubule | Regeneration | Minimal |
| Liver | | Hepatocellular Adenoma | |
| Note: [ HEPATOCLR ADEN ] TGLs = 3-21 | | | |
| Lymph Node | Mesenteric | Hemorrhage | Mild |
| Note: [ HEMORRHAGE ] TGLs = 2-5 | | | |
| Nose | Mucosa | Atrophy | Minimal |
| | Mucosa | Degeneration | Minimal |
| | Glands | Hyperplasia | Cystic, Minimal |
| | Mucosa | Pigmentation | Minimal |
| Preputial Gland | | Ectasia | Moderate |
| | | Inflammation | Chronic, Moderate |
| Note: [ ECTASIA ] TGLs = 1-8 | | | |
| Thyroid Gland | Follicular Cel | Hyperplasia | Minimal |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 83 | **TRT#:** 3 | **SEX:** Male | **DAY ON TEST:** 733 |
| | **DOSE:** .033% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47836 |

**ORGAN AND ACCOUNTABLE SITE STATUS**

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 84 | **TRT#:** 3 | **SEX:** Male | **DAY ON TEST:** 457 |
| | **DOSE:** .033% | **DISP:** Scheduled Sacrifice | **HISTO:** 87-45141 |

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Medulla | Bone | Bone Marrow | Epididymis |
| Esophagus | Gallbladder | 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 | Pancreas | Parathyroid Gland |
| Pituitary Gland | Prostate | Salivary Glands | Seminal Vesicle |
| Skeletal Muscle | Skin | Spleen | Stomach - Forestomach |
| Stomach - Glandular | Testes | Thymus | Thyroid Gland |
| Tongue | Trachea | Urinary Bladder | |

**MISSING**

Mammary Gland

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Adrenal Gland | Capsule, Cortex | Hyperplasia | Moderate |
| Brain | Thalamus | Mineralization | Mild |
| Kidney | | Hyperplasia | Lymphoid, Minimal |
| Nose | Mucosa | Atrophy | Minimal |
| | Mucosa | Pigmentation | Minimal |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 85 | **TRT#:** 3 | **SEX:** Male | **DAY ON TEST:** 733 |
| | **DOSE:** .033% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47837 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Medulla | Bone | Bone Marrow | Epididymis |
| Esophagus | Gallbladder | Heart | Intestine Large - Cecum |
| Intestine Large - Colon | Intestine Large - Rectum | Intestine Small - Duodenum | Intestine Small - Ileum |
| Intestine Small - Jejunum | Liver | Lymph Node - Mandibular | Lymph Node - Mesenteric |
| Pancreas | Parathyroid Gland | Pituitary Gland | Prostate |
| Salivary Glands | Seminal Vesicle | Skeletal Muscle | Skin |
| Spleen | Stomach - Glandular | Testes | Thymus |
| Thyroid Gland | Tongue | Trachea | Urinary Bladder |

**MISSING**

Mammary Gland

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Adrenal Gland | Cortex | Accessory Adrenal Cortical Nodule | |
| | Capsule, Cortex | Hyperplasia | Mild |
| | Cortex | Hypertrophy | Focal, Minimal |
| Brain | Thalamus | Mineralization | Minimal |
| Islets, Pancreatic | | Adenoma | |
| Kidney | | Cyst | |
| | | Mineralization | Minimal |
| | Renal Tubule | Regeneration | Minimal |
| Lung | | Alveolar/Bronchiolar Adenoma | |
| | | Infiltration Cellular | Histiocyte, Mild |
| Note: [ ALV BRON ADEN ] TGLs = 2-2 | | | |
| Nose | Mucosa | Atrophy | Minimal |
| | Mucosa | Degeneration | Minimal |
| | | Exudate | |
| | Glands | Hyperplasia | Cystic, Mild |
| | Mucosa | Pigmentation | Minimal |
| Preputial Gland | | Ectasia | Marked |
| | | Inflammation | Chronic, Mild |
| Note: [ ECTASIA ] TGLs = 1-8 | | | |

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 85 | **TRT#:** 3 | **SEX:** Male | **DAY ON TEST:** 733 |
| | **DOSE:** .033% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47837 |

**ORGAN AND ACCOUNTABLE SITE STATUS**

| | | | |
|---|---|---|---|
| Stomach | Forestomach, Mucosa | Hyperplasia | Moderate |
| | Forestomach | Inflammation | Subacute, Moderate |
| Note: [ HYPERPLASIA ] TGLs = 3-21 | | | |
| Note: [ INFLAMMATION ] TGLs = 3-21 | | | |
| PRIMARY CAUSE OF DEATH | - | | |

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 86 | **TRT#:** 3 | **SEX:** Male | **DAY ON TEST:** 733 |
| | **DOSE:** .033% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47838 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Medulla | Bone | Bone Marrow | Brain |
| Esophagus | Gallbladder | Heart | Intestine Large - Cecum |
| Intestine Large - Rectum | Intestine Small - Duodenum | Intestine Small - Ileum | Lymph Node - Mandibular |
| Pancreas | Parathyroid Gland | Pituitary Gland | Prostate |
| Salivary Glands | Seminal Vesicle | Skeletal Muscle | Skin |
| Stomach - Forestomach | Stomach - Glandular | Testes | Thymus |
| Thyroid Gland | Tongue | Trachea | Urinary Bladder |

**MISSING**

| | |
|---|---|
| Intestine Large - Colon | Mammary Gland |

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Adrenal Gland | Capsule, Cortex | Adenoma | |
| Blood Vessel | | Inflammation | Chronic Active, Mild |
| Note: INFLAMMATION IS ON SLIDE 11 | | | |
| Epididymis | | Hemangioma | |
| Note: [ HEMANGIOMA ] TGLs = 1-21 | | | |
| Intestine Small | Jejunum | Lymphoma Malignant Mixed | |
| Note: [ LYMPH MAL MIXD ] TGLs = 5-24 | | | |
| Islets, Pancreatic | | Hyperplasia | Mild |
| Kidney | | Cyst | |
| | | Mineralization | Minimal |
| | Renal Tubule | Regeneration | Minimal |
| Liver | | Hepatocellular Adenoma | |
| | | Hepatocellular Carcinoma | |
| Note: [ HEPATOCLR ADEN ] TGLs = 3-23 | | | |
| Note: [ HEPATOCLR CARC ] TGLs = 2-22 | | | |
| Lung | | Alveolar/Bronchiolar Adenoma | |
| Lymph Node | Mesenteric | Lymphoma Malignant Mixed | |
| Note: [ LYMPH MAL MIXD ] TGLs = 4-5 | | | |
| Nose | Mucosa | Atrophy | Minimal |
| | Mucosa | Degeneration | Minimal |

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 86 | **TRT#:** 3 | **SEX:** Male | **DAY ON TEST:** 733 |
| | **DOSE:** .033% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47838 |

**ORGAN AND ACCOUNTABLE SITE STATUS**

| | | | |
|---|---|---|---|
| | | Exudate | |
| | Glands | Hyperplasia | Cystic, Mild |
| | Mucosa | Pigmentation | Minimal |
| Note: EXUDATE IS IN NASOLACRIMAL DUCT | | | |
| Preputial Gland | | Ectasia | Mild |
| | | Inflammation | Chronic, Mild |
| Note: [ ECTASIA ] TGLs = 6-8 | | | |
| Spleen | | Hematopoietic Cell Proliferation | Mild |
| Tooth | | Dysplasia | Mild |
| PRIMARY CAUSE OF DEATH | - | | |

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 87 | **TRT#:** 3 | **SEX:** Male | **DAY ON TEST:** 733 |
| | **DOSE:** .033% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47839 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Cortex | Adrenal Gland - Medulla | Bone | Bone Marrow |
| Epididymis | Esophagus | Gallbladder | 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 | Pituitary Gland | Prostate |
| Seminal Vesicle | Skeletal Muscle | Skin | Spleen |
| Stomach - Forestomach | Stomach - Glandular | Testes | Thyroid Gland |
| Tongue | Trachea | Urinary Bladder | |

**MISSING**

| | |
|---|---|
| Lymph Node - Mandibular | Mammary Gland |

**INSUFFICIENT TISSUE**

Thymus

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Brain | Thalamus | Mineralization | Minimal |
| Harderian Gland | | Adenoma | |
| Note: [ ADENOMA ] TGLs = 1-21 | | | |
| Kidney | | Cyst | |
| | | Mineralization | Minimal |
| | Renal Tubule | Regeneration | Minimal |
| Liver | | Clear Cell Focus | |
| Lung | | Alveolar/Bronchiolar Adenoma | |
| Nose | Mucosa | Atrophy | Minimal |
| | Mucosa | Degeneration | Minimal |
| | Glands | Hyperplasia | Cystic, Minimal |
| Salivary Glands | | Hyperplasia | Lymphoid, Minimal |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 88 | **TRT#:** 3 | **SEX:** Male | **DAY ON TEST:** 733 |
| | **DOSE:** .033% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47840 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Cortex | Adrenal Gland - Medulla | Bone | Bone Marrow |
| Epididymis | Esophagus | Gallbladder | 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 |
| Prostate | Seminal Vesicle | Skeletal Muscle | Skin |
| Spleen | Stomach - Forestomach | Stomach - Glandular | Testes |
| Thyroid Gland | Tongue | Trachea | Urinary Bladder |

**MISSING**

Mammary Gland

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Brain | Thalamus | Mineralization | Mild |
| Kidney | | Mineralization | Mild |
| | Renal Tubule | Regeneration | Minimal |
| Liver | | Clear Cell Focus | |
| | | Hepatocellular Adenoma | |
| Note: [ HEPATOCLR ADEN ] TGLs = 2-21 | | | |
| Lung | | Alveolar/Bronchiolar Adenoma | |
| Nose | Mucosa | Atrophy | Minimal |
| | Mucosa | Degeneration | Minimal |
| | | Exudate | |
| | Glands | Hyperplasia | Cystic, Minimal |
| | Mucosa | Pigmentation | Minimal |
| Preputial Gland | | Ectasia | Marked |
| Note: [ ECTASIA ] TGLs = 1-8 | | | |
| Salivary Glands | | Hyperplasia | Lymphoid, Minimal |
| Thymus | | Cyst | |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 89 | **TRT#:** 3 | **SEX:** Male | **DAY ON TEST:** 733 |
| | **DOSE:** .033% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47841 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Medulla | Bone | Bone Marrow | Epididymis |
| Esophagus | Gallbladder | 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 |
| Pancreas | Parathyroid Gland | Pituitary Gland | Prostate |
| Salivary Glands | Seminal Vesicle | Skeletal Muscle | Skin |
| Spleen | Stomach - Forestomach | Stomach - Glandular | Testes |
| Tongue | Trachea | Urinary Bladder | |

**MISSING**

Mammary Gland

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Adrenal Gland | Cortex | Accessory Adrenal Cortical Nodule | |
| | Cortex | Hypertrophy | Focal, Mild |
| Brain | Thalamus | Mineralization | Moderate |
| Kidney | | Mineralization | Minimal |
| | Renal Tubule | Regeneration | Mild |
| Liver | | Hyperplasia | Focal, Minimal |
| | | Inflammation | Subacute, Minimal |
| Note: [ HYPERPLASIA ] TGLs = 3-23 | | | |
| Lymph Node | Mesenteric | Hemorrhage | Mild |
| Nose | Mucosa | Atrophy | Minimal |
| | Mucosa | Degeneration | Minimal |
| | Glands | Hyperplasia | Cystic, Minimal |
| | Mucosa | Pigmentation | Minimal |
| Preputial Gland | | Ectasia | Moderate |
| Note: [ ECTASIA ] TGLs = 1-21 | | | |
| Thymus | | Cyst | |
| Thyroid Gland | | Degeneration | Cystic, Moderate |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 90 | **TRT#:** 3 | **SEX:** Male | **DAY ON TEST:** 733 |
| | **DOSE:** .033% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47842 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Medulla | Bone | Bone Marrow | Epididymis |
| Esophagus | Gallbladder | 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 | Prostate |
| Salivary Glands | Seminal Vesicle | Skeletal Muscle | Skin |
| Stomach - Forestomach | Stomach - Glandular | Testes | Thymus |
| Thyroid Gland | Tongue | Trachea | Urinary Bladder |

**MISSING**

Mammary Gland

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Adrenal Gland | Cortex | Hyperplasia | Focal, Minimal |
| | Cortex | Hypertrophy | Focal, Minimal |
| Brain | Thalamus | Mineralization | Moderate |
| Kidney | | Casts Protein | Moderate |
| | | Glomerulosclerosis | Minimal |
| | | Hyperplasia | Lymphoid, Mild |
| | Renal Tubule | Regeneration | Moderate |
| Liver | | Hepatocellular Carcinoma | |
| Note: [ HEPATOCLR CARC ] TGLs = 2-21 | | | |
| Lung | | Alveolar/Bronchiolar Adenoma | |
| | | Angiectasis | Moderate |
| Note: [ ALV BRON ADEN ] TGLs = 3-2-1 | | | |
| Nose | Mucosa | Atrophy | Minimal |
| | Mucosa | Degeneration | Minimal |
| | Glands | Hyperplasia | Cystic, Minimal |
| Preputial Gland | | Ectasia | Marked |
| | | Inflammation | Suppurative, Mild |
| Note: [ ECTASIA ] TGLs = 1-8 | | | |
| Spleen | | Hematopoietic Cell Proliferation | Mild |

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 90 | **TRT#:** 3 | **SEX:** Male | **DAY ON TEST:** 733 |
| | **DOSE:** .033% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47842 |

**ORGAN AND ACCOUNTABLE SITE STATUS**

| | |
|---|---|
| PRIMARY CAUSE OF DEATH | - |

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 91 | **TRT#:** 3 | **SEX:** Male | **DAY ON TEST:** 733 |
| | **DOSE:** .033% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47843 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Medulla | Bone | Bone Marrow | Epididymis |
| Esophagus | Gallbladder | 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 | Pancreas | Parathyroid Gland | Pituitary Gland |
| Prostate | Salivary Glands | Seminal Vesicle | Skeletal Muscle |
| Skin | Spleen | Stomach - Forestomach | Stomach - Glandular |
| Testes | Thymus | Tongue | Trachea |

**MISSING**

Mammary Gland

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Adrenal Gland | Cortex | Hypertrophy | Focal, Minimal |
| Brain | Thalamus | Mineralization | Mild |
| Kidney | | Mineralization | Minimal |
| | Renal Tubule | Regeneration | Minimal |
| Lymph Node | Mesenteric | Hematopoietic Cell Proliferation | Minimal |
| | Mesenteric | Hemorrhage | Mild |
| Note: [ HEMORRHAGE ] TGLs = 2-6 | | | |
| Note: [ HEMA CELL PROL ] TGLs = 2-6 | | | |
| Nose | Mucosa | Atrophy | Minimal |
| | Mucosa | Degeneration | Minimal |
| | Glands | Hyperplasia | Cystic, Mild |
| | Mucosa | Pigmentation | Minimal |
| Preputial Gland | | Ectasia | Moderate |
| | | Inflammation | Chronic, Mild |
| Note: [ ECTASIA ] TGLs = 1-8 | | | |
| Thyroid Gland | Follicular Cel | Hyperplasia | Mild |
| Urinary Bladder | | Hyperplasia | Lymphoid, Minimal |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 92 | **TRT#:** 3 | **SEX:** Male | **DAY ON TEST:** 458 |
| | **DOSE:** .033% | **DISP:** Scheduled Sacrifice | **HISTO:** 87-45177 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Medulla | Bone | Bone Marrow | Epididymis |
| Esophagus | Gallbladder | 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 | Pancreas | Parathyroid Gland | Pituitary Gland |
| Prostate | Salivary Glands | Seminal Vesicle | Skeletal Muscle |
| Skin | Spleen | Stomach - Forestomach | Stomach - Glandular |
| Testes | Thymus | Thyroid Gland | Tongue |
| Trachea | Urinary Bladder | | |

**MISSING**

Mammary Gland

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Adrenal Gland | Cortex | Hyperplasia | Focal, Minimal |
| Brain | Thalamus | Mineralization | Mild |
| Kidney | | Casts Protein | Minimal |
| | Renal Tubule | Regeneration | Minimal |
| Lymph Node | Mesenteric | Hemorrhage | Minimal |
| Nose | Mucosa | Atrophy | Minimal |
| | Mucosa | Degeneration | Minimal |
| | Mucosa | Pigmentation | Minimal |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 93 | **TRT#:** 3 | **SEX:** Male | **DAY ON TEST:** 733 |
| | **DOSE:** .033% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47844 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Medulla | Bone | Bone Marrow | Epididymis |
| Esophagus | Gallbladder | 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 | Pancreas | Parathyroid Gland | Pituitary Gland |
| Prostate | Salivary Glands | Seminal Vesicle | Skeletal Muscle |
| Skin | Spleen | Stomach - Forestomach | Stomach - Glandular |
| Testes | Thymus | Thyroid Gland | Tongue |
| Trachea | Urinary Bladder | | |

**MISSING**

Mammary Gland

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Adrenal Gland | Cortex | Hyperplasia | Focal, Minimal |
| Brain | Thalamus | Mineralization | Minimal |
| Kidney | | Casts Protein | Minimal |
| | | Cyst | |
| | | Hyperplasia | Lymphoid, Minimal |
| | | Mineralization | Minimal |
| | Renal Tubule | Regeneration | Minimal |
| Lymph Node | Mesenteric | Hemorrhage | Minimal |
| Nose | Mucosa | Atrophy | Minimal |
| | Mucosa | Degeneration | Minimal |
| | Mucosa | Pigmentation | Minimal |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 94 | **TRT#:** 3 | **SEX:** Male | **DAY ON TEST:** 561 |
| | **DOSE:** .033% | **DISP:** Natural Death | **HISTO:** 88-45712 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Medulla | Bone | Bone Marrow | Epididymis |
| Esophagus | Gallbladder | 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 |
| Pancreas | Parathyroid Gland | Pituitary Gland | Prostate |
| Salivary Glands | Seminal Vesicle | Skeletal Muscle | Skin |
| Spleen | Stomach - Forestomach | Stomach - Glandular | Testes |
| Thymus | Thyroid Gland | Tongue | Trachea |
| Urinary Bladder | | | |

**MISSING**

Mammary Gland

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Adrenal Gland | Cortex | Hyperplasia | Focal, Minimal |
| Brain | Thalamus | Mineralization | Minimal |
| Kidney | Renal Tubule | Regeneration | Minimal |
| Liver | | Hepatocellular Carcinoma | |
| | Hepatocyte | Vacuolization Cytoplasmic | Minimal |
| Note: [ VACUOLIZ CYTO ] TGLs = 3-6 | | | |
| Note: [ HEPATOCLR CARC ] TGLs = 2-21 | | | |
| Lymph Node | Mesenteric | Hemorrhage | Minimal |
| Nose | Mucosa | Atrophy | Minimal |
| | Mucosa | Degeneration | Minimal |
| | | Exudate | |
| | Glands | Hyperplasia | Cystic, Minimal |
| Preputial Gland | | Ectasia | Moderate |
| | | Inflammation | Chronic, Mild |
| Note: [ ECTASIA ] TGLs = 1-8 | | | |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 95 | **TRT#:** 3 | **SEX:** Male | **DAY ON TEST:** 733 |
| | **DOSE:** .033% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47845 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Medulla | Bone | Bone Marrow | Brain |
| Epididymis | Esophagus | Gallbladder | 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 | Pancreas | Pituitary Gland | Prostate |
| Salivary Glands | Seminal Vesicle | Skeletal Muscle | Skin |
| Stomach - Glandular | Testes | Tongue | Trachea |
| Urinary Bladder | | | |

**MISSING**

| | |
|---|---|
| Mammary Gland | Parathyroid Gland |

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Adrenal Gland | Cortex | Hypertrophy | Focal, Minimal |
| Kidney | | Casts Protein | Moderate |
| | | Glomerulosclerosis | Minimal |
| | | Hyperplasia | Lymphoid, Mild |
| | Renal Tubule | Regeneration | Moderate |
| Liver | | Hepatocellular Adenoma | |
| | | Hepatocellular Carcinoma | |
| Note: [ HEPATOCLR CARC ] TGLs = 5-22 | | | |
| Note: [ HEPATOCLR ADEN ] TGLs = 4-21 | | | |
| Lymph Node | Mesenteric | Hemorrhage | Mild |
| Note: [ HEMORRHAGE ] TGLs = 3-5 | | | |
| Nose | Mucosa | Atrophy | Mild |
| | Mucosa | Degeneration | Mild |
| | | Exudate | |
| | Glands | Hyperplasia | Cystic, Minimal |
| | Mucosa | Pigmentation | Minimal |
| Preputial Gland | | Ectasia | Moderate |
| | | Inflammation | Chronic, Mild |
| Note: [ ECTASIA ] TGLs = 1-8 | | | |

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 95 | **TRT#:** 3 | **SEX:** Male | **DAY ON TEST:** 733 |
| | **DOSE:** .033% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47845 |

**ORGAN AND ACCOUNTABLE SITE STATUS**

| | | | |
|---|---|---|---|
| Spleen | | Hematopoietic Cell Proliferation | Mild |
| | Lymph Follic | Hyperplasia | Mild |
| Note: [ HYPERPLASIA ] TGLs = 2-6 | | | |
| Note: [ HEMA CELL PROL ] TGLs = 2-6 | | | |
| Stomach | Forestomach, Mucosa | Hyperplasia | Mild |
| | Forestomach | Squamous Cell Papilloma | |
| Note: [ PAPILLOMA SQUA ] TGLs = 6-4,6-4-1 | | | |
| Note: [ HYPERPLASIA ] TGLs = 6-4-1 | | | |
| Thymus | | Cyst | |
| | | Depletion Cellular | Mild |
| Thyroid Gland | Follicular Cel | Hyperplasia | Mild |
| PRIMARY CAUSE OF DEATH | - | | |

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 96 | **TRT#:** 3 | **SEX:** Male | **DAY ON TEST:** 733 |
| | **DOSE:** .033% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47846 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Cortex | Adrenal Gland - Medulla | Bone | Bone Marrow |
| Epididymis | Esophagus | Gallbladder | 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 | Pancreas | Parathyroid Gland |
| Pituitary Gland | Prostate | Salivary Glands | Seminal Vesicle |
| Skeletal Muscle | Spleen | Stomach - Forestomach | Stomach - Glandular |
| Testes | Thymus | Tongue | Trachea |
| Urinary Bladder | | | |

**MISSING**

Mammary Gland

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Brain | Thalamus | Mineralization | Mild |
| Kidney | | Casts Protein | Minimal |
| | | Mineralization | Mild |
| | Renal Tubule | Regeneration | Minimal |
| Lymph Node | Mesenteric | Hemorrhage | Mild |
| | Mesenteric | Hyperplasia | Lymphoid, Mild |
| Note: [ HEMORRHAGE ] TGLs = 3-5 | | | |
| Nose | Mucosa | Atrophy | Minimal |
| | Mucosa | Degeneration | Minimal |
| | Glands | Hyperplasia | Cystic, Minimal |
| | Mucosa | Pigmentation | Minimal |
| Preputial Gland | | Ectasia | Marked |
| Note: [ ECTASIA ] TGLs = 2-8 | | | |
| Skin | | Acanthosis | Minimal |
| Note: [ ACANTHOSIS ] TGLs = 1-21 | | | |
| Thyroid Gland | Follicle | Cyst | |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 97 | **TRT#:** 3 | **SEX:** Male | **DAY ON TEST:** 733 |
| | **DOSE:** .033% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47847 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Medulla | Bone | Bone Marrow | Brain |
| Epididymis | Esophagus | Gallbladder | Heart |
| Intestine Large - Cecum | Intestine Large - Colon | Intestine Large - Rectum | Intestine Small - Duodenum |
| Intestine Small - Ileum | Intestine Small - Jejunum | Liver | Lymph Node - Mandibular |
| Lymph Node - Mesenteric | Pancreas | Parathyroid Gland | Pituitary Gland |
| Prostate | Salivary Glands | Seminal Vesicle | Skeletal Muscle |
| Skin | Spleen | Stomach - Glandular | Testes |
| Thyroid Gland | Tongue | Trachea | |

**MISSING**

Mammary Gland

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Adrenal Gland | Cortex | Hyperplasia | Focal, Mild |
| | Cortex | Hypertrophy | Focal, Minimal |
| Islets, Pancreatic | | Hyperplasia | Minimal |
| Kidney | | Hyperplasia | Lymphoid, Minimal |
| | | Mineralization | Minimal |
| | Renal Tubule | Regeneration | Minimal |
| Lung | Alveolar Epith | Hyperplasia | Minimal |
| Mesentery | Fat | Hemorrhage | Mild |
| Note: [ HEMORRHAGE ] TGLs = 1-21 | | | |
| Nose | Mucosa | Atrophy | Minimal |
| | Mucosa | Degeneration | Minimal |
| | Mucosa | Pigmentation | Minimal |
| Stomach | Forestomach | Diverticulum | Mild |
| Thymus | | Cyst | |
| Urinary Bladder | | Hyperplasia | Lymphoid, Minimal |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 98 | **TRT#:** 3 | **SEX:** Male | **DAY ON TEST:** 733 |
| | **DOSE:** .033% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47848 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Medulla | Bone | Bone Marrow | Brain |
| Epididymis | Esophagus | Gallbladder | Heart |
| Intestine Large - Cecum | Intestine Large - Colon | Intestine Large - Rectum | Intestine Small - Duodenum |
| Intestine Small - Ileum | Intestine Small - Jejunum | Islets, Pancreatic | Lymph Node - Mandibular |
| Pancreas | Parathyroid Gland | Pituitary Gland | Salivary Glands |
| Seminal Vesicle | Skeletal Muscle | Skin | Stomach - Forestomach |
| Stomach - Glandular | Testes | Thymus | Thyroid Gland |
| Tongue | Trachea | Urinary Bladder | |

**MISSING**

Mammary Gland

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Adrenal Gland | Cortex | Hyperplasia | Focal, Minimal |
| Kidney | | Casts Protein | Minimal |
| | | Mineralization | Minimal |
| | Renal Tubule | Regeneration | Mild |
| Liver | | Hepatocellular Adenoma | |
| | | Hepatocellular Carcinoma | |
| Note: [ HEPATOCLR CARC ] TGLs = 1-21 | | | |
| Note: [ HEPATOCLR ADEN ] TGLs = 3-22 | | | |
| Lung | | Alveolar/Bronchiolar Adenoma | |
| | | Alveolar/Bronchiolar Carcinoma | |
| | | Infiltration Cellular | Histiocyte, Marked |
| [ Infiltration Cellular TGLS = 2-2 ] | | | |
| Lymph Node | Mesenteric | Hemorrhage | Minimal |
| Nose | Mucosa | Atrophy | Minimal |
| | Mucosa | Degeneration | Minimal |
| | | Exudate | |
| | Glands | Hyperplasia | Cystic, Minimal |
| | Mucosa | Pigmentation | Minimal |
| Prostate | | Inflammation | Chronic, Minimal |

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 98 | **TRT#:** 3 | **SEX:** Male | **DAY ON TEST:** 733 |
| | **DOSE:** .033% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47848 |

**ORGAN AND ACCOUNTABLE SITE STATUS**

| | | | |
|---|---|---|---|
| Spleen | | Hematopoietic Cell Proliferation | Mild |
| PRIMARY CAUSE OF DEATH | - | | |

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 99 | **TRT#:** 3 | **SEX:** Male | **DAY ON TEST:** 733 |
| | **DOSE:** .033% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47849 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Medulla | Bone | Bone Marrow | Brain |
| Epididymis | Esophagus | Gallbladder | 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 | Pancreas |
| Parathyroid Gland | Pituitary Gland | Prostate | Salivary Glands |
| Seminal Vesicle | Skeletal Muscle | Skin | Spleen |
| Stomach - Forestomach | Stomach - Glandular | Testes | Thymus |
| Thyroid Gland | Tongue | Trachea | Urinary Bladder |

**MISSING**

Mammary Gland

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Adrenal Gland | Cortex | Hypertrophy | Focal, Mild |
| Harderian Gland | | Adenoma | |
| Kidney | | Hyperplasia | Lymphoid, Minimal |
| | | Mineralization | Minimal |
| | Renal Tubule | Regeneration | Minimal |
| Nose | Mucosa | Atrophy | Minimal |
| | Mucosa | Degeneration | Minimal |
| | Mucosa | Pigmentation | Minimal |
| Preputial Gland | | Ectasia | Moderate |
| Note: [ ECTASIA ] TGLs = 1-21 | | | |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 100 | **TRT#:** 3 | **SEX:** Male | **DAY ON TEST:** 458 |
| | **DOSE:** .033% | **DISP:** Scheduled Sacrifice | **HISTO:** 87-45178 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Cortex | Adrenal Gland - Medulla | Bone | Bone Marrow |
| Brain | Epididymis | Esophagus | Gallbladder |
| 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 |
| Pancreas | Parathyroid Gland | Pituitary Gland | Prostate |
| Salivary Glands | Seminal Vesicle | Skeletal Muscle | Skin |
| Spleen | Stomach - Forestomach | Stomach - Glandular | Testes |
| Thymus | Thyroid Gland | Tongue | Trachea |
| Urinary Bladder | | | |

**MISSING**

Mammary Gland

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Kidney | | Mineralization | Minimal |
| | Renal Tubule | Regeneration | Minimal |
| Nose | Mucosa | Atrophy | Minimal |
| | Glands | Hyperplasia | Cystic, Minimal |
| | Mucosa | Pigmentation | Minimal |
| Preputial Gland | | Ectasia | Moderate |
| Note: ECTASIA TGLs = 1-8 | | | |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 101 | **TRT#:** 3 | **SEX:** Male | **DAY ON TEST:** 733 |
| | **DOSE:** .033% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47850 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Medulla | Bone | Bone Marrow | Epididymis |
| Esophagus | Gallbladder | 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 |
| Pancreas | Parathyroid Gland | Pituitary Gland | Prostate |
| Salivary Glands | Seminal Vesicle | Skeletal Muscle | Skin |
| Stomach - Forestomach | Stomach - Glandular | Testes | Thymus |
| Tongue | Trachea | Urinary Bladder | |

**MISSING**

Mammary Gland

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Adrenal Gland | Cortex | Hyperplasia | Focal, Minimal |
| | Cortex | Vacuolization Cytoplasmic | Focal, Minimal |
| Brain | Thalamus | Mineralization | Minimal |
| Kidney | | Hyperplasia | Lymphoid, Minimal |
| | | Mineralization | Minimal |
| | Renal Tubule | Regeneration | Minimal |
| Liver | | Hepatocellular Carcinoma | |
| Note: [ HEPATOCLR CARC ] TGLs = 2-21 | | | |
| Lymph Node | Mandibular | Hyperplasia | Lymphoid, Moderate |
| Note: [ HYPERPLASIA ] TGLs = 1-8 | | | |
| Nose | Mucosa | Atrophy | Minimal |
| | Mucosa | Degeneration | Minimal |
| | | Exudate | |
| | Mucosa | Pigmentation | Minimal |
| Note: EXUDATE IS IN THE NASOLACRIMAL DUCT | | | |
| Spleen | | Hematopoietic Cell Proliferation | Mild |
| Thyroid Gland | Follicular Cel | Hyperplasia | Minimal |
| Tooth | | Inflammation | Chronic, Moderate |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 101 | **TRT#:** 3 | **SEX:** Male | **DAY ON TEST:** 733 |
| | **DOSE:** .033% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47850 |

**ORGAN AND ACCOUNTABLE SITE STATUS**

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 102 | **TRT#:** 3 | **SEX:** Male | **DAY ON TEST:** 733 |
| | **DOSE:** .033% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47851 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Medulla | Bone | Bone Marrow | Epididymis |
| Esophagus | Gallbladder | Heart | Intestine Large - Cecum |
| Intestine Large - Colon | Intestine Large - Rectum | Intestine Small - Duodenum | Intestine Small - Ileum |
| Intestine Small - Jejunum | Liver | Lung | Lymph Node - Mandibular |
| Pancreas | Parathyroid Gland | Prostate | Salivary Glands |
| Seminal Vesicle | Skeletal Muscle | Skin | Stomach - Forestomach |
| Stomach - Glandular | Testes | Thymus | Tongue |
| Trachea | Urinary Bladder | | |

**MISSING**

Mammary Gland

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Adrenal Gland | Cortex | Hypertrophy | Focal, Minimal |
| Brain | Thalamus | Mineralization | Mild |
| Islets, Pancreatic | | Hyperplasia | Minimal |
| Kidney | | Mineralization | Minimal |
| | Renal Tubule | Regeneration | Mild |
| Lymph Node | Mesenteric | Hemorrhage | Minimal |
| | Mesenteric | Lymphoma Malignant Mixed | |
| | Pancreatic | Lymphoma Malignant Mixed | |
| Note: [ HEMORRHAGE ] TGLs = 2-5 | | | |
| Note: [ LYMPH MAL MIXD ] TGLs = 2-5 | | | |
| Nose | Mucosa | Atrophy | Minimal |
| | Mucosa | Degeneration | Minimal |
| | Glands | Hyperplasia | Cystic, Minimal |
| | Mucosa | Pigmentation | Minimal |
| Pituitary Gland | Pars Distalis | Hyperplasia | Mild |
| Spleen | | Lymphoma Malignant Mixed | |
| Thyroid Gland | Follicular Cel | Hyperplasia | Minimal |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 103 | **TRT#:** 3 | **SEX:** Male | **DAY ON TEST:** 722 |
| | **DOSE:** .033% | **DISP:** Natural Death | **HISTO:** 88-47057 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Cortex | Adrenal Gland - Medulla | Bone | Bone Marrow |
| Epididymis | Esophagus | Gallbladder | 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 |
| Prostate | Seminal Vesicle | Skeletal Muscle | Skin |
| Spleen | Stomach - Forestomach | Stomach - Glandular | Testes |
| Thyroid Gland | Tongue | Trachea | Urinary Bladder |

**MISSING**

| | |
|---|---|
| Mammary Gland | Pituitary Gland |

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Brain | Thalamus | Mineralization | Minimal |
| Kidney | | Mineralization | Minimal |
| Liver | | Hepatocellular Carcinoma | |
| Note: [ HEPATOCLR CARC ] TGLs = 2-22 | | | |
| Nose | Mucosa | Atrophy | Minimal |
| | Mucosa | Degeneration | Minimal |
| | Glands | Hyperplasia | Cystic, Minimal |
| | Mucosa | Pigmentation | Minimal |
| Preputial Gland | | Ectasia | Moderate |
| | | Inflammation | Chronic, Moderate |
| Note: [ ECTASIA ] TGLs = 1-21 | | | |
| Salivary Glands | | Hyperplasia | Lymphoid, Minimal |
| Thymus | | Depletion Cellular | Mild |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 104 | **TRT#:** 3 | **SEX:** Male | **DAY ON TEST:** 458 |
| | **DOSE:** .033% | **DISP:** Scheduled Sacrifice | **HISTO:** 87-45179 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Cortex | Adrenal Gland - Medulla | Bone | Bone Marrow |
| Epididymis | Esophagus | Gallbladder | 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 | Parathyroid Gland | Pituitary Gland | Prostate |
| Salivary Glands | Seminal Vesicle | Skeletal Muscle | Skin |
| Spleen | Stomach - Forestomach | Testes | Thymus |
| Thyroid Gland | Tongue | Trachea | Urinary Bladder |

**MISSING**

Mammary Gland

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Brain | Thalamus | Mineralization | Mild |
| Kidney | | Mineralization | Minimal |
| | Renal Tubule | Regeneration | Minimal |
| Liver | | Basophilic Focus | |
| | | Hepatocellular Adenoma | |
| Note: HEPATOCLR ADEN TGLs = 2-21 | | | |
| Lymph Node | Mesenteric | Hemorrhage | Minimal |
| Nose | Mucosa | Atrophy | Minimal |
| | Mucosa | Degeneration | Minimal |
| | Glands | Hyperplasia | Cystic, Minimal |
| | Mucosa | Pigmentation | Minimal |
| Pancreas | | Focal Cellular Change | |
| Preputial Gland | | Ectasia | Moderate |
| | | Inflammation | Chronic, Mild |
| Note: ECTASIA TGLs = 1-8 | | | |
| Stomach | Glandular | Cyst | |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 105 | **TRT#:** 3 | **SEX:** Male | **DAY ON TEST:** 733 |
| | **DOSE:** .033% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47852 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Medulla | Bone | Bone Marrow | Epididymis |
| Esophagus | Gallbladder | Heart | Intestine Large - Cecum |
| Intestine Large - Colon | Intestine Large - Rectum | Intestine Small - Duodenum | Intestine Small - Jejunum |
| Islets, Pancreatic | Lymph Node - Mandibular | Pancreas | Parathyroid Gland |
| Pituitary Gland | Prostate | Salivary Glands | Seminal Vesicle |
| Skeletal Muscle | Skin | Spleen | Stomach - Forestomach |
| Stomach - Glandular | Testes | Thymus | Tongue |
| Trachea | Urinary Bladder | | |

**MISSING**

Mammary Gland

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Adrenal Gland | Cortex | Hypertrophy | Focal, Minimal |
| Brain | Thalamus | Mineralization | Mild |
| Intestine Small | Ileum | Hyperplasia | Lymphoid, Mild |
| Kidney | | Mineralization | Minimal |
| | Renal Tubule | Regeneration | Minimal |
| Liver | | Clear Cell Focus | |
| Lung | | Alveolar/Bronchiolar Adenoma | |
| Note: [ ALV BRON ADEN ] TGLs = 2-2 | | | |
| Lymph Node | Mesenteric | Hyperplasia | Lymphoid, Moderate |
| Nose | Mucosa | Atrophy | Minimal |
| | Mucosa | Degeneration | Minimal |
| | Glands | Hyperplasia | Cystic, Minimal |
| | Mucosa | Pigmentation | Minimal |
| Preputial Gland | | Ectasia | Mild |
| Note: [ ECTASIA ] TGLs = 1-8 | | | |
| Thyroid Gland | | Degeneration | Cystic, Minimal |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 106 | **TRT#:** 3 | **SEX:** Male | **DAY ON TEST:** 733 |
| | **DOSE:** .033% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47853 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Cortex | Adrenal Gland - Medulla | Bone | Epididymis |
| Esophagus | Heart | Intestine Large - Cecum | Intestine Large - Colon |
| Intestine Large - Rectum | Intestine Small - Duodenum | Intestine Small - Ileum | Intestine Small - Jejunum |
| Islets, Pancreatic | Pancreas | Parathyroid Gland | Pituitary Gland |
| Prostate | Salivary Glands | Seminal Vesicle | Skeletal Muscle |
| Skin | Spleen | Stomach - Forestomach | Stomach - Glandular |
| Testes | Thyroid Gland | Tongue | Trachea |
| Urinary Bladder | | | |

**MISSING**

| | |
|---|---|
| Lymph Node - Mandibular | Mammary Gland |

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Bone Marrow | | Pigmentation | Hemosiderin, Moderate |
| Brain | Thalamus | Mineralization | Mild |
| Gallbladder | Mucosa | Hyperplasia | Mild |
| | | Inflammation | Subacute, Minimal |
| Kidney | | Mineralization | Minimal |
| | Renal Tubule | Regeneration | Minimal |
| Liver | | Hyperplasia | Focal, Moderate |
| Note: [ HYPERPLASIA ] TGLs = 2-22 | | | |
| Lung | | Alveolar/Bronchiolar Carcinoma | |
| | | Hyperplasia | Lymphoid, Mild |
| | | Infiltration Cellular | Histiocyte, Marked |
| | | Inflammation | Suppurative, Mild |
| Note: [ ALV BRON CARC ] TGLs = 3-2 | | | |
| Lymph Node | Mesenteric | Hematopoietic Cell Proliferation | Minimal |
| | Mesenteric | Hemorrhage | Minimal |
| | Mediastinal | Hyperplasia | Plasma Cell, Moderate |
| Note: [ HYPERPLASIA ] TGLs = 4-2 | | | |
| Nose | Mucosa | Atrophy | Minimal |
| | Mucosa | Degeneration | Minimal |

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 106 | **TRT#:** 3 | **SEX:** Male | **DAY ON TEST:** 733 |
| | **DOSE:** .033% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47853 |

**ORGAN AND ACCOUNTABLE SITE STATUS**

| | | | |
|---|---|---|---|
| | | Exudate | |
| | Glands | Hyperplasia | Cystic, Mild |
| | Mucosa | Pigmentation | Mild |
| Preputial Gland | | Ectasia | Moderate |
| Note: [ ECTASIA ] TGLs = 1-21 | | | |
| Thymus | | Cyst | |
| | | Depletion Cellular | Moderate |
| PRIMARY CAUSE OF DEATH | - | | |

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 107 | **TRT#:** 3 | **SEX:** Male | **DAY ON TEST:** 733 |
| | **DOSE:** .033% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47854 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Cortex | Adrenal Gland - Medulla | Bone | Epididymis |
| Esophagus | Gallbladder | 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 | Parathyroid Gland | Pituitary Gland | Prostate |
| Salivary Glands | Seminal Vesicle | Skeletal Muscle | Stomach - Forestomach |
| Stomach - Glandular | Testes | Thyroid Gland | Tongue |
| Trachea | Urinary Bladder | | |

**MISSING**

Mammary Gland

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Bone Marrow | | Hypercellularity | Moderate |
| Brain | Thalamus | Mineralization | Mild |
| Kidney | Renal Tubule | Regeneration | Minimal |
| Liver | | Hepatocellular Adenoma | Multiple, Two |
| Note: SMALL HEPATOCLR ADEN ON SLIDE 6 | | | |
| Note: [ HEPATOCLR ADEN ] TGLs = 7-25 | | | |
| Lymph Node | Mediastinal | Hyperplasia | Plasma Cell, Moderate |
| Note: [ HYPERPLASIA ] TGLs = 8-2 | | | |
| Mesentery | | Inflammation | Suppurative, Moderate |
| Note: INFLAMM. PROCESS INCLUDES NECROSIS & FIBROSIS; NOT CODED | | | |
| Note: [ INFLAMMATION ] TGLs = 4-22,5-23,6-24 | | | |
| Note: INFLAMMATION ALSO PRESENT ON SLIDES 6 AND 7 | | | |
| Nose | Mucosa | Atrophy | Minimal |
| | Mucosa | Degeneration | Minimal |
| | Glands | Hyperplasia | Cystic, Minimal |
| | Mucosa | Pigmentation | Minimal |
| Pancreas | | Atrophy | Marked |
| | | Cyst | |
| Note: [ CYST ] TGLs = 3-7 | | | |

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 107 | **TRT#:** 3 | **SEX:** Male | **DAY ON TEST:** 733 |
| | **DOSE:** .033% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47854 |

**ORGAN AND ACCOUNTABLE SITE STATUS**

| | | |
|---|---|---|
| Preputial Gland | Ectasia | Moderate |
| Note: [ ECTASIA ] TGLs = 2-8 | | |
| Skin | Granuloma | Moderate |
| Note: [ GRANULOMA ] TGLs = 1-21 | | |
| Spleen | Hematopoietic Cell Proliferation | Mild |
| Note: [ HEMA CELL PROL ] TGLs = 9-6 | | |
| Thymus | Cyst | |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 108 | **TRT#:** 3 | **SEX:** Male | **DAY ON TEST:** 733 |
| | **DOSE:** .033% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47855 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Medulla | Bone | Bone Marrow | Epididymis |
| Esophagus | Gallbladder | 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 | Pancreas | Parathyroid Gland |
| Pituitary Gland | Prostate | Salivary Glands | Seminal Vesicle |
| Skin | Spleen | Stomach - Forestomach | Stomach - Glandular |
| Testes | Thymus | Tongue | Trachea |
| Urinary Bladder | | | |

**MISSING**

Mammary Gland

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Adrenal Gland | Cortex | Accessory Adrenal Cortical Nodule | |
| | Capsule, Cortex | Hyperplasia | Minimal |
| | Cortex | Hypertrophy | Focal, Mild |
| Brain | Thalamus | Mineralization | Moderate |
| Kidney | | Hyperplasia | Lymphoid, Minimal |
| | | Mineralization | Minimal |
| Nose | Mucosa | Atrophy | Minimal |
| | Mucosa | Degeneration | Minimal |
| | Glands | Hyperplasia | Cystic, Minimal |
| | Mucosa | Pigmentation | Minimal |
| Preputial Gland | | Ectasia | Marked |
| | | Inflammation | Chronic, Mild |
| Note: [ ECTASIA ] TGLs = 1-8 | | | |
| Skeletal Muscle | Sarcolem Nucli | Hyperplasia | Mild |
| Thyroid Gland | | Degeneration | Cystic, Minimal |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 109 | **TRT#:** 3 | **SEX:** Male | **DAY ON TEST:** 458 |
| | **DOSE:** .033% | **DISP:** Scheduled Sacrifice | **HISTO:** 87-45180 |

**ORGAN AND ACCOUNTABLE SITE STATUS**

| | | | |
|---|---|---|---|
| **NORMAL** | | | |
| Adrenal Gland - Cortex | Adrenal Gland - Medulla | Bone | Bone Marrow |
| Epididymis | Gallbladder | Heart | Intestine Large - Cecum |
| Intestine Large - Colon | Intestine Large - Rectum | Intestine Small - Duodenum | Intestine Small - Ileum |
| Intestine Small - Jejunum | Islets, Pancreatic | Kidney | Liver |
| Lung | Lymph Node - Mandibular | Nose | Pancreas |
| Parathyroid Gland | Pituitary Gland | Prostate | Salivary Glands |
| Seminal Vesicle | Skeletal Muscle | Skin | Spleen |
| Stomach - Forestomach | Stomach - Glandular | Testes | Thymus |
| Thyroid Gland | Tongue | Trachea | Urinary Bladder |
| **MISSING** | | | |
| Esophagus | Mammary Gland | | |
| **OBSERVATIONS** | | | |
| Brain | | Ectopic Tissue | |
| Note: ECTOPIC TISSUE IS BONE | | | |
| Lymph Node | Mesenteric | Hemorrhage | Minimal |
| PRIMARY CAUSE OF DEATH | - | | |

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 110 | **TRT#:** 3 | **SEX:** Male | **DAY ON TEST:** 733 |
| | **DOSE:** .033% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47856 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Medulla | Bone | Bone Marrow | Epididymis |
| Esophagus | Gallbladder | 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 | Pancreas | Parathyroid Gland | Pituitary Gland |
| Prostate | Salivary Glands | Seminal Vesicle | Skeletal Muscle |
| Skin | Spleen | Stomach - Forestomach | Stomach - Glandular |
| Testes | Thyroid Gland | Tongue | Trachea |
| Urinary Bladder | | | |

**MISSING**

| | |
|---|---|
| Mammary Gland | Thymus |

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Adrenal Gland | Cortex | Accessory Adrenal Cortical Nodule | |
| | Capsule, Cortex | Hyperplasia | Mild |
| | Cortex | Vacuolization Cytoplasmic | Focal, Minimal |
| Brain | Thalamus | Mineralization | Moderate |
| Kidney | | Hyperplasia | Lymphoid, Minimal |
| | | Mineralization | Minimal |
| | Renal Tubule | Regeneration | Minimal |
| Lung | | Alveolar/Bronchiolar Adenoma | |
| Nose | Mucosa | Atrophy | Minimal |
| | Mucosa | Degeneration | Minimal |
| | | Exudate | |
| | Glands | Hyperplasia | Cystic, Minimal |
| | Mucosa | Pigmentation | Minimal |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 111 | **TRT#:** 3 | **SEX:** Male | **DAY ON TEST:** 733 |
| | **DOSE:** .033% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47857 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Medulla | Bone | Bone Marrow | Epididymis |
| Esophagus | Gallbladder | 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 |
| Pancreas | Parathyroid Gland | Pituitary Gland | Prostate |
| Salivary Glands | Seminal Vesicle | Skeletal Muscle | Skin |
| Spleen | Stomach - Glandular | Testes | Thymus |
| Thyroid Gland | Tongue | Trachea | Urinary Bladder |

**MISSING**

Mammary Gland

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Adrenal Gland | Capsule, Cortex | Hyperplasia | Mild |
| | Cortex | Hyperplasia | Focal, Minimal |
| Brain | Thalamus | Mineralization | Mild |
| Kidney | | Mineralization | Mild |
| | Renal Tubule | Regeneration | Mild |
| Lung | | Alveolar/Bronchiolar Adenoma | |
| | | Infiltration Cellular | Histiocyte, Minimal |
| Note: [ ALV BRON ADEN ] TGLs = 3-2-1 | | | |
| Lymph Node | Mesenteric | Hemorrhage | Minimal |
| Note: [ HEMORRHAGE ] TGLs = 2-5 | | | |
| Nose | Mucosa | Atrophy | Minimal |
| | Mucosa | Degeneration | Minimal |
| | | Exudate | |
| | Glands | Hyperplasia | Cystic, Mild |
| | Mucosa | Pigmentation | Minimal |
| Preputial Gland | | Ectasia | Moderate |
| Note: [ ECTASIA ] TGLs = 1-8 | | | |
| Stomach | Forestomach, Mucosa | Hyperplasia | Mild |
| | Forestomach | Inflammation | Subacute, Mild |

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 111 | **TRT#:** 3 | **SEX:** Male | **DAY ON TEST:** 733 |
| | **DOSE:** .033% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47857 |

**ORGAN AND ACCOUNTABLE SITE STATUS**

Note: [ INFLAMMATION ] TGLs = 4-4-1
Note: [ HYPERPLASIA ] TGLs = 4-4-1

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 112 | **TRT#:** 3 | **SEX:** Male | **DAY ON TEST:** 458 |
| | **DOSE:** .033% | **DISP:** Scheduled Sacrifice | **HISTO:** 87-45181 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Cortex | Adrenal Gland - Medulla | Bone | Bone Marrow |
| Epididymis | Esophagus | Gallbladder | Heart |
| Intestine Large - Cecum | Intestine Large - Colon | Intestine Large - Rectum | Intestine Small - Duodenum |
| Intestine Small - Ileum | Islets, Pancreatic | Liver | Lung |
| Lymph Node - Mandibular | Lymph Node - Mesenteric | Pancreas | Parathyroid Gland |
| Pituitary Gland | Salivary Glands | Seminal Vesicle | Skeletal Muscle |
| Skin | Spleen | Stomach - Forestomach | Stomach - Glandular |
| Testes | Thymus | Thyroid Gland | Tongue |
| Trachea | Urinary Bladder | | |

**MISSING**

Mammary Gland

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Brain | Thalamus | Mineralization | Mild |
| Intestine Small | Jejunum | Hyperplasia | Lymphoid, Moderate |
| Note: HYPERPLASIA TGLs = 2-22 | | | |
| Kidney | | Mineralization | Mild |
| | Renal Tubule | Regeneration | Minimal |
| Nose | Mucosa | Atrophy | Minimal |
| | Mucosa | Degeneration | Minimal |
| | Mucosa | Pigmentation | Minimal |
| Prostate | | Hemorrhage | Mild |
| Note: HEMORRHAGE TGLs = 1-21 | | | |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 113 | **TRT#:** 3 | **SEX:** Male | **DAY ON TEST:** 589 |
| | **DOSE:** .033% | **DISP:** Natural Death | **HISTO:** 88-45761 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Cortex | Adrenal Gland - Medulla | Epididymis | Esophagus |
| Gallbladder | Heart | Intestine Large - Cecum | Intestine Large - Colon |
| Intestine Large - Rectum | Intestine Small - Ileum | Lymph Node - Mandibular | Lymph Node - Mesenteric |
| Parathyroid Gland | Pituitary Gland | Salivary Glands | Stomach - Forestomach |
| Stomach - Glandular | Testes | Tongue | Trachea |

**MISSING**

| | |
|---|---|
| Mammary Gland | Thymus |

**AUTO PRECLUDES DIAG.**

| | |
|---|---|
| Intestine Small - Duodenum | Intestine Small - Jejunum |

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Bone | | Hemangiosarcoma | |
| Bone Marrow | | Hemangiosarcoma | |
| | | Hypercellularity | Mild |
| Brain | Thalamus | Mineralization | Moderate |
| Islets, Pancreatic | | Hyperplasia | Mild |
| Kidney | Renal Tubule | Regeneration | Minimal |
| Liver | | Hemangiosarcoma | |
| | | Hematopoietic Cell Proliferation | Mild |
| | | Inflammation | Subacute, Moderate |
| | Lobules | Necrosis | Minimal |
| Note: [ NECROSIS ] TGLs = 7-6 | | | |
| Note: [ INFLAMMATION ] TGLs = 7-6 | | | |
| Note: [ HEMANGIOSARC ] TGLs = 8-23,10-25 | | | |
| Lung | | Infiltration Cellular | Histiocyte, Minimal |
| Lymph Node | Inguinal | Hyperplasia | Lymphoid, Mild |
| Note: [ HYPERPLASIA ] TGLs = 1-21 | | | |
| Nose | Mucosa | Atrophy | Minimal |
| | Mucosa | Degeneration | Minimal |
| | Glands | Hyperplasia | Cystic, Minimal |
| | Mucosa | Pigmentation | Minimal |

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 113 | **TRT#:** 3 | **SEX:** Male | **DAY ON TEST:** 589 |
| | **DOSE:** .033% | **DISP:** Natural Death | **HISTO:** 88-45761 |

**ORGAN AND ACCOUNTABLE SITE STATUS**

| | | | |
|---|---|---|---|
| Pancreas | Acinar Cell | Cytoplasmic Alteration | Moderate |
| Preputial Gland | | Ectasia | Moderate |
| | | Inflammation | Chronic, Mild |
| Note: [ ECTASIA ] TGLs = 3-8 | | | |
| Prostate | | Inflammation | Chronic, Mild |
| Seminal Vesicle | | Depletion Cellular | Moderate |
| | | Inflammation | Chronic, Mild |
| Skeletal Muscle | Sarcoplasm | Atrophy | Mild |
| | Sarcolem Nucli | Hyperplasia | Mild |
| Skin | Subcut Tiss | Hemangiosarcoma | |
| Note: [ HEMANGIOSARC ] TGLs = 2-26,9-24 | | | |
| Spleen | | Hemangiosarcoma | |
| | | Hematopoietic Cell Proliferation | Moderate |
| Note: [ HEMA CELL PROL ] TGLs = 5-6 | | | |
| Note: [ HEMANGIOSARC ] TGLs = 5-6,6-22 | | | |
| Thyroid Gland | | Degeneration | Cystic, Minimal |
| Urinary Bladder | | Dilatation | Moderate |
| Note: [ DILATATION ] TGLs = 4-8 | | | |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 114 | **TRT#:** 3 | **SEX:** Male | **DAY ON TEST:** 733 |
| | **DOSE:** .033% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47858 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Medulla | Bone | Bone Marrow | Epididymis |
| Esophagus | Gallbladder | 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 | Prostate |
| Salivary Glands | Seminal Vesicle | Skeletal Muscle | Skin |
| Spleen | Stomach - Glandular | Testes | Thymus |
| Thyroid Gland | Tongue | Trachea | Urinary Bladder |

**MISSING**

Mammary Gland

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Adrenal Gland | Cortex | Hypertrophy | Focal, Mild |
| Brain | Thalamus | Mineralization | Mild |
| Kidney | | Mineralization | Minimal |
| | Renal Tubule | Regeneration | Minimal |
| Liver | | Hyperplasia | Lymphoid, Mild |
| Lung | | Alveolar/Bronchiolar Adenoma | |
| Nose | Mucosa | Atrophy | Minimal |
| | Mucosa | Degeneration | Minimal |
| | Glands | Hyperplasia | Cystic, Minimal |
| | Mucosa | Pigmentation | Minimal |
| Preputial Gland | | Ectasia | Marked |
| | | Inflammation | Chronic, Mild |
| Note: [ ECTASIA ] TGLs = 2-8 | | | |
| Stomach | Forestomach | Inflammation | Subacute, Mild |
| | Forestomach | Squamous Cell Papilloma | |
| Note: [ PAPILLOMA SQUA ] TGLs = 3-4-1 | | | |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 115 | **TRT#:** 3 | **SEX:** Male | **DAY ON TEST:** 733 |
| | **DOSE:** .033% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47859 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Bone | Bone Marrow | Esophagus | Gallbladder |
| Heart | Intestine Large - Cecum | Intestine Large - Colon | Intestine Large - Rectum |
| Intestine Small - Duodenum | Intestine Small - Ileum | Intestine Small - Jejunum | Islets, Pancreatic |
| Pancreas | Parathyroid Gland | Pituitary Gland | Prostate |
| Salivary Glands | Seminal Vesicle | Skeletal Muscle | Skin |
| Spleen | Stomach - Forestomach | Stomach - Glandular | Testes |
| Tongue | Trachea | Urinary Bladder | |

**MISSING**

Mammary Gland

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Adrenal Gland | Cortex | Hypertrophy | Focal, Minimal |
| | Medulla | Pheochromocytoma Benign | |
| Brain | Thalamus | Mineralization | Mild |
| Epididymis | | Atypia Cellular | |
| Kidney | Renal Tubule | Atrophy | Minimal |
| | | Casts Protein | Minimal |
| | | Mineralization | Minimal |
| | Renal Tubule | Regeneration | Mild |
| Liver | | Clear Cell Focus | |
| | | Hepatocellular Adenoma | |
| Note: [ HEPATOCLR ADEN ] TGLs = 2-21 | | | |
| Lung | | Hemorrhage | Minimal |
| Note: [ HEMORRHAGE ] TGLs = 4-2-1 | | | |
| Lymph Node | Mesenteric | Hematopoietic Cell Proliferation | Minimal |
| | Mesenteric | Hemorrhage | Mild |
| | Mandibular | Hyperplasia | Lymphoid, Mild |
| Note: [ HEMORRHAGE ] TGLs = 3-5 | | | |
| Note: [ HEMA CELL PROL ] TGLs = 3-5 | | | |
| Nose | Mucosa | Atrophy | Minimal |
| | Mucosa | Degeneration | Minimal |

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 115 | **TRT#:** 3 | **SEX:** Male | **DAY ON TEST:** 733 |
| | **DOSE:** .033% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47859 |

**ORGAN AND ACCOUNTABLE SITE STATUS**

| | | | |
|---|---|---|---|
| | Glands | Hyperplasia | Cystic, Minimal |
| | Mucosa | Pigmentation | Minimal |
| Preputial Gland | | Ectasia | Mild |
| | | Inflammation | Chronic, Mild |
| Note: [ INFLAMMATION ] TGLs = 5-8 | | | |
| Note: [ ECTASIA ] TGLs = 1-8 | | | |
| Thymus | | Cyst | |
| Thyroid Gland | Follicular Cel | Hyperplasia | Minimal |
| PRIMARY CAUSE OF DEATH | - | | |

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 116 | **TRT#:** 3 | **SEX:** Male | **DAY ON TEST:** 508 |
| | **DOSE:** .033% | **DISP:** Moribund Sacrifice | **HISTO:** 88-45509 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Cortex | Adrenal Gland - Medulla | Bone | Bone Marrow |
| Epididymis | Esophagus | Gallbladder | Heart |
| Intestine Large - Cecum | Intestine Large - Colon | Intestine Large - Rectum | Intestine Small - Duodenum |
| Intestine Small - Ileum | Intestine Small - Jejunum | Lymph Node - Mandibular | Pancreas |
| Parathyroid Gland | Pituitary Gland | Prostate | Salivary Glands |
| Seminal Vesicle | Skeletal Muscle | Skin | Stomach - Glandular |
| Testes | Thymus | Thyroid Gland | Tongue |
| Trachea | Urinary Bladder | | |

**MISSING**

Mammary Gland

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Brain | Thalamus | Mineralization | Mild |
| Islets, Pancreatic | | Hyperplasia | Mild |
| Kidney | | Casts Protein | Minimal |
| | Renal Tubule | Regeneration | Minimal |
| Liver | | Hepatocellular Carcinoma | Multiple, Two |
| | Centrilobular | Necrosis | Marked |
| [ Hepatocellular Carcinoma TGLS = 3-22,4-23 ] | | | |
| [ Necrosis TGLS = 2-21 ] | | | |
| Lung | | Alveolar/Bronchiolar Adenoma | |
| | Alveolar Epith | Hyperplasia | Moderate |
| Note: [ ALV BRON ADEN ] TGLs = 5-2-1 | | | |
| Note: SMALL FOCUS OF CELLS,POSSIBLE HEPATOCELL CARC METASTASIS | | | |
| Lymph Node | Mesenteric | Hemorrhage | Minimal |
| Nose | Mucosa | Atrophy | Minimal |
| | Mucosa | Degeneration | Minimal |
| | Glands | Hyperplasia | Cystic, Minimal |
| | Mucosa | Pigmentation | Minimal |
| Spleen | | Hematopoietic Cell Proliferation | Mild |
| Stomach | Forestomach | Squamous Cell Papilloma | |

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 116 | **TRT#:** 3 | **SEX:** Male | **DAY ON TEST:** 508 |
| | **DOSE:** .033% | **DISP:** Moribund Sacrifice | **HISTO:** 88-45509 |

**ORGAN AND ACCOUNTABLE SITE STATUS**

Note: [ PAPILLOMA SQUA ]  TGLs = 1-4-1

PRIMARY CAUSE OF DEATH  -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 117 | **TRT#:** 3 | **SEX:** Male | **DAY ON TEST:** 605 |
| | **DOSE:** .033% | **DISP:** Natural Death | **HISTO:** 88-45824 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Medulla | Bone | Bone Marrow | Epididymis |
| Esophagus | Gallbladder | 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 |
| Prostate | Salivary Glands | Seminal Vesicle | Skeletal Muscle |
| Skin | Spleen | Stomach - Forestomach | Testes |
| Thymus | Thyroid Gland | Tongue | Trachea |
| Urinary Bladder | | | |

**MISSING**

Mammary Gland

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Adrenal Gland | Cortex | Hypertrophy | Focal, Minimal |
| Brain | Thalamus | Mineralization | Mild |
| Kidney | | Casts Protein | Minimal |
| | | Mineralization | Minimal |
| | Renal Tubule | Regeneration | Minimal |
| Liver | | Hyperplasia | Focal, Moderate |
| Note: [ HYPERPLASIA ] TGLs = 5-21 | | | |
| Nose | Mucosa | Atrophy | Minimal |
| | Mucosa | Degeneration | Minimal |
| | Glands | Hyperplasia | Cystic, Minimal |
| | Mucosa | Pigmentation | Minimal |
| Preputial Gland | | Ectasia | Moderate |
| | | Inflammation | Chronic, Mild |
| Note: [ ECTASIA ] TGLs = 1-8,2-8 | | | |
| Stomach | Glandular | Cyst | |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 118 | **TRT#:** 3 | **SEX:** Male | **DAY ON TEST:** 733 |
| | **DOSE:** .033% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47860 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Medulla | Bone | Epididymis | Esophagus |
| Gallbladder | Heart | Intestine Large - Cecum | Intestine Large - Colon |
| Intestine Large - Rectum | Intestine Small - Duodenum | Intestine Small - Ileum | Islets, Pancreatic |
| Lung | Lymph Node - Mandibular | Pancreas | Parathyroid Gland |
| Pituitary Gland | Prostate | Salivary Glands | Seminal Vesicle |
| Skeletal Muscle | Skin | Stomach - Forestomach | Stomach - Glandular |
| Testes | Thyroid Gland | Tongue | Trachea |
| Urinary Bladder | | | |

**MISSING**

Mammary Gland

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Adrenal Gland | Cortex | Accessory Adrenal Cortical Nodule | |
| Bone Marrow | | Hypercellularity | Mild |
| Brain | Thalamus | Mineralization | Mild |
| Intestine Small | Jejunum | Lymphoma Malignant Mixed | |
| Note: [ LYMPH MAL MIXD ] TGLs = 4-21 | | | |
| Kidney | | Cyst | |
| | Renal Tubule | Regeneration | Minimal |
| Liver | | Hematopoietic Cell Proliferation | Mild |
| | Kupffer Cell | Hyperplasia | Mild |
| | | Nuclear Alteration | Moderate |
| Lymph Node | Mesenteric | Lymphoma Malignant Mixed | |
| Note: [ LYMPH MAL MIXD ] TGLs = 3-5 | | | |
| Nose | Mucosa | Atrophy | Minimal |
| | Mucosa | Degeneration | Minimal |
| | Glands | Hyperplasia | Cystic, Minimal |
| | Mucosa | Pigmentation | Minimal |
| Preputial Gland | | Ectasia | Moderate |
| Note: [ ECTASIA ] TGLs = 1-8 | | | |
| Spleen | | Hematopoietic Cell Proliferation | Moderate |

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 118 | **TRT#:** 3 | **SEX:** Male | **DAY ON TEST:** 733 |
| | **DOSE:** .033% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47860 |

**ORGAN AND ACCOUNTABLE SITE STATUS**

| | | |
|---|---|---|
| | | Lymphoma Malignant Mixed |
| Note: [ HEMA CELL PROL ] TGLs = 2-6 | | |
| Note: [ LYMPH MAL MIXD ] TGLs = 2-6 | | |
| Thymus | | Cyst |
| PRIMARY CAUSE OF DEATH | - | |

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 119 | **TRT#:** 3 | **SEX:** Male | **DAY ON TEST:** 733 |
| | **DOSE:** .033% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47861 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Medulla | Bone | Bone Marrow | Epididymis |
| Esophagus | Gallbladder | Heart | Intestine Large - Cecum |
| Intestine Large - Colon | Intestine Large - Rectum | Intestine Small - Duodenum | Intestine Small - Ileum |
| Intestine Small - Jejunum | Liver | Lymph Node - Mandibular | Pancreas |
| Parathyroid Gland | Pituitary Gland | Prostate | Salivary Glands |
| Seminal Vesicle | Skin | Spleen | Stomach - Glandular |
| Testes | Thymus | Thyroid Gland | Tongue |
| Trachea | Urinary Bladder | | |

**MISSING**

Mammary Gland

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Adrenal Gland | Cortex | Hypertrophy | Focal, Minimal |
| Brain | Thalamus | Mineralization | Mild |
| Islets, Pancreatic | | Adenoma | |
| Kidney | Renal Tubule | Atrophy | Minimal |
| | | Mineralization | Minimal |
| | Renal Tubule | Regeneration | Mild |
| Lung | | Alveolar/Bronchiolar Adenoma | |
| Lymph Node | Mesenteric | Hyperplasia | Lymphoid, Moderate |
| Nose | Mucosa | Atrophy | Minimal |
| | Mucosa | Degeneration | Minimal |
| | Glands | Hyperplasia | Cystic, Minimal |
| | Mucosa | Pigmentation | Minimal |
| Preputial Gland | | Ectasia | Marked |
| Note: [ ECTASIA ] TGLs = 1-8 | | | |
| Skeletal Muscle | | Inflammation | Chronic, Minimal |
| Stomach | Forestomach, Mucosa | Hyperplasia | Minimal |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 120 | **TRT#:** 3 | **SEX:** Male | **DAY ON TEST:** 733 |
| | **DOSE:** .033% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47862 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Medulla | Bone | Bone Marrow | Epididymis |
| Esophagus | Gallbladder | 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 | Pancreas | Pituitary Gland | Prostate |
| Salivary Glands | Seminal Vesicle | Skeletal Muscle | Skin |
| Spleen | Stomach - Glandular | Testes | Thyroid Gland |
| Tongue | Trachea | Urinary Bladder | |

**MISSING**

| | |
|---|---|
| Mammary Gland | Parathyroid Gland |

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Adrenal Gland | Capsule, Cortex | Adenoma | |
| | Cortex | Hypertrophy | Focal, Minimal |
| Brain | Thalamus | Mineralization | Mild |
| Kidney | | Cyst | |
| | | Mineralization | Minimal |
| | Renal Tubule | Regeneration | Minimal |
| Lung | | Hyperplasia | Lymphoid, Minimal |
| Nose | Mucosa | Atrophy | Minimal |
| | Mucosa | Degeneration | Minimal |
| | Glands | Hyperplasia | Cystic, Minimal |
| | Mucosa | Pigmentation | Minimal |
| Preputial Gland | | Ectasia | Moderate |
| Note: [ ECTASIA ] TGLs = 1-8 | | | |
| Stomach | Forestomach | Diverticulum | Mild |
| Thymus | | Cyst | |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 121 | **TRT#:** 5 | **SEX:** Male | **DAY ON TEST:** 731 |
| | **DOSE:** .1% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47778 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Cortex | Adrenal Gland - Medulla | Bone | Bone Marrow |
| Epididymis | Esophagus | Gallbladder | Heart |
| Intestine Large - Cecum | Intestine Large - Colon | Intestine Large - Rectum | Intestine Small - Duodenum |
| Intestine Small - Ileum | Intestine Small - Jejunum | Islets, Pancreatic | Liver |
| Pancreas | Parathyroid Gland | Prostate | Salivary Glands |
| Seminal Vesicle | Skeletal Muscle | Skin | Spleen |
| Stomach - Forestomach | Stomach - Glandular | Testes | Thymus |
| Tongue | Trachea | Urinary Bladder | |

**MISSING**

| | |
|---|---|
| Mammary Gland | Pituitary Gland |

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Brain | Thalamus | Mineralization | Mild |
| Eye | Cornea | Hyperplasia | Moderate |
| | | Inflammation | Chronic, Moderate |
| Note: [ INFLAMMATION ] TGLs = 1-21 | | | |
| Note: [ HYPERPLASIA ] TGLs = 1-21 | | | |
| Harderian Gland | | Adenoma | |
| Note: [ ADENOMA ] TGLs = 3-9 | | | |
| Kidney | Renal Tubule | Atrophy | Minimal |
| | | Mineralization | Minimal |
| | Renal Tubule | Regeneration | Minimal |
| Lung | | Alveolar/Bronchiolar Adenoma | |
| Lymph Node | Mesenteric | Hemorrhage | Minimal |
| | Mandibular | Hyperplasia | Lymphoid, Moderate |
| Nose | Mucosa | Atrophy | Mild |
| | Mucosa | Degeneration | Mild |
| | | Exudate | |
| | Glands | Hyperplasia | Cystic, Minimal |
| | Mucosa | Pigmentation | Mild |
| Preputial Gland | | Ectasia | Marked |

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 121 | **TRT#:** 5 | **SEX:** Male | **DAY ON TEST:** 731 |
| | **DOSE:** .1% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47778 |

**ORGAN AND ACCOUNTABLE SITE STATUS**

Note: [ ECTASIA ] TGLs = 2-22

| | | |
|---|---|---|
| Thyroid Gland | Degeneration | Cystic, Mild |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 122 | **TRT#:** 5 | **SEX:** Male | **DAY ON TEST:** 731 |
| | **DOSE:** .1% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47779 |

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Cortex | Adrenal Gland - Medulla | Bone | Bone Marrow |
| Epididymis | Esophagus | Gallbladder | Heart |
| Intestine Large - Cecum | Intestine Large - Colon | Intestine Large - Rectum | Intestine Small - Duodenum |
| Intestine Small - Ileum | Intestine Small - Jejunum | Liver | Lung |
| Lymph Node - Mandibular | Lymph Node - Mesenteric | Pancreas | Parathyroid Gland |
| Pituitary Gland | Prostate | Salivary Glands | Seminal Vesicle |
| Skeletal Muscle | Skin | Spleen | Stomach - Forestomach |
| Stomach - Glandular | Testes | Thymus | Thyroid Gland |
| Tongue | Trachea | Urinary Bladder | |

**MISSING**

| | |
|---|---|
| Islets, Pancreatic | Mammary Gland |

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Blood Vessel | | Inflammation | Chronic Active, Minimal |
| Note: INFLAMMATION IS ON SLIDE 11 IN THE TONGUE | | | |
| Brain | Thalamus | Mineralization | Moderate |
| Kidney | | Cyst | |
| | | Hyperplasia | Lymphoid, Minimal |
| | | Mineralization | Minimal |
| | Renal Tubule | Regeneration | Minimal |
| Nose | Mucosa | Atrophy | Mild |
| | Mucosa | Degeneration | Mild |
| | | Exudate | |
| | Glands | Hyperplasia | Cystic, Minimal |
| | Mucosa | Pigmentation | Minimal |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 123 | **TRT#:** 5 | **SEX:** Male | **DAY ON TEST:** 456 |
| | **DOSE:** .1% | **DISP:** Scheduled Sacrifice | **HISTO:** 87-45125 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Cortex | Adrenal Gland - Medulla | Bone | Bone Marrow |
| Epididymis | Esophagus | Gallbladder | Heart |
| Intestine Large - Cecum | Intestine Large - Colon | Intestine Large - Rectum | Intestine Small - Duodenum |
| Intestine Small - Ileum | Intestine Small - Jejunum | Islets, Pancreatic | Kidney |
| Liver | Lung | Lymph Node - Mandibular | Lymph Node - Mesenteric |
| Pancreas | Parathyroid Gland | Pituitary Gland | Prostate |
| Salivary Glands | Skeletal Muscle | Skin | Spleen |
| Stomach - Forestomach | Stomach - Glandular | Testes | Thymus |
| Thyroid Gland | Tongue | Trachea | Urinary Bladder |

**MISSING**

Mammary Gland

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Brain | Thalamus | Mineralization | Minimal |
| Nose | Mucosa | Atrophy | Minimal |
| | Mucosa | Degeneration | Mild |
| | | Exudate | |
| | Mucosa | Pigmentation | Mild |
| Note: EXUDATE CONSISTS OF EOSINOPHILIC PROTEINACEOUS MATERIAL | | | |
| Seminal Vesicle | | Fibrosis | Mild |
| | | Hemorrhage | Moderate |
| Note: HEMORRHAGE TGLs = 1-7 | | | |
| [ Hemorrhage TGLS = 1-7 ] | | | |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 124 | **TRT#:** 5 | **SEX:** Male | **DAY ON TEST:** 731 |
| | **DOSE:** .1% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47780 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Medulla | Bone | Bone Marrow | Epididymis |
| Esophagus | Gallbladder | 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 | Pancreas | Parathyroid Gland | Pituitary Gland |
| Prostate | Salivary Glands | Seminal Vesicle | Skeletal Muscle |
| Skin | Spleen | Stomach - Forestomach | Stomach - Glandular |
| Testes | Thymus | Thyroid Gland | Tongue |
| Trachea | | | |

**MISSING**

Mammary Gland

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Adrenal Gland | Capsule, Cortex | Hyperplasia | Mild |
| | Cortex | Hypertrophy | Focal, Minimal |
| Brain | Thalamus | Mineralization | Mild |
| Kidney | | Mineralization | Minimal |
| | Renal Tubule | Regeneration | Minimal |
| Lung | | Alveolar/Bronchiolar Adenoma | |
| | | Infiltration Cellular | Histiocyte, Minimal |
| Note: [ ALV BRON ADEN ] TGLs = 1-2-1 | | | |
| Nose | Mucosa | Atrophy | Minimal |
| | Mucosa | Degeneration | Minimal |
| | | Exudate | |
| | Glands | Hyperplasia | Cystic, Minimal |
| | Mucosa | Pigmentation | Minimal |
| Preputial Gland | | Ectasia | Mild |
| | | Inflammation | Chronic, Mild |
| Note: [ INFLAMMATION ] TGLs = 2-8 | | | |
| Urinary Bladder | | Hyperplasia | Lymphoid, Minimal |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 124 | **TRT#:** 5 | **SEX:** Male | **DAY ON TEST:** 731 |
| | **DOSE:** .1% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47780 |

**ORGAN AND ACCOUNTABLE SITE STATUS**

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 125 | **TRT#:** 5 | **SEX:** Male | **DAY ON TEST:** 731 |
| | **DOSE:** .1% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47781 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Cortex | Adrenal Gland - Medulla | Bone | Bone Marrow |
| Epididymis | Esophagus | Gallbladder | 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 | Pancreas |
| Parathyroid Gland | Pituitary Gland | Prostate | Salivary Glands |
| Seminal Vesicle | Skeletal Muscle | Skin | Spleen |
| Stomach - Forestomach | Stomach - Glandular | Testes | Thymus |
| Thyroid Gland | Tongue | Trachea | Urinary Bladder |

**MISSING**

Mammary Gland

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Brain | Thalamus | Mineralization | Mild |
| Kidney | Renal Tubule | Regeneration | Mild |
| Nose | Mucosa | Atrophy | Mild |
| | Mucosa | Degeneration | Mild |
| | Glands | Hyperplasia | Cystic, Mild |
| | Mucosa | Pigmentation | Minimal |
| Preputial Gland | | Ectasia | Marked |
| Note: [ ECTASIA ] TGLs = 1-8 | | | |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 126 | **TRT#:** 5 | **SEX:** Male | **DAY ON TEST:** 731 |
| | **DOSE:** .1% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47782 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Medulla | Bone | Bone Marrow | Brain |
| Epididymis | Esophagus | Gallbladder | 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 | Pancreas | Parathyroid Gland |
| Prostate | Salivary Glands | Seminal Vesicle | Skeletal Muscle |
| Skin | Spleen | Stomach - Forestomach | Stomach - Glandular |
| Testes | Thymus | Thyroid Gland | Tongue |
| Trachea | Urinary Bladder | | |

**MISSING**

Mammary Gland

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Adrenal Gland | Cortex | Adenoma | |
| | Cortex | Hypertrophy | Focal, Minimal |
| Kidney | | Mineralization | Minimal |
| | Renal Tubule | Regeneration | Mild |
| Lung | | Alveolar/Bronchiolar Adenoma | |
| | Alveolar Epith | Hyperplasia | Moderate |
| | | Infiltration Cellular | Histiocyte, Mild |
| Note: [ ALV BRON ADEN ] TGLs = 2-2 | | | |
| Nose | Mucosa | Atrophy | Mild |
| | Mucosa | Degeneration | Mild |
| | | Exudate | |
| | Glands | Hyperplasia | Cystic, Minimal |
| | Mucosa | Pigmentation | Minimal |
| Pituitary Gland | Pars Distalis | Cyst | |
| Preputial Gland | | Ectasia | Marked |
| | | Inflammation | Chronic, Minimal |
| Note: [ ECTASIA ] TGLs = 1-8 | | | |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 126 | **TRT#:** 5 | **SEX:** Male | **DAY ON TEST:** 731 |
| | **DOSE:** .1% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47782 |

**ORGAN AND ACCOUNTABLE SITE STATUS**

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 127 | **TRT#:** 5 | **SEX:** Male | **DAY ON TEST:** 731 |
| | **DOSE:** .1% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47783 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Medulla | Bone | Bone Marrow | Epididymis |
| Esophagus | Gallbladder | 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 |
| Pancreas | Parathyroid Gland | Pituitary Gland | Prostate |
| Salivary Glands | Seminal Vesicle | Skeletal Muscle | Skin |
| Spleen | Stomach - Forestomach | Stomach - Glandular | Testes |
| Thymus | Thyroid Gland | Tongue | Trachea |
| Urinary Bladder | | | |

**MISSING**

Mammary Gland

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Adrenal Gland | Cortex | Accessory Adrenal Cortical Nodule | |
| Brain | Thalamus | Mineralization | Moderate |
| Kidney | | Mineralization | Minimal |
| | Renal Tubule | Regeneration | Mild |
| Liver | | Clear Cell Focus | |
| Note: [ CLEAR CL FOCUS ] TGLs = 3-21 | | | |
| Lymph Node | Mesenteric | Hemorrhage | Mild |
| Note: [ HEMORRHAGE ] TGLs = 2-5 | | | |
| Nose | Mucosa | Atrophy | Mild |
| | Mucosa | Degeneration | Mild |
| | | Exudate | |
| | Glands | Hyperplasia | Cystic, Minimal |
| | Mucosa | Pigmentation | Minimal |
| Preputial Gland | | Ectasia | Moderate |
| Note: [ ECTASIA ] TGLs = 1-8 | | | |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 128 | **TRT#:** 5 | **SEX:** Male | **DAY ON TEST:** 731 |
| | **DOSE:** .1% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47784 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Medulla | Bone | Bone Marrow | Brain |
| Esophagus | Gallbladder | 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 | Pancreas | Pituitary Gland | Prostate |
| Salivary Glands | Seminal Vesicle | Skeletal Muscle | Skin |
| Stomach - Forestomach | Stomach - Glandular | Testes | Tongue |
| Trachea | Urinary Bladder | | |

**MISSING**

Mammary Gland

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Adrenal Gland | Capsule, Cortex | Hyperplasia | Mild |
| | Cortex | Hypertrophy | Focal, Mild |
| Epididymis | | Inflammation | Chronic, Mild |
| Note: ECTOPIC TUBULE CONTAINS KERATINIZED MATERIAL | | | |
| Note: ECTOPIC TUBULE IN MESENTERY ADJACENT TO TESTIS | | | |
| Kidney | | Mineralization | Mild |
| | Renal Tubule | Regeneration | Minimal |
| Lung | Alveolar Epith | Hyperplasia | Minimal |
| Nose | Mucosa | Atrophy | Moderate |
| | Mucosa | Degeneration | Moderate |
| | | Exudate | |
| | Glands | Hyperplasia | Cystic, Minimal |
| | Mucosa | Pigmentation | Minimal |
| Parathyroid Gland | | Ectopic Thymus | |
| Preputial Gland | | Ectasia | Marked |
| Note: [ ECTASIA ] TGLs = 1-8 | | | |
| Spleen | | Hematopoietic Cell Proliferation | Mild |
| Thymus | | Cyst | |
| Thyroid Gland | Follicular Cel | Hyperplasia | Minimal |

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 128 | **TRT#:** 5 | **SEX:** Male | **DAY ON TEST:** 731 |
| | **DOSE:** .1% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47784 |

**ORGAN AND ACCOUNTABLE SITE STATUS**

| | |
|---|---|
| PRIMARY CAUSE OF DEATH | - |

Animal Note: ESOPHAGUS IS ON SLIDE 2

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 129 | **TRT#:** 5 | **SEX:** Male | **DAY ON TEST:** 456 |
| | **DOSE:** .1% | **DISP:** Scheduled Sacrifice | **HISTO:** 87-45126 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Medulla | Bone | Bone Marrow | Epididymis |
| Esophagus | Gallbladder | 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 | Parathyroid Gland | Pituitary Gland | Prostate |
| Salivary Glands | Seminal Vesicle | Skeletal Muscle | Skin |
| Stomach - Forestomach | Stomach - Glandular | Testes | Thymus |
| Thyroid Gland | Tongue | Trachea | Urinary Bladder |

**MISSING**

Mammary Gland

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Adrenal Gland | Cortex | Hyperplasia | Focal, Minimal |
| Brain | Thalamus | Mineralization | Mild |
| Kidney | | Mineralization | Minimal |
| | Renal Tubule | Regeneration | Minimal |
| Liver | | Inflammation | Subacute, Minimal |
| | Lobules | Necrosis | Minimal |
| Nose | Mucosa | Atrophy | Minimal |
| | Mucosa | Degeneration | Minimal |
| | Glands | Hyperplasia | Cystic, Minimal |
| | Mucosa | Pigmentation | Minimal |
| Pancreas | | Atrophy | Minimal |
| Spleen | Red Pulp | Hyperplasia | Moderate |

Note: HYPERPLASIA TGLs = 1-6

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 130 | **TRT#:** 5 | **SEX:** Male | **DAY ON TEST:** 731 |
| | **DOSE:** .1% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47785 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Medulla | Bone | Bone Marrow | Epididymis |
| Esophagus | Gallbladder | 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 | Pancreas | Parathyroid Gland |
| Pituitary Gland | Prostate | Salivary Glands | Seminal Vesicle |
| Skin | Spleen | Stomach - Glandular | Testes |
| Thyroid Gland | Tongue | Trachea | Urinary Bladder |

**MISSING**

Mammary Gland

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Adrenal Gland | Cortex | Hypertrophy | Focal, Minimal |
| | Cortex | Vacuolization Cytoplasmic | Focal, Mild |
| Brain | Thalamus | Mineralization | Moderate |
| Kidney | Renal Tubule | Atrophy | Minimal |
| | | Casts Protein | Minimal |
| | | Mineralization | Minimal |
| | Renal Tubule | Regeneration | Mild |
| Nose | Mucosa | Atrophy | Mild |
| | Mucosa | Degeneration | Mild |
| | | Exudate | |
| | Glands | Hyperplasia | Cystic, Mild |
| | Mucosa | Pigmentation | Minimal |
| Preputial Gland | | Ectasia | Marked |
| | | Inflammation | Chronic, Mild |
| Note: [ ECTASIA ] TGLs = 1-21 | | | |
| Skeletal Muscle | Sarcolem Nucli | Hyperplasia | Mild |
| Stomach | Forestomach | Basal Cell Adenoma | |
| Thymus | | Cyst | |
| Tooth | | Dysplasia | Mild |

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 130 | **TRT#:** 5 | **SEX:** Male | **DAY ON TEST:** 731 |
| | **DOSE:** .1% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47785 |

**ORGAN AND ACCOUNTABLE SITE STATUS**

| | |
|---|---|
| PRIMARY CAUSE OF DEATH | - |

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 131 | **TRT#:** 5 | **SEX:** Male | **DAY ON TEST:** 620 |
| | **DOSE:** .1% | **DISP:** Natural Death | **HISTO:** 88-45980 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Medulla | Bone | Bone Marrow | Epididymis |
| Esophagus | Gallbladder | Heart | 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 |
| Pancreas | Parathyroid Gland | Pituitary Gland | Prostate |
| Salivary Glands | Seminal Vesicle | Skeletal Muscle | Skin |
| Stomach - Forestomach | Stomach - Glandular | Testes | Thymus |
| Tongue | Trachea | Urinary Bladder | |

**MISSING**

Mammary Gland

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Adrenal Gland | Cortex | Hyperplasia | Focal, Minimal |
| Brain | Thalamus | Mineralization | Mild |
| Islets, Pancreatic | | Hyperplasia | Minimal |
| Kidney | | Casts Protein | Minimal |
| | | Hyperplasia | Lymphoid, Moderate |
| | | Mineralization | Minimal |
| Liver | | Hemangiosarcoma | |
| [ Hemangiosarcoma TGLS = 3-21,4-22,5-23,6-24 ] | | | |
| Nose | Mucosa | Atrophy | Mild |
| | Mucosa | Degeneration | Moderate |
| | Glands | Hyperplasia | Cystic, Minimal |
| | Mucosa | Pigmentation | Mild |
| Spleen | | Hematopoietic Cell Proliferation | Moderate |
| Note: [ HEMA CELL PROL ] TGLs = 2-6 | | | |
| Thyroid Gland | | Degeneration | Cystic, Minimal |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 132 | **TRT#:** 5 | **SEX:** Male | **DAY ON TEST:** 620 |
| | **DOSE:** .1% | **DISP:** Moribund Sacrifice | **HISTO:** 88-45981 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Cortex | Adrenal Gland - Medulla | Bone Marrow | Epididymis |
| Esophagus | Gallbladder | 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 |
| Prostate | Salivary Glands | Seminal Vesicle | Skeletal Muscle |
| Skin | Spleen | Stomach - Forestomach | Stomach - Glandular |
| Testes | Thyroid Gland | Tongue | Trachea |
| Urinary Bladder | | | |

**MISSING**

Mammary Gland

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Bone | | Osteosarcoma | |
| [ Osteosarcoma TGLS = 1-21 ] | | | |
| Brain | Thalamus | Mineralization | Minimal |
| | Glial Cell | Proliferation | Moderate |
| | | Vacuolization Cytoplasmic | Moderate |
| Note: [ PROLIFERATION ] TGLs = 2-1 | | | |
| Note: [ VACUOLIZ CYTO ] TGLs = 2-1 | | | |
| Kidney | | Casts Protein | Minimal |
| | | Mineralization | Minimal |
| | Renal Tubule | Regeneration | Minimal |
| Liver | Kupffer Cell | Hyperplasia | Mild |
| | Centrilobular | Necrosis | Minimal |
| | Kupffer Cell | Pigmentation | Mild |
| Nose | Mucosa | Atrophy | Mild |
| | Mucosa | Degeneration | Mild |
| | Mucosa | Pigmentation | Mild |
| Thymus | | Cyst | |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 132 | **TRT#:** 5 | **SEX:** Male | **DAY ON TEST:** 620 |
| | **DOSE:** .1% | **DISP:** Moribund Sacrifice | **HISTO:** 88-45981 |

**ORGAN AND ACCOUNTABLE SITE STATUS**

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 133 | **TRT#:** 5 | **SEX:** Male | **DAY ON TEST:** 731 |
| | **DOSE:** .1% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47786 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Medulla | Bone | Bone Marrow | Epididymis |
| Esophagus | Gallbladder | 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 |
| Pancreas | Parathyroid Gland | Pituitary Gland | Prostate |
| Salivary Glands | Seminal Vesicle | Skeletal Muscle | Skin |
| Spleen | Stomach - Forestomach | Stomach - Glandular | Testes |
| Thymus | Thyroid Gland | Tongue | Trachea |
| Urinary Bladder | | | |

**MISSING**

Mammary Gland

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Adrenal Gland | Cortex | Accessory Adrenal Cortical Nodule | |
| | Capsule, Cortex | Hyperplasia | Moderate |
| | Cortex | Hypertrophy | Focal, Minimal |
| Brain | Thalamus | Mineralization | Moderate |
| Kidney | | Cyst | |
| | | Mineralization | Minimal |
| | Renal Tubule | Regeneration | Mild |
| Liver | | Hepatocellular Carcinoma | |
| Note: [ HEPATOCLR CARC ] TGLs = 2-22 | | | |
| Lymph Node | Mandibular | Pigmentation | Moderate |
| Nose | Mucosa | Atrophy | Mild |
| | Mucosa | Degeneration | Mild |
| | | Exudate | |
| | Glands | Hyperplasia | Cystic, Mild |
| | Mucosa | Pigmentation | Minimal |
| Preputial Gland | | Ectasia | Marked |
| Note: [ ECTASIA ] TGLs = 1-21 | | | |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 133 | **TRT#:** 5 | **SEX:** Male | **DAY ON TEST:** 731 |
| | **DOSE:** .1% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47786 |

**ORGAN AND ACCOUNTABLE SITE STATUS**

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 134 | **TRT#:** 5 | **SEX:** Male | **DAY ON TEST:** 457 |
| | **DOSE:** .1% | **DISP:** Scheduled Sacrifice | **HISTO:** 87-45134 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Medulla | Bone | Bone Marrow | Epididymis |
| Esophagus | Gallbladder | Heart | Intestine Large - Cecum |
| Intestine Large - Colon | Intestine Large - Rectum | Intestine Small - Duodenum | Intestine Small - Ileum |
| Intestine Small - Jejunum | Liver | Lung | Lymph Node - Mandibular |
| Lymph Node - Mesenteric | Pancreas | Parathyroid Gland | Pituitary Gland |
| Prostate | Salivary Glands | Seminal Vesicle | Skeletal Muscle |
| Skin | Spleen | Stomach - Forestomach | Stomach - Glandular |
| Testes | Thymus | Thyroid Gland | Tongue |
| Trachea | Urinary Bladder | | |

**MISSING**

Mammary Gland

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Adrenal Gland | Cortex | Hyperplasia | Focal, Mild |
| Brain | Thalamus | Mineralization | Mild |
| Islets, Pancreatic | | Hyperplasia | Mild |
| Kidney | Renal Tubule | Regeneration | Minimal |
| Nose | Mucosa | Atrophy | Mild |
| | Mucosa | Degeneration | Mild |
| | Mucosa | Pigmentation | Minimal |
| Preputial Gland | | Ectasia | Mild |
| | | Inflammation | Chronic, Mild |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 135 | **TRT#:** 5 | **SEX:** Male | **DAY ON TEST:** 731 |
| | **DOSE:** .1% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47787 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Cortex | Adrenal Gland - Medulla | Bone | Bone Marrow |
| Epididymis | Esophagus | Gallbladder | Heart |
| Intestine Large - Cecum | Intestine Large - Colon | Intestine Large - Rectum | Intestine Small - Duodenum |
| Intestine Small - Ileum | Islets, Pancreatic | Liver | Lung |
| Lymph Node - Mandibular | Pancreas | Parathyroid Gland | Pituitary Gland |
| Prostate | Salivary Glands | Seminal Vesicle | Skeletal Muscle |
| Skin | Spleen | Stomach - Forestomach | Stomach - Glandular |
| Testes | Tongue | Trachea | Urinary Bladder |

**MISSING**

| | |
|---|---|
| Mammary Gland | Thymus |

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Brain | Thalamus | Mineralization | Mild |
| Intestine Small | Jejunum | Hyperplasia | Lymphoid, Mild |
| Note: [ HYPERPLASIA ] TGLs = 4-21 | | | |
| Kidney | | Cyst | |
| | Renal Tubule | Regeneration | Mild |
| Lymph Node | Mesenteric | Hemorrhage | Moderate |
| | Mesenteric | Necrosis | Moderate |
| Note: [ HEMORRHAGE ] TGLs = 3-5 | | | |
| Note: [ NECROSIS ] TGLs = 3-5 | | | |
| Nose | Mucosa | Atrophy | Mild |
| | Mucosa | Degeneration | Mild |
| | Mucosa | Pigmentation | Minimal |
| Preputial Gland | | Ectasia | Moderate |
| | | Inflammation | Chronic, Mild |
| Note: [ ECTASIA ] TGLs = 1-8 | | | |
| Thyroid Gland | Follicle | Cyst | |
| | Follicular Cel | Hyperplasia | Mild |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 136 | **TRT#:** 5 | **SEX:** Male | **DAY ON TEST:** 731 |
| | **DOSE:** .1% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47788 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Medulla | Bone | Bone Marrow | Epididymis |
| Esophagus | Heart | Intestine Large - Cecum | Intestine Large - Colon |
| Intestine Large - Rectum | Intestine Small - Duodenum | Intestine Small - Ileum | Intestine Small - Jejunum |
| Islets, Pancreatic | Liver | Lymph Node - Mandibular | Pancreas |
| Parathyroid Gland | Pituitary Gland | Prostate | Salivary Glands |
| Seminal Vesicle | Skeletal Muscle | Skin | Spleen |
| Stomach - Glandular | Testes | Thyroid Gland | Tongue |
| Trachea | Urinary Bladder | | |

**MISSING**

| | |
|---|---|
| Gallbladder | Mammary Gland |

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Adrenal Gland | Cortex | Hyperplasia | Focal, Minimal |
| | Cortex | Hypertrophy | Focal, Mild |
| Brain | Thalamus | Mineralization | Moderate |
| Kidney | | Mineralization | Minimal |
| | Renal Tubule | Regeneration | Mild |
| Lung | | Hemorrhage | Mild |
| Note: [ HEMORRHAGE ] TGLs = 3-2-1 | | | |
| Lymph Node | Mesenteric | Hemorrhage | Mild |
| Note: [ HEMORRHAGE ] TGLs = 1-5 | | | |
| Nose | Mucosa | Atrophy | Minimal |
| | Mucosa | Degeneration | Minimal |
| | | Exudate | |
| | Glands | Hyperplasia | Cystic, Minimal |
| | Mucosa | Pigmentation | Minimal |
| Stomach | Forestomach | Squamous Cell Papilloma | |
| Thymus | | Cyst | |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 137 | **TRT#:** 5 | **SEX:** Male | **DAY ON TEST:** 571 |
| | **DOSE:** .1% | **DISP:** Moribund Sacrifice | **HISTO:** 88-45710 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Cortex | Adrenal Gland - Medulla | Bone | Epididymis |
| Esophagus | Gallbladder | 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 - Mesenteric | Pancreas | Parathyroid Gland | Prostate |
| Salivary Glands | Seminal Vesicle | Skeletal Muscle | Skin |
| Stomach - Forestomach | Stomach - Glandular | Testes | Tongue |
| Trachea | Urinary Bladder | | |

**MISSING**

| | |
|---|---|
| Mammary Gland | Thymus |

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Bone Marrow | | Pigmentation | Hemosiderin, Moderate |
| Brain | | Carcinoma | Metastatic (Pituitary Gland) |
| | | Hydrocephalus | Moderate |
| Note: [ HYDROCEPHALUS ] TGLs = 3-1,4-1 | | | |
| Note: [ CARCINOMA ] TGLs = 3-1 | | | |
| Kidney | | Casts Protein | Minimal |
| | Renal Tubule | Regeneration | Minimal |
| Lymph Node | Mandibular | Hyperplasia | Lymphoid, Mild |
| Nose | Mucosa | Atrophy | Mild |
| | Mucosa | Degeneration | Moderate |
| | | Exudate | |
| | Glands | Hyperplasia | Cystic, Mild |
| | Mucosa | Pigmentation | Mild |
| Pituitary Gland | Pars Distalis | Carcinoma | |
| Note: [ CARCINOMA ] TGLs = 2-1,3-1 | | | |
| Spleen | Red Pulp | Atrophy | Mild |
| Note: [ ATROPHY ] TGLs = 1-6 | | | |
| Thyroid Gland | | Degeneration | Cystic, Minimal |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 137 | **TRT#:** 5 | **SEX:** Male | **DAY ON TEST:** 571 |
| | **DOSE:** .1% | **DISP:** Moribund Sacrifice | **HISTO:** 88-45710 |

**ORGAN AND ACCOUNTABLE SITE STATUS**

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 138 | **TRT#:** 5 | **SEX:** Male | **DAY ON TEST:** 731 |
| | **DOSE:** .1% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47789 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Medulla | Bone | Bone Marrow | Epididymis |
| Esophagus | Gallbladder | 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 | Pancreas | Pituitary Gland | Prostate |
| Salivary Glands | Seminal Vesicle | Skeletal Muscle | Skin |
| Spleen | Stomach - Forestomach | Stomach - Glandular | Testes |
| Thymus | Tongue | Trachea | Urinary Bladder |

**MISSING**

| | |
|---|---|
| Mammary Gland | Parathyroid Gland |

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Adrenal Gland | Cortex | Hypertrophy | Focal, Minimal |
| | Cortex | Vacuolization Cytoplasmic | Focal, Minimal |
| Brain | Thalamus | Mineralization | Mild |
| Kidney | | Hyperplasia | Lymphoid, Minimal |
| | | Mineralization | Minimal |
| | Renal Tubule | Regeneration | Mild |
| Lymph Node | Mesenteric | Hematopoietic Cell Proliferation | Minimal |
| Note: [ HEMA CELL PROL ] TGLs = 3-5 | | | |
| Nose | Mucosa | Atrophy | Mild |
| | Mucosa | Degeneration | Mild |
| | Glands | Hyperplasia | Cystic, Minimal |
| | Mucosa | Pigmentation | Minimal |
| Preputial Gland | | Ectasia | Moderate |
| | | Inflammation | Chronic, Mild |
| Note: [ ECTASIA ] TGLs = 1-8 | | | |
| Thyroid Gland | Follicular Cel | Adenoma | |
| | Follicular Cel | Hyperplasia | Minimal |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 139 | **TRT#:** 5 | **SEX:** Male | **DAY ON TEST:** 731 |
| | **DOSE:** .1% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47790 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Medulla | Bone | Bone Marrow | Epididymis |
| Esophagus | Gallbladder | 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 | Prostate |
| Salivary Glands | Seminal Vesicle | Skeletal Muscle | Skin |
| Spleen | Stomach - Forestomach | Stomach - Glandular | Testes |
| Tongue | Trachea | Urinary Bladder | |

**MISSING**

Mammary Gland

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Adrenal Gland | Cortex | Accessory Adrenal Cortical Nodule | |
| | Capsule, Cortex | Hyperplasia | Moderate |
| | Cortex | Hypertrophy | Focal, Mild |
| Brain | Thalamus | Mineralization | Mild |
| Kidney | | Mineralization | Mild |
| | Renal Tubule | Regeneration | Mild |
| Liver | | Hyperplasia | Focal, Minimal |
| Note: [ HYPERPLASIA ] TGLs = 2-21 | | | |
| Lung | | Hemorrhage | Minimal |
| Nose | Mucosa | Atrophy | Mild |
| | Mucosa | Degeneration | Mild |
| | | Exudate | |
| | Glands | Hyperplasia | Cystic, Mild |
| | Mucosa | Pigmentation | Minimal |
| Preputial Gland | | Inflammation | Chronic, Mild |
| Note: [ INFLAMMATION ] TGLs = 1-8 | | | |
| Thymus | | Cyst | |
| Thyroid Gland | Follicular Cel | Hyperplasia | Minimal |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 139 | **TRT#:** 5 | **SEX:** Male | **DAY ON TEST:** 731 |
| | **DOSE:** .1% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47790 |

**ORGAN AND ACCOUNTABLE SITE STATUS**

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 140 | **TRT#:** 5 | **SEX:** Male | **DAY ON TEST:** 726 |
| | **DOSE:** .1% | **DISP:** Moribund Sacrifice | **HISTO:** 88-47791 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Cortex | Adrenal Gland - Medulla | Bone | Bone Marrow |
| Epididymis | Esophagus | Gallbladder | 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 | Prostate | Salivary Glands |
| Seminal Vesicle | Skeletal Muscle | Skin | Stomach - Forestomach |
| Stomach - Glandular | Testes | Tongue | Trachea |
| Urinary Bladder | | | |

**MISSING**

| | |
|---|---|
| Mammary Gland | Parathyroid Gland |

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Brain | Thalamus | Mineralization | Mild |
| Kidney | | Mineralization | Minimal |
| | Renal Tubule | Regeneration | Minimal |
| Liver | Kupffer Cell | Hyperplasia | Mild |
| | | Lymphoma Malignant Mixed | |
| | | Mixed Cell Focus | |
| Note: LYMPH MAL MIXD ALSO ON SLIDE 6 | | | |
| Note: [ MIXED CL FOCUS ] TGLs = 4-24 | | | |
| Note: [ LYMPH MAL MIXD ] TGLs = 1-21,2-22,3-23 | | | |
| Lung | | Alveolar/Bronchiolar Adenoma | |
| Nose | Mucosa | Atrophy | Mild |
| | Mucosa | Degeneration | Mild |
| | | Exudate | |
| | Glands | Hyperplasia | Cystic, Mild |
| | Mucosa | Pigmentation | Minimal |
| Pituitary Gland | Pars Distalis | Hyperplasia | Mild |
| Spleen | | Hematopoietic Cell Proliferation | Moderate |
| Thymus | | Depletion Cellular | Mild |
| Thyroid Gland | | Degeneration | Cystic, Mild |

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 140 | **TRT#:** 5 | **SEX:** Male | **DAY ON TEST:** 726 |
| | **DOSE:** .1% | **DISP:** Moribund Sacrifice | **HISTO:** 88-47791 |

**ORGAN AND ACCOUNTABLE SITE STATUS**

| | |
|---|---|
| PRIMARY CAUSE OF DEATH | - |

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 141 | **TRT#:** 5 | **SEX:** Male | **DAY ON TEST:** 708 |
| | **DOSE:** .1% | **DISP:** Natural Death | **HISTO:** 88-46924 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

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

**MISSING**

Mammary Gland

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Harderian Gland | | Adenoma | |
| Kidney | Renal Tubule | Atrophy | Minimal |
| | | Hyperplasia | Lymphoid, Minimal |
| | | Mineralization | Minimal |
| | Renal Tubule | Regeneration | Minimal |
| Liver | | Hepatocellular Carcinoma | |
| [ Hepatocellular Carcinoma TGLS = 1-21 ] | | | |
| Lung | | Alveolar/Bronchiolar Adenoma | |
| Note: [ ALV BRON ADEN ] TGLs = 2-2-1 | | | |
| Lymph Node | Mesenteric | Hemorrhage | Minimal |
| Nose | Mucosa | Atrophy | Minimal |
| | Mucosa | Degeneration | Minimal |
| | Glands | Hyperplasia | Cystic, Minimal |
| | Mucosa | Pigmentation | Minimal |
| Spleen | | Hematopoietic Cell Proliferation | Mild |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 142 | **TRT#:** 5 | **SEX:** Male | **DAY ON TEST:** 457 |
| | **DOSE:** .1% | **DISP:** Scheduled Sacrifice | **HISTO:** 87-45135 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Cortex | Adrenal Gland - Medulla | Bone | Bone Marrow |
| Epididymis | Esophagus | Gallbladder | 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 | Pancreas |
| Parathyroid Gland | Pituitary Gland | Prostate | Salivary Glands |
| Seminal Vesicle | Skin | Spleen | Stomach - Forestomach |
| Stomach - Glandular | Testes | Thymus | Thyroid Gland |
| Tongue | Trachea | Urinary Bladder | |

**MISSING**

Mammary Gland

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Brain | Thalamus | Mineralization | Mild |
| Liver | | Hepatocellular Adenoma | |
| Note: HEPATOCLR ADEN TGLs = 2-21 | | | |
| Nose | Mucosa | Atrophy | Mild |
| | Mucosa | Degeneration | Mild |
| | Mucosa | Pigmentation | Minimal |
| Preputial Gland | | Ectasia | Moderate |
| Note: ECTASIA TGLs = 1-8 | | | |
| Skeletal Muscle | | Inflammation | Chronic, Minimal |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 143 | **TRT#:** 5 | **SEX:** Male | **DAY ON TEST:** 731 |
| | **DOSE:** .1% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47792 |

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

| | | | |
|---|---|---|---|
| Bone | Bone Marrow | Epididymis | Esophagus |
| Gallbladder | Heart | 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 | Parathyroid Gland |
| Pituitary Gland | Prostate | Salivary Glands | Seminal Vesicle |
| Skeletal Muscle | Skin | Spleen | Stomach - Forestomach |
| Stomach - Glandular | Testes | Tongue | Trachea |
| Urinary Bladder | | | |

**MISSING**

Mammary Gland

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Adrenal Gland | Medulla | Hyperplasia | Minimal |
| | Cortex | Hypertrophy | Focal, Minimal |
| Brain | Thalamus | Mineralization | Minimal |
| Islets, Pancreatic | | Adenoma | |
| Note: [ ADENOMA ] TGLs = 1-21 | | | |
| Kidney | | Mineralization | Mild |
| | Renal Tubule | Regeneration | Mild |
| Liver | Lobules | Necrosis | Minimal |
| Nose | Mucosa | Atrophy | Mild |
| | Mucosa | Degeneration | Mild |
| | | Exudate | |
| | Glands | Hyperplasia | Cystic, Mild |
| | Mucosa | Pigmentation | Minimal |
| Pancreas | | Atrophy | Mild |
| | | Hyperplasia | Lymphoid, Minimal |
| Thymus | | Cyst | |
| Thyroid Gland | Follicular Cel | Hyperplasia | Minimal |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 144 | **TRT#:** 5 | **SEX:** Male | **DAY ON TEST:** 731 |
| | **DOSE:** .1% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47793 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Medulla | Bone Marrow | Epididymis | Esophagus |
| Gallbladder | Heart | Intestine Large - Cecum | Intestine Large - Colon |
| Intestine Large - Rectum | Intestine Small - Duodenum | Intestine Small - Jejunum | Lymph Node - Mandibular |
| Pancreas | Parathyroid Gland | Pituitary Gland | Prostate |
| Salivary Glands | Seminal Vesicle | Skeletal Muscle | Skin |
| Spleen | Stomach - Forestomach | Stomach - Glandular | Testes |
| Thymus | Thyroid Gland | Tongue | Trachea |
| Urinary Bladder | | | |

**MISSING**

Mammary Gland

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Adrenal Gland | Cortex | Hypertrophy | Focal, Mild |
| Bone | | Hyperostosis | Moderate |
| Note: [ HYPEROSTOSIS ] TGLs = 4-22 | | | |
| Brain | | Compression | |
| | Thalamus | Mineralization | Mild |
| [ Mineralization TGLS = 5-1-1 ] | | | |
| Intestine Small | Ileum | Inflammation | Chronic, Mild |
| Islets, Pancreatic | | Hyperplasia | Mild |
| Kidney | | Cyst | |
| | | Mineralization | Minimal |
| | Renal Tubule | Regeneration | Mild |
| Liver | | Hepatocellular Adenoma | Multiple, Two |
| Note: [ HEPATOCLR ADEN ] TGLs = 1-21,6-23 | | | |
| Lung | | Alveolar/Bronchiolar Adenoma | |
| Note: [ ALV BRON ADEN ] TGLs = 3-2 | | | |
| Lymph Node | Mesenteric | Hyperplasia | Plasma Cell, Moderate |
| Note: [ HYPERPLASIA ] TGLs = 2-5 | | | |
| Nose | Mucosa | Atrophy | Mild |
| | Mucosa | Degeneration | Mild |

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 144 | **TRT#:** 5 | **SEX:** Male | **DAY ON TEST:** 731 |
| | **DOSE:** .1% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47793 |

**ORGAN AND ACCOUNTABLE SITE STATUS**

| | | | |
|---|---|---|---|
| | | Exudate | |
| | Glands | Hyperplasia | Cystic, Mild |
| | Mucosa | Pigmentation | Minimal |
| PRIMARY CAUSE OF DEATH | - | | |

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 145 | **TRT#:** 5 | **SEX:** Male | **DAY ON TEST:** 731 |
| | **DOSE:** .1% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47794 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Medulla | Bone | Bone Marrow | Epididymis |
| Esophagus | Gallbladder | Heart | Intestine Large - Cecum |
| Intestine Large - Colon | Intestine Large - Rectum | Intestine Small - Duodenum | Intestine Small - Ileum |
| Intestine Small - Jejunum | Liver | Lung | Lymph Node - Mandibular |
| Lymph Node - Mesenteric | Pancreas | Parathyroid Gland | Pituitary Gland |
| Prostate | Salivary Glands | Seminal Vesicle | Skeletal Muscle |
| Skin | Spleen | Stomach - Glandular | Testes |
| Thyroid Gland | Tongue | Trachea | Urinary Bladder |

**MISSING**

Mammary Gland

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Adrenal Gland | Cortex | Hypertrophy | Focal, Minimal |
| Brain | Thalamus | Mineralization | Mild |
| Harderian Gland | | Adenoma | |
| Note: [ ADENOMA ] TGLs = 1-21 | | | |
| Islets, Pancreatic | | Hyperplasia | Mild |
| Kidney | | Cyst | |
| | | Hyperplasia | Lymphoid, Minimal |
| | | Mineralization | Minimal |
| | Renal Tubule | Regeneration | Mild |
| Nose | Mucosa | Atrophy | Mild |
| | Mucosa | Degeneration | Mild |
| | | Exudate | |
| | Glands | Hyperplasia | Cystic, Minimal |
| | Mucosa | Pigmentation | Minimal |
| Stomach | Forestomach, Mucosa | Hyperplasia | Minimal |
| Thymus | | Cyst | |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 146 | **TRT#:** 5 | **SEX:** Male | **DAY ON TEST:** 731 |
| | **DOSE:** .1% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47795 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Cortex | Adrenal Gland - Medulla | Bone | Bone Marrow |
| Epididymis | Esophagus | Gallbladder | Heart |
| Intestine Large - Cecum | Intestine Large - Colon | Intestine Large - Rectum | Intestine Small - Duodenum |
| Intestine Small - Ileum | Intestine Small - Jejunum | Lung | Lymph Node - Mandibular |
| Pancreas | Parathyroid Gland | Pituitary Gland | Prostate |
| Salivary Glands | Seminal Vesicle | Skeletal Muscle | Skin |
| Spleen | Stomach - Forestomach | Stomach - Glandular | Testes |
| Thymus | Thyroid Gland | Tongue | Trachea |
| Urinary Bladder | | | |

**MISSING**

Mammary Gland

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Brain | Thalamus | Mineralization | Moderate |
| Islets, Pancreatic | | Hyperplasia | Mild |
| Kidney | | Casts Protein | Minimal |
| | | Mineralization | Minimal |
| | Renal Tubule | Regeneration | Mild |
| Liver | | Hepatocellular Adenoma | |
| | Hepatocyte | Vacuolization Cytoplasmic | Mild |
| Note: [ HEPATOCLR ADEN ] TGLs = 1-21 | | | |
| Lymph Node | Mesenteric | Hemorrhage | Minimal |
| Nose | Mucosa | Atrophy | Mild |
| | Mucosa | Degeneration | Mild |
| | Glands | Hyperplasia | Cystic, Minimal |
| | Mucosa | Pigmentation | Minimal |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 147 | **TRT#:** 5 | **SEX:** Male | **DAY ON TEST:** 457 |
| | **DOSE:** .1% | **DISP:** Scheduled Sacrifice | **HISTO:** 87-45136 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Cortex | Adrenal Gland - Medulla | Bone | Bone Marrow |
| Epididymis | Esophagus | Gallbladder | Heart |
| Intestine Large - Cecum | Intestine Large - Colon | Intestine Large - Rectum | Intestine Small - Duodenum |
| Intestine Small - Ileum | Intestine Small - Jejunum | Kidney | Lymph Node - Mandibular |
| Lymph Node - Mesenteric | Pancreas | Parathyroid Gland | Pituitary Gland |
| Prostate | Salivary Glands | Seminal Vesicle | Skeletal Muscle |
| Skin | Spleen | Stomach - Forestomach | Stomach - Glandular |
| Testes | Thymus | Thyroid Gland | Tongue |
| Trachea | Urinary Bladder | | |

**MISSING**

Mammary Gland

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Brain | Thalamus | Mineralization | Mild |
| Islets, Pancreatic | | Hyperplasia | Mild |
| Liver | Hepatocyte | Cytomegaly | Mild |
| | Hepatocyte | Vacuolization Cytoplasmic | Mild |
| Lung | | Alveolar/Bronchiolar Adenoma | |
| Nose | Mucosa | Atrophy | Mild |
| | Mucosa | Degeneration | Mild |
| | Mucosa | Pigmentation | Minimal |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 148 | **TRT#:** 5 | **SEX:** Male | **DAY ON TEST:** 724 |
| | **DOSE:** .1% | **DISP:** Moribund Sacrifice | **HISTO:** 88-47055 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Medulla | Bone | Bone Marrow | Esophagus |
| Gallbladder | Heart | Intestine Large - Cecum | Intestine Large - Colon |
| Intestine Large - Rectum | Intestine Small - Duodenum | Intestine Small - Ileum | Intestine Small - Jejunum |
| Pancreas | Prostate | Salivary Glands | Seminal Vesicle |
| Skeletal Muscle | Skin | Spleen | Stomach - Forestomach |
| Stomach - Glandular | Thyroid Gland | Tongue | Trachea |
| Urinary Bladder | | | |

**MISSING**

| | |
|---|---|
| Mammary Gland | Parathyroid Gland |

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Adrenal Gland | Cortex | Hyperplasia | Focal, Minimal |
| Brain | Thalamus | Mineralization | Moderate |
| Epididymis | | Atypia Cellular | |
| | | Spermatocele | |
| Harderian Gland | | Adenoma | |
| Note: [ ADENOMA ] TGLs = 6-9,7-9 | | | |
| Islets, Pancreatic | | Hyperplasia | Mild |
| Kidney | | Hyperplasia | Lymphoid, Minimal |
| | | Mineralization | Minimal |
| | Renal Tubule | Regeneration | Minimal |
| Liver | | Hepatocellular Adenoma | Multiple, Two |
| Note: [ HEPATOCLR ADEN ] TGLs = 4-22,8-6-1 | | | |
| Lung | | Infiltration Cellular | Histiocyte, Minimal |
| Lymph Node | Mesenteric | Hematopoietic Cell Proliferation | Mild |
| | Mesenteric | Hemorrhage | Mild |
| | Mandibular | Hyperplasia | Lymphoid, Mild |
| Note: [ HEMA CELL PROL ] TGLs = 5-5 | | | |
| Note: [ HEMORRHAGE ] TGLs = 5-5 | | | |
| Mesentery | Fat | Necrosis | Moderate |
| Note: [ NECROSIS ] TGLs = 3-21 | | | |

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 148 | **TRT#:** 5 | **SEX:** Male | **DAY ON TEST:** 724 |
| | **DOSE:** .1% | **DISP:** Moribund Sacrifice | **HISTO:** 88-47055 |

**ORGAN AND ACCOUNTABLE SITE STATUS**

| | | | |
|---|---|---|---|
| Nose | Mucosa | Atrophy | Mild |
| | Mucosa | Degeneration | Mild |
| | Glands | Hyperplasia | Cystic, Minimal |
| | Mucosa | Pigmentation | Minimal |
| Pituitary Gland | Pars Distalis | Hyperplasia | Minimal |
| Preputial Gland | | Ectasia | Moderate |
| | | Inflammation | Chronic, Mild |
| Note: [ ECTASIA ] TGLs = 1-8 | | | |
| Testes | Interstit Cell | Adenoma | |
| | Seminif Tub | Atrophy | Mild |
| Note: [ ADENOMA ] TGLs = 2-7 | | | |
| Thymus | | Cyst | |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 149 | **TRT#:** 5 | **SEX:** Male | **DAY ON TEST:** 731 |
| | **DOSE:** .1% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47796 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Medulla | Bone | Bone Marrow | Epididymis |
| Esophagus | Gallbladder | 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 |
| Prostate | Salivary Glands | Seminal Vesicle | Skeletal Muscle |
| Skin | Spleen | Stomach - Forestomach | Stomach - Glandular |
| Testes | Tongue | Trachea | Urinary Bladder |

**MISSING**

Mammary Gland

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Adrenal Gland | Cortex | Hypertrophy | Focal, Mild |
| Brain | Thalamus | Mineralization | Mild |
| Kidney | | Hyperplasia | Lymphoid, Minimal |
| | | Mineralization | Minimal |
| | Renal Tubule | Regeneration | Mild |
| Liver | | Inflammation | Subacute, Minimal |
| Nose | Mucosa | Atrophy | Moderate |
| | Mucosa | Degeneration | Moderate |
| | | Exudate | |
| | Glands | Hyperplasia | Cystic, Minimal |
| | Mucosa | Pigmentation | Minimal |
| Preputial Gland | | Ectasia | Moderate |
| | | Inflammation | Chronic, Mild |
| Note: [ ECTASIA ] TGLs = 1-8 | | | |
| Thymus | | Cyst | |
| Thyroid Gland | Follicle | Cyst | |
| | Follicular Cel | Hyperplasia | Minimal |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 150 | **TRT#:** 5 | **SEX:** Male | **DAY ON TEST:** 618 |
| | **DOSE:** .1% | **DISP:** Moribund Sacrifice | **HISTO:** 88-45982 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Medulla | Bone | Epididymis | Esophagus |
| Gallbladder | Heart | Intestine Large - Cecum | Intestine Large - Colon |
| Intestine Large - Rectum | Intestine Small - Duodenum | Intestine Small - Ileum | Intestine Small - Jejunum |
| Lymph Node - Mandibular | Lymph Node - Mesenteric | Pancreas | Parathyroid Gland |
| Pituitary Gland | Prostate | Salivary Glands | Seminal Vesicle |
| Skeletal Muscle | Stomach - Forestomach | Stomach - Glandular | Testes |
| Thyroid Gland | Tongue | Trachea | Urinary Bladder |

**MISSING**

Mammary Gland

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Adrenal Gland | Capsule, Cortex | Hyperplasia | Mild |
| Bone Marrow | | Hemangiosarcoma | |
| | | Hypercellularity | Mild |
| Brain | Thalamus | Mineralization | Mild |
| Islets, Pancreatic | | Hyperplasia | Moderate |
| Kidney | | Cyst | |
| | | Glomerulosclerosis | Minimal |
| | | Hyperplasia | Lymphoid, Mild |
| | | Mineralization | Minimal |
| Liver | | Hematopoietic Cell Proliferation | Marked |
| Note: [ HEMA CELL PROL ] TGLs = 5-22 | | | |
| Lung | Alveolar Epith | Hyperplasia | Minimal |
| | | Infiltration Cellular | Histiocyte, Minimal |
| Nose | Mucosa | Atrophy | Mild |
| | Mucosa | Degeneration | Mild |
| | | Exudate | |
| | Glands | Hyperplasia | Cystic, Mild |
| | Mucosa | Pigmentation | Mild |
| Note: MUCOSAL CHANGES INVOLVE THE OLFACTORY EPITHELIUM | | | |
| Skin | Subcut Tiss | Edema | Moderate |

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 150 | **TRT#:** 5 | **SEX:** Male | **DAY ON TEST:** 618 |
| | **DOSE:** .1% | **DISP:** Moribund Sacrifice | **HISTO:** 88-45982 |

**ORGAN AND ACCOUNTABLE SITE STATUS**

| | | | |
|---|---|---|---|
| | Subcut Tiss | Hemangiosarcoma | |
| Note: [ HEMANGIOSARC ] TGLs = 2-21 | | | |
| Note: [ EDEMA ] TGLs = 1-8 | | | |
| Spleen | | Hemangiosarcoma | |
| | | Hematopoietic Cell Proliferation | Moderate |
| Note: [ HEMA CELL PROL ] TGLs = 3-6 | | | |
| Note: [ HEMANGIOSARC ] TGLs = 3-6,4-6 | | | |
| Thymus | | Depletion Cellular | Mild |
| PRIMARY CAUSE OF DEATH | - | | |

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 151 | **TRT#:** 5 | **SEX:** Male | **DAY ON TEST:** 731 |
| | **DOSE:** .1% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47797 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Cortex | Adrenal Gland - Medulla | Bone | Bone Marrow |
| Ear | Epididymis | Esophagus | Gallbladder |
| 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 | Pancreas |
| Parathyroid Gland | Pituitary Gland | Prostate | Salivary Glands |
| Seminal Vesicle | Skeletal Muscle | Spleen | Stomach - Forestomach |
| Stomach - Glandular | Testes | Thymus | Tongue |
| Trachea | Urinary Bladder | | |

**MISSING**

Mammary Gland

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Brain | Thalamus | Mineralization | Mild |
| Kidney | | Casts Protein | Minimal |
| | | Hyperplasia | Lymphoid, Minimal |
| | | Mineralization | Minimal |
| | Renal Tubule | Regeneration | Minimal |
| Lymph Node | Mesenteric | Hemorrhage | Mild |
| Nose | Mucosa | Atrophy | Mild |
| | Mucosa | Degeneration | Mild |
| | | Exudate | |
| | Glands | Hyperplasia | Cystic, Minimal |
| | Mucosa | Pigmentation | Minimal |
| Preputial Gland | | Ectasia | Marked |
| | | Inflammation | Chronic, Mild |
| Note: [ ECTASIA ] TGLs = 1-21 | | | |
| Skin | Subcut Tiss | Fibrous Histiocytoma | |
| Note: [ FIB HISTIOCYT ] TGLs = 2-21 | | | |
| Thyroid Gland | | Degeneration | Cystic, Minimal |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 151 | **TRT#:** 5 | **SEX:** Male | **DAY ON TEST:** 731 |
| | **DOSE:** .1% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47797 |

**ORGAN AND ACCOUNTABLE SITE STATUS**

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 152 | **TRT#:** 5 | **SEX:** Male | **DAY ON TEST:** 457 |
| | **DOSE:** .1% | **DISP:** Scheduled Sacrifice | **HISTO:** 87-45137 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Cortex | Adrenal Gland - Medulla | Bone | Bone Marrow |
| Epididymis | Esophagus | Gallbladder | 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 | Pancreas |
| Parathyroid Gland | Pituitary Gland | Prostate | Salivary Glands |
| Seminal Vesicle | Skeletal Muscle | Skin | Spleen |
| Stomach - Forestomach | Stomach - Glandular | Testes | Thymus |
| Thyroid Gland | Tongue | Trachea | Urinary Bladder |

**MISSING**

Mammary Gland

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Brain | Thalamus | Mineralization | Mild |
| Kidney | Renal Tubule | Regeneration | Minimal |
| Nose | Mucosa | Atrophy | Moderate |
| | Mucosa | Degeneration | Moderate |
| | Mucosa | Pigmentation | Mild |
| Preputial Gland | | Ectasia | Moderate |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 153 | **TRT#:** 5 | **SEX:** Male | **DAY ON TEST:** 731 |
| | **DOSE:** .1% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47798 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Medulla | Bone | Bone Marrow | Epididymis |
| Esophagus | Gallbladder | 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 | Pancreas | Parathyroid Gland | Pituitary Gland |
| Prostate | Salivary Glands | Seminal Vesicle | Skeletal Muscle |
| Skin | Spleen | Stomach - Forestomach | Stomach - Glandular |
| Testes | Thyroid Gland | Tongue | Trachea |
| Urinary Bladder | | | |

**MISSING**

| | |
|---|---|
| Mammary Gland | Thymus |

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Adrenal Gland | Cortex | Accessory Adrenal Cortical Nodule | |
| | Cortex | Hypertrophy | Focal, Minimal |
| Brain | Thalamus | Mineralization | Minimal |
| Kidney | | Mineralization | Mild |
| | Renal Tubule | Regeneration | Mild |
| Lung | | Infiltration Cellular | Histiocyte, Minimal |
| Nose | Mucosa | Atrophy | Mild |
| | Mucosa | Degeneration | Mild |
| | | Exudate | |
| | Glands | Hyperplasia | Cystic, Moderate |
| | Mucosa | Pigmentation | Minimal |
| Preputial Gland | | Ectasia | Marked |
| Note: [ ECTASIA ] TGLs = 1-8 | | | |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 154 | **TRT#:** 5 | **SEX:** Male | **DAY ON TEST:** 618 |
| | **DOSE:** .1% | **DISP:** Moribund Sacrifice | **HISTO:** 88-45983 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Cortex | Adrenal Gland - Medulla | Bone | Esophagus |
| Heart | Intestine Large - Cecum | Intestine Large - Colon | Intestine Large - Rectum |
| Intestine Small - Duodenum | Intestine Small - Ileum | Intestine Small - Jejunum | Parathyroid Gland |
| Pituitary Gland | Seminal Vesicle | Skin | Testes |
| Thyroid Gland | Tongue | Trachea | |

**MISSING**

Mammary Gland

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Bone Marrow | | Hypercellularity | Mild |
| Brain | Thalamus | Mineralization | Mild |
| Epididymis | | Lymphoma Malignant Mixed | |
| Gallbladder | | Lymphoma Malignant Mixed | |
| Islets, Pancreatic | | Lymphoma Malignant Mixed | |
| Kidney | | Casts Protein | Mild |
| | | Lymphoma Malignant Mixed | |
| Note: [ LYMPH MAL MIXD ] TGLs = 12-5,13-5 | | | |
| Liver | | Hepatocellular Carcinoma | Multiple, Two |
| | | Lymphoma Malignant Mixed | |
| Note: [ HEPATOCLR CARC ] TGLs = 16-23,17-25 | | | |
| Note: [ LYMPH MAL MIXD ] TGLs = 14-6,15-6,18-6 | | | |
| Lung | Alveolar Epith | Hyperplasia | Mild |
| | | Infiltration Cellular | Histiocyte, Minimal |
| | | Lymphoma Malignant Mixed | |
| Lymph Node | Axillary | Lymphoma Malignant Mixed | |
| | Iliac | Lymphoma Malignant Mixed | |
| | Mandibular | Lymphoma Malignant Mixed | |
| | Mediastinal | Lymphoma Malignant Mixed | |
| | Mesenteric | Lymphoma Malignant Mixed | |
| | Renal | Lymphoma Malignant Mixed | |
| Note: [ LYMPH MAL MIXD ] TGLs = 6-8 | | | |

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 154 | **TRT#:** 5 | **SEX:** Male | **DAY ON TEST:** 618 |
| | **DOSE:** .1% | **DISP:** Moribund Sacrifice | **HISTO:** 88-45983 |

**ORGAN AND ACCOUNTABLE SITE STATUS**

| | | | |
|---|---|---|---|
| Note: [ LYMPH MAL MIXD ] TGLs = 9-22 | | | |
| Note: [ LYMPH MAL MIXD ] TGLs = 10-24 | | | |
| Note: [ LYMPH MAL MIXD ] TGLs = 19-2 | | | |
| Note: [ LYMPH MAL MIXD ] TGLs = 7-5 | | | |
| [ Lymphoma Malignant Mixed TGLS = 8-21 ] | | | |
| Nose | Mucosa | Atrophy | Mild |
| | Mucosa | Degeneration | Mild |
| | | Exudate | |
| | Glands | Hyperplasia | Cystic, Minimal |
| | Mucosa | Pigmentation | Mild |
| Pancreas | | Lymphoma Malignant Mixed | |
| Note: [ LYMPH MAL MIXD ] TGLs = 11-7 | | | |
| Preputial Gland | | Ectasia | Moderate |
| | | Inflammation | Chronic, Mild |
| Note: [ ECTASIA ] TGLs = 1-8,2-8 | | | |
| Prostate | | Lymphoma Malignant Mixed | |
| Note: [ LYMPH MAL MIXD ] TGLs = 4-7 | | | |
| Salivary Glands | | Lymphoma Malignant Mixed | |
| Skeletal Muscle | | Lymphoma Malignant Mixed | |
| Note: [ LYMPH MAL MIXD ] TGLs = 20-26 | | | |
| Spleen | | Hematopoietic Cell Proliferation | Moderate |
| | | Lymphoma Malignant Mixed | |
| Note: [ HEMA CELL PROL ] TGLs = 5-6 | | | |
| Note: [ LYMPH MAL MIXD ] TGLs = 5-6 | | | |
| Stomach | Glandular | Cyst | |
| | Forestomach | Lymphoma Malignant Mixed | |
| Thymus | | Lymphoma Malignant Mixed | |
| Urinary Bladder | | Lymphoma Malignant Mixed | |
| PRIMARY CAUSE OF DEATH | - | | |

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 155 | **TRT#:** 5 | **SEX:** Male | **DAY ON TEST:** 457 |
| | **DOSE:** .1% | **DISP:** Scheduled Sacrifice | **HISTO:** 87-45138 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Medulla | Bone | Bone Marrow | Epididymis |
| Esophagus | Gallbladder | 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 |
| Prostate | Salivary Glands | Seminal Vesicle | Skeletal Muscle |
| Skin | Spleen | Stomach - Forestomach | Stomach - Glandular |
| Testes | Thymus | Thyroid Gland | Tongue |
| Trachea | Urinary Bladder | | |

**MISSING**

Mammary Gland

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Adrenal Gland | Cortex | Hyperplasia | Focal, Minimal |
| Brain | Thalamus | Mineralization | Mild |
| Kidney | | Cyst | |
| | Renal Tubule | Regeneration | Minimal |
| Liver | | Clear Cell Focus | |
| | | Hepatocellular Adenoma | |
| Note: HEPATOCLR ADEN TGLs = 1-6,1-21 | | | |
| Note: CLEAR CL FOCUS TGLs = 2-22 | | | |
| Nose | Mucosa | Atrophy | Mild |
| | Mucosa | Degeneration | Mild |
| | Mucosa | Pigmentation | Mild |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 156 | **TRT#:** 5 | **SEX:** Male | **DAY ON TEST:** 731 |
| | **DOSE:** .1% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47799 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Cortex | Adrenal Gland - Medulla | Bone | Bone Marrow |
| Epididymis | Esophagus | Gallbladder | Intestine Large - Cecum |
| Intestine Large - Colon | Intestine Large - Rectum | Intestine Small - Duodenum | Intestine Small - Ileum |
| Intestine Small - Jejunum | Lung | Lymph Node - Mandibular | Pancreas |
| Parathyroid Gland | Pituitary Gland | Prostate | Salivary Glands |
| Seminal Vesicle | Skeletal Muscle | Skin | Spleen |
| Stomach - Forestomach | Stomach - Glandular | Testes | Thymus |
| Tongue | Trachea | Urinary Bladder | |

**MISSING**

Mammary Gland

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Brain | Thalamus | Mineralization | Moderate |
| Heart | | Hemangiosarcoma | |
| Note: HEMANGIOSARC IS ON SLIDE 2; INVOLVES ATRIA | | | |
| Islets, Pancreatic | | Hyperplasia | Mild |
| Kidney | | Cyst | |
| | | Mineralization | Minimal |
| | Renal Tubule | Regeneration | Minimal |
| Liver | | Hepatocellular Adenoma | |
| Note: [ HEPATOCLR ADEN ] TGLs = 2-21 | | | |
| Lymph Node | Mesenteric | Hemorrhage | Moderate |
| Nose | Mucosa | Atrophy | Moderate |
| | Mucosa | Degeneration | Moderate |
| | | Exudate | |
| | Glands | Hyperplasia | Cystic, Minimal |
| | Mucosa | Pigmentation | Mild |
| Preputial Gland | | Ectasia | Moderate |
| | | Inflammation | Chronic, Mild |
| Note: [ ECTASIA ] TGLs = 1-8 | | | |
| Thyroid Gland | Follicle | Cyst | |

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 156 | **TRT#:** 5 | **SEX:** Male | **DAY ON TEST:** 731 |
| | **DOSE:** .1% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47799 |

**ORGAN AND ACCOUNTABLE SITE STATUS**

| | |
|---|---|
| PRIMARY CAUSE OF DEATH | - |

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 157 | **TRT#:** 5 | **SEX:** Male | **DAY ON TEST:** 731 |
| | **DOSE:** .1% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47800 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Cortex | Adrenal Gland - Medulla | Bone | Bone Marrow |
| Epididymis | Esophagus | Gallbladder | 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 |
| Prostate | Seminal Vesicle | Skeletal Muscle | Skin |
| Stomach - Glandular | Testes | Tongue | Trachea |

**MISSING**

Mammary Gland

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Brain | Thalamus | Mineralization | Mild |
| Kidney | | Casts Protein | Minimal |
| | | Mineralization | Minimal |
| | Renal Tubule | Regeneration | Moderate |
| Liver | | Hepatocellular Carcinoma | Five, Multiple |
| Note: [ HEPATOCLR CARC ] TGLs = 3-22,4-23,5-24,6-25,7-26 | | | |
| Lung | | Infiltration Cellular | Histiocyte, Mild |
| Mesentery | Fat | Necrosis | Moderate |
| Note: [ NECROSIS ] TGLs = 2-21 | | | |
| Nose | Mucosa | Atrophy | Moderate |
| | Mucosa | Degeneration | Moderate |
| | | Exudate | |
| | Glands | Hyperplasia | Cystic, Minimal |
| | Mucosa | Pigmentation | Minimal |
| Preputial Gland | | Ectasia | Moderate |
| Note: [ ECTASIA ] TGLs = 1-8 | | | |
| Salivary Glands | | Hyperplasia | Lymphoid, Mild |
| Spleen | | Hematopoietic Cell Proliferation | Mild |
| Stomach | Forestomach, Mucosa | Hyperplasia | Moderate |
| | Forestomach | Inflammation | Subacute, Mild |

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 157 | **TRT#:** 5 | **SEX:** Male | **DAY ON TEST:** 731 |
| | **DOSE:** .1% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47800 |

**ORGAN AND ACCOUNTABLE SITE STATUS**

Note: [ HYPERPLASIA ] TGLs = 8-4-1

| | | |
|---|---|---|
| Thymus | Depletion Cellular | Moderate |
| Thyroid Gland | Degeneration | Cystic, Minimal |
| Urinary Bladder | Hyperplasia | Lymphoid, Minimal |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 158 | **TRT#:** 5 | **SEX:** Male | **DAY ON TEST:** 731 |
| | **DOSE:** .1% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47801 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Medulla | Bone | Bone Marrow | Brain |
| Epididymis | Esophagus | Gallbladder | Heart |
| Intestine Large - Cecum | Intestine Large - Colon | Intestine Large - Rectum | Intestine Small - Duodenum |
| Intestine Small - Ileum | Intestine Small - Jejunum | Islets, Pancreatic | Kidney |
| Liver | Lung | Lymph Node - Mandibular | Pancreas |
| Parathyroid Gland | Pituitary Gland | Preputial Gland | Prostate |
| Salivary Glands | Seminal Vesicle | Skeletal Muscle | Spleen |
| Stomach - Forestomach | Stomach - Glandular | Testes | Thymus |
| Thyroid Gland | Tongue | Trachea | Urinary Bladder |

**MISSING**

Mammary Gland

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Adrenal Gland | Cortex | Hypertrophy | Focal, Minimal |
| Lymph Node | Mesenteric | Hematopoietic Cell Proliferation | Minimal |
| | Mesenteric | Hemorrhage | Mild |
| [ Hematopoietic Cell Proliferation TGLS = 4-5 ] | | | |
| [ Hemorrhage TGLS = 4-5 ] | | | |
| Nose | Mucosa | Atrophy | Moderate |
| | Mucosa | Degeneration | Moderate |
| | | Exudate | |
| | Glands | Hyperplasia | Cystic, Mild |
| | Mucosa | Pigmentation | Minimal |
| Skin | | Inflammation | Chronic, Minimal |
| Note: [ INFLAMMATION ] TGLs = 1-21 | | | |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 159 | **TRT#:** 5 | **SEX:** Male | **DAY ON TEST:** 458 |
| | **DOSE:** .1% | **DISP:** Scheduled Sacrifice | **HISTO:** 87-45174 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Medulla | Bone | Bone Marrow | Epididymis |
| Esophagus | Gallbladder | 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 | Pancreas | Parathyroid Gland |
| Pituitary Gland | Preputial Gland | Prostate | Salivary Glands |
| Seminal Vesicle | Skeletal Muscle | Skin | Spleen |
| Stomach - Forestomach | Stomach - Glandular | Testes | Thymus |
| Thyroid Gland | Tongue | Trachea | Urinary Bladder |

**MISSING**

Mammary Gland

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Adrenal Gland | Capsule, Cortex | Hyperplasia | Mild |
| Brain | Thalamus | Mineralization | Mild |
| Liver | | Clear Cell Focus | |
| Note: CLEAR CL FOCUS TGLs = 1-21 | | | |
| Nose | Mucosa | Atrophy | Mild |
| | Mucosa | Degeneration | Mild |
| | Mucosa | Pigmentation | Minimal |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 160 | **TRT#:** 5 | **SEX:** Male | **DAY ON TEST:** 731 |
| | **DOSE:** .1% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47802 |

**ORGAN AND ACCOUNTABLE SITE STATUS**

| | | | |
|---|---|---|---|
| **NORMAL** | | | |
| Adrenal Gland - Cortex | Adrenal Gland - Medulla | Bone | Bone Marrow |
| Epididymis | Esophagus | Gallbladder | Heart |
| Intestine Large - Cecum | Intestine Large - Colon | Intestine Large - Rectum | Intestine Small - Duodenum |
| Intestine Small - Ileum | Intestine Small - Jejunum | Lymph Node - Mandibular | Lymph Node - Mesenteric |
| Pancreas | Parathyroid Gland | Pituitary Gland | Prostate |
| Salivary Glands | Seminal Vesicle | Skeletal Muscle | Skin |
| Spleen | Stomach - Forestomach | Stomach - Glandular | Testes |
| Thymus | Thyroid Gland | Tongue | Trachea |
| Urinary Bladder | | | |
| **MISSING** | | | |
| Mammary Gland | | | |
| **OBSERVATIONS** | | | |
| Brain | Thalamus | Mineralization | Moderate |
| Islets, Pancreatic | | Hyperplasia | Mild |
| Kidney | | Hyperplasia | Lymphoid, Minimal |
| | | Mineralization | Mild |
| | Renal Tubule | Regeneration | Minimal |
| Liver | | Hepatocellular Adenoma | |
| Lung | Alveolar Epith | Hyperplasia | Minimal |
| Nose | Mucosa | Atrophy | Mild |
| | Mucosa | Degeneration | Mild |
| | | Exudate | |
| | Glands | Hyperplasia | Cystic, Minimal |
| | Mucosa | Pigmentation | Minimal |
| PRIMARY CAUSE OF DEATH | - | | |

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 161 | **TRT#:** 5 | **SEX:** Male | **DAY ON TEST:** 731 |
| | **DOSE:** .1% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47803 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Medulla | Bone | Epididymis | Esophagus |
| Gallbladder | Heart | Intestine Large - Cecum | Intestine Large - Colon |
| Intestine Large - Rectum | Intestine Small - Duodenum | Intestine Small - Ileum | Islets, Pancreatic |
| Liver | Lung | Lymph Node - Mandibular | Pancreas |
| Parathyroid Gland | Pituitary Gland | Prostate | Seminal Vesicle |
| Skeletal Muscle | Stomach - Forestomach | Stomach - Glandular | Testes |
| Thymus | Tongue | Trachea | Urinary Bladder |

**MISSING**

Mammary Gland

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Adrenal Gland | Cortex | Accessory Adrenal Cortical Nodule | |
| Bone Marrow | | Hypercellularity | Mild |
| Note: PART OF CELLULAR PROLIF. RESEMBLES PLASMA CELLS | | | |
| Brain | Thalamus | Mineralization | Mild |
| Intestine Small | Jejunum | Carcinoma | |
| Note: [ CARCINOMA ] TGLs = 3-21 | | | |
| Kidney | | Mineralization | Minimal |
| Lymph Node | Mesenteric | Ectasia | Mild |
| | Mesenteric | Hematopoietic Cell Proliferation | Mild |
| | Mesenteric | Hemorrhage | Mild |
| Note: [ ECTASIA ] TGLs = 2-5 | | | |
| Note: [ HEMA CELL PROL ] TGLs = 2-5 | | | |
| Nose | Mucosa | Atrophy | Mild |
| | Mucosa | Degeneration | Mild |
| | | Exudate | |
| | Glands | Hyperplasia | Cystic, Minimal |
| | Mucosa | Pigmentation | Minimal |
| Salivary Glands | | Hyperplasia | Lymphoid, Minimal |
| Skin | Subcut Tiss | Hemangiosarcoma | |
| Note: [ HEMANGIOSARC ] TGLs = 4-22 | | | |

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 161 | **TRT#:** 5 | **SEX:** Male | **DAY ON TEST:** 731 |
| | **DOSE:** .1% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47803 |

**ORGAN AND ACCOUNTABLE SITE STATUS**

| | | |
|---|---|---|
| Spleen | Hematopoietic Cell Proliferation | Moderate |
| Note: [ HEMA CELL PROL ] TGLs = 1-6 | | |
| Thyroid Gland | Degeneration | Cystic, Minimal |
| PRIMARY CAUSE OF DEATH | - | |

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 162 | **TRT#:** 5 | **SEX:** Male | **DAY ON TEST:** 731 |
| | **DOSE:** .1% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47804 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Medulla | Bone | Bone Marrow | Epididymis |
| Esophagus | Gallbladder | 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 | Pancreas | Parathyroid Gland |
| Pituitary Gland | Prostate | Salivary Glands | Seminal Vesicle |
| Skeletal Muscle | Skin | Spleen | Stomach - Forestomach |
| Stomach - Glandular | Testes | Thymus | Tongue |
| Trachea | Urinary Bladder | | |

**MISSING**

Mammary Gland

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Adrenal Gland | Cortex | Hyperplasia | Focal, Minimal |
| Brain | Thalamus | Mineralization | Mild |
| Kidney | | Mineralization | Minimal |
| | Renal Tubule | Regeneration | Minimal |
| Nose | Mucosa | Atrophy | Mild |
| | Mucosa | Degeneration | Mild |
| | Glands | Hyperplasia | Cystic, Minimal |
| | Mucosa | Pigmentation | Minimal |
| Preputial Gland | | Ectasia | Marked |
| | | Inflammation | Chronic, Mild |
| Note: [ ECTASIA ] TGLs = 1-8 | | | |
| Thyroid Gland | Follicular Cel | Adenoma | |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 163 | **TRT#:** 5 | **SEX:** Male | **DAY ON TEST:** 731 |
| | **DOSE:** .1% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47805 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Cortex | Adrenal Gland - Medulla | Bone | Bone Marrow |
| Epididymis | Esophagus | Gallbladder | 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 | Pancreas | Pituitary Gland | Prostate |
| Seminal Vesicle | Skeletal Muscle | Skin | Spleen |
| Stomach - Forestomach | Stomach - Glandular | Testes | Thyroid Gland |
| Tongue | Trachea | Urinary Bladder | |

**MISSING**

Mammary Gland

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Blood Vessel | | Inflammation | Chronic Active, Mild |
| Note: INFLAMMATION IS ON SLIDE 5 ADJACENT TO KIDNEY | | | |
| Brain | Thalamus | Mineralization | Mild |
| Kidney | | Mineralization | Minimal |
| | Renal Tubule | Regeneration | Minimal |
| Liver | | Hepatocellular Carcinoma | |
| Note: [ HEPATOCLR CARC ] TGLs = 2-21 | | | |
| Lymph Node | Mesenteric | Hemorrhage | Moderate |
| Note: [ HEMORRHAGE ] TGLs = 3-5 | | | |
| Nose | Mucosa | Atrophy | Mild |
| | Mucosa | Degeneration | Mild |
| | | Exudate | |
| | Glands | Hyperplasia | Cystic, Minimal |
| | Mucosa | Pigmentation | Minimal |
| Parathyroid Gland | | Cyst | |
| Preputial Gland | | Ectasia | Moderate |
| Note: [ ECTASIA ] TGLs = 1-8 | | | |
| Salivary Glands | | Hyperplasia | Lymphoid, Minimal |
| Thymus | | Cyst | |

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 163 | **TRT#:** 5 | **SEX:** Male | **DAY ON TEST:** 731 |
| | **DOSE:** .1% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47805 |

**ORGAN AND ACCOUNTABLE SITE STATUS**

| | |
|---|---|
| PRIMARY CAUSE OF DEATH | - |

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 164 | **TRT#:** 5 | **SEX:** Male | **DAY ON TEST:** 731 |
| | **DOSE:** .1% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47806 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Medulla | Bone | Bone Marrow | Epididymis |
| Esophagus | Gallbladder | Heart | Intestine Large - Cecum |
| Intestine Large - Colon | Intestine Large - Rectum | Intestine Small - Duodenum | Intestine Small - Ileum |
| Intestine Small - Jejunum | Liver | Lung | Lymph Node - Mandibular |
| Lymph Node - Mesenteric | Pancreas | Parathyroid Gland | Prostate |
| Salivary Glands | Seminal Vesicle | Skeletal Muscle | Skin |
| Spleen | Stomach - Forestomach | Stomach - Glandular | Testes |
| Thymus | Thyroid Gland | Tongue | Trachea |
| Urinary Bladder | | | |

**MISSING**

Mammary Gland

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Adrenal Gland | Capsule, Cortex | Hyperplasia | Moderate |
| | Cortex | Hypertrophy | Focal, Minimal |
| Brain | Thalamus | Mineralization | Mild |
| Islets, Pancreatic | | Hyperplasia | Mild |
| Kidney | | Cyst | |
| | | Mineralization | Mild |
| | Renal Tubule | Regeneration | Mild |
| Nose | Mucosa | Atrophy | Mild |
| | Mucosa | Degeneration | Mild |
| | | Exudate | |
| | Glands | Hyperplasia | Cystic, Mild |
| | Mucosa | Pigmentation | Minimal |
| Pituitary Gland | Pars Distalis | Cyst | |
| Preputial Gland | | Ectasia | Moderate |
| | | Inflammation | Chronic, Mild |

Note: [ ECTASIA ] TGLs = 1-8

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 165 | **TRT#:** 5 | **SEX:** Male | **DAY ON TEST:** 458 |
| | **DOSE:** .1% | **DISP:** Scheduled Sacrifice | **HISTO:** 87-45175 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Medulla | Bone | Bone Marrow | Epididymis |
| Esophagus | Gallbladder | 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 | Pancreas | Parathyroid Gland |
| Pituitary Gland | Prostate | Salivary Glands | Seminal Vesicle |
| Skeletal Muscle | Skin | Spleen | Stomach - Forestomach |
| Stomach - Glandular | Testes | Thymus | Thyroid Gland |
| Tongue | Trachea | Urinary Bladder | |

**MISSING**

Mammary Gland

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Adrenal Gland | Cortex | Accessory Adrenal Cortical Nodule | |
| Brain | Thalamus | Mineralization | Mild |
| Kidney | | Hyperplasia | Lymphoid, Minimal |
| Nose | Mucosa | Atrophy | Minimal |
| | Mucosa | Degeneration | Minimal |
| | Mucosa | Pigmentation | Minimal |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 166 | **TRT#:** 5 | **SEX:** Male | **DAY ON TEST:** 731 |
| | **DOSE:** .1% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47807 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Medulla | Bone | Bone Marrow | Epididymis |
| Esophagus | Gallbladder | 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 |
| Prostate | Salivary Glands | Seminal Vesicle | Skeletal Muscle |
| Skin | Stomach - Forestomach | Stomach - Glandular | Testes |
| Thyroid Gland | Tongue | Trachea | Urinary Bladder |

**MISSING**

Mammary Gland

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Adrenal Gland | Capsule, Cortex | Hyperplasia | Minimal |
| | Cortex | Hypertrophy | Focal, Minimal |
| Brain | Thalamus | Mineralization | Mild |
| Kidney | | Hyperplasia | Lymphoid, Minimal |
| | | Mineralization | Mild |
| | Renal Tubule | Regeneration | Mild |
| Liver | | Clear Cell Focus | |
| Nose | Mucosa | Atrophy | Minimal |
| | Mucosa | Degeneration | Minimal |
| | Mucosa | Pigmentation | Minimal |
| Preputial Gland | | Ectasia | Marked |
| | | Inflammation | Chronic, Mild |
| Note: [ ECTASIA ] TGLs = 1-8 | | | |
| Spleen | | Hemangiosarcoma | |
| Note: [ HEMANGIOSARC ] TGLs = 2-6 | | | |
| Thymus | | Cyst | |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 167 | **TRT#:** 5 | **SEX:** Male | **DAY ON TEST:** 731 |
| | **DOSE:** .1% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47808 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Cortex | Adrenal Gland - Medulla | Bone | Bone Marrow |
| Esophagus | Gallbladder | 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 |
| Pancreas | Prostate | Salivary Glands | Seminal Vesicle |
| Skeletal Muscle | Skin | Spleen | Stomach - Forestomach |
| Stomach - Glandular | Thymus | Tongue | Trachea |
| Urinary Bladder | | | |

**MISSING**

| | |
|---|---|
| Mammary Gland | Parathyroid Gland |

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Brain | Thalamus | Mineralization | Moderate |
| Epididymis | | Atypia Cellular | |
| Kidney | | Casts Protein | Minimal |
| | | Cyst | |
| | | Hyperplasia | Lymphoid, Minimal |
| | | Mineralization | Minimal |
| | Renal Tubule | Regeneration | Minimal |
| Lung | Alveolar Epith | Hyperplasia | Minimal |
| Note: [ HYPERPLASIA ] TGLs = 3-2-1 | | | |
| Lymph Node | Mesenteric | Hematopoietic Cell Proliferation | Minimal |
| | Mesenteric | Hemorrhage | Mild |
| Note: [ HEMORRHAGE ] TGLs = 4-5 | | | |
| Note: [ HEMA CELL PROL ] TGLs = 4-5 | | | |
| Nose | Mucosa | Atrophy | Mild |
| | Mucosa | Degeneration | Mild |
| | | Exudate | |
| | Glands | Hyperplasia | Cystic, Minimal |
| | Mucosa | Pigmentation | Minimal |
| Pituitary Gland | Pars Distalis | Cyst | |

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 167 | **TRT#:** 5 | **SEX:** Male | **DAY ON TEST:** 731 |
| | **DOSE:** .1% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47808 |

**ORGAN AND ACCOUNTABLE SITE STATUS**

| | | | |
|---|---|---|---|
| Preputial Gland | | Ectasia | Moderate |
| | | Inflammation | Chronic, Moderate |
| | | Inflammation | Suppurative, Moderate |
| Note: [ ECTASIA ] TGLs = 1-8 | | | |
| Testes | | Angiectasis | Moderate |
| | Seminif Tub | Atrophy | Mild |
| Note: [ ANGIECTASIS ] TGLs = 2-21 | | | |
| Thyroid Gland | Follicular Cel | Hyperplasia | Minimal |
| PRIMARY CAUSE OF DEATH | - | | |

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 168 | **TRT#:** 5 | **SEX:** Male | **DAY ON TEST:** 731 |
| | **DOSE:** .1% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47809 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Medulla | Bone | Bone Marrow | Epididymis |
| Esophagus | Gallbladder | 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 | Pituitary Gland | Prostate | Salivary Glands |
| Seminal Vesicle | Skeletal Muscle | Skin | Spleen |
| Stomach - Forestomach | Stomach - Glandular | Testes | Thymus |
| Thyroid Gland | Tongue | Trachea | Urinary Bladder |

**MISSING**

Mammary Gland

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Adrenal Gland | Cortex | Hypertrophy | Focal, Minimal |
| Brain | Thalamus | Mineralization | Mild |
| Eye | Cornea | Hyperplasia | Moderate |
| | | Inflammation | Chronic, Moderate |
| Note: [ HYPERPLASIA ] TGLs = 1-21 | | | |
| Note: [ INFLAMMATION ] TGLs = 1-21 | | | |
| Note: INFLAMMATION INVOLVES CORNEA | | | |
| Harderian Gland | | Adenoma | |
| Note: [ ADENOMA ] TGLs = 4-23 | | | |
| Kidney | | Cyst | |
| | | Mineralization | Minimal |
| | Renal Tubule | Regeneration | Minimal |
| Liver | | Clear Cell Focus | |
| | | Hepatocellular Adenoma | Multiple, Two |
| Note: [ HEPATOCLR ADEN ] TGLs = 3-22,5-24 | | | |
| Lung | | Alveolar/Bronchiolar Adenoma | |
| Lymph Node | Mandibular | Hyperplasia | Lymphoid, Moderate |
| Nose | Mucosa | Atrophy | Mild |
| | Mucosa | Degeneration | Mild |

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 168 | **TRT#:** 5 | **SEX:** Male | **DAY ON TEST:** 731 |
| | **DOSE:** .1% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47809 |

**ORGAN AND ACCOUNTABLE SITE STATUS**

| | | | |
|---|---|---|---|
| | | Exudate | |
| | Glands | Hyperplasia | Cystic, Minimal |
| | Mucosa | Pigmentation | Minimal |
| Preputial Gland | | Ectasia | Moderate |
| Note: [ ECTASIA ] TGLs = 2-8 | | | |

| | |
|---|---|
| PRIMARY CAUSE OF DEATH | - |

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 169 | **TRT#:** 5 | **SEX:** Male | **DAY ON TEST:** 731 |
| | **DOSE:** .1% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47810 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Medulla | Bone | Bone Marrow | Epididymis |
| Esophagus | Gallbladder | 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 | Pancreas | Parathyroid Gland |
| Pituitary Gland | Prostate | Salivary Glands | Seminal Vesicle |
| Skeletal Muscle | Skin | Spleen | Stomach - Forestomach |
| Stomach - Glandular | Testes | Thyroid Gland | Tongue |
| Trachea | Urinary Bladder | | |

**MISSING**

Mammary Gland

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Adrenal Gland | Cortex | Accessory Adrenal Cortical Nodule | |
| | Capsule, Cortex | Hyperplasia | Mild |
| Brain | Thalamus | Mineralization | Mild |
| Kidney | | Mineralization | Minimal |
| | Renal Tubule | Regeneration | Minimal |
| Nose | Mucosa | Atrophy | Mild |
| | Mucosa | Degeneration | Mild |
| | Glands | Hyperplasia | Cystic, Minimal |
| | Mucosa | Pigmentation | Minimal |
| Thymus | | Cyst | |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 170 | **TRT#:** 5 | **SEX:** Male | **DAY ON TEST:** 731 |
| | **DOSE:** .1% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47811 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Medulla | Bone | Bone Marrow | Epididymis |
| Esophagus | Gallbladder | Heart | Intestine Large - Cecum |
| Intestine Large - Colon | Intestine Large - Rectum | Intestine Small - Duodenum | Intestine Small - Ileum |
| Intestine Small - Jejunum | Islets, Pancreatic | Lymph Node - Mandibular | Pancreas |
| Parathyroid Gland | Pituitary Gland | Prostate | Salivary Glands |
| Seminal Vesicle | Skeletal Muscle | Skin | Stomach - Forestomach |
| Testes | Thymus | Thyroid Gland | Tongue |
| Trachea | Urinary Bladder | | |

**MISSING**

Mammary Gland

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Adrenal Gland | Cortex | Hypertrophy | Focal, Mild |
| Brain | Thalamus | Mineralization | Mild |
| Kidney | | Casts Protein | Minimal |
| | Renal Tubule | Dilatation | Minimal |
| | Renal Tubule | Regeneration | Minimal |
| Liver | | Hepatocellular Carcinoma | |
| Note: PORTION OF HEPATOCLR CARC ON SLIDE 6 | | | |
| Note: [ HEPATOCLR CARC ] TGLs = 2-21 | | | |
| Lung | | Alveolar/Bronchiolar Carcinoma | |
| | | Infiltration Cellular | Histiocyte, Marked |
| Note: [ ALV BRON CARC ] TGLs = 3-2 | | | |
| Lymph Node | Mesenteric | Hematopoietic Cell Proliferation | Mild |
| | Mesenteric | Hemorrhage | Minimal |
| Nose | Mucosa | Atrophy | Mild |
| | Mucosa | Degeneration | Mild |
| | | Exudate | |
| | Glands | Hyperplasia | Cystic, Minimal |
| | Mucosa | Pigmentation | Mild |
| Preputial Gland | | Ectasia | Moderate |

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 170 | **TRT#:** 5 | **SEX:** Male | **DAY ON TEST:** 731 |
| | **DOSE:** .1% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47811 |

**ORGAN AND ACCOUNTABLE SITE STATUS**

| | | | |
|---|---|---|---|
| | | Inflammation | Chronic, Mild |
| Note: [ ECTASIA ] TGLs = 1-8 | | | |
| Spleen | | Hematopoietic Cell Proliferation | Minimal |
| Stomach | Glandular | Cyst | |
| PRIMARY CAUSE OF DEATH | - | | |

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 171 | **TRT#:** 5 | **SEX:** Male | **DAY ON TEST:** 731 |
| | **DOSE:** .1% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47812 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Medulla | Bone Marrow | Esophagus | Gallbladder |
| 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 | Pancreas | Parathyroid Gland |
| Pituitary Gland | Prostate | Seminal Vesicle | Skin |
| Spleen | Stomach - Glandular | Tongue | Trachea |
| Urinary Bladder | | | |

**MISSING**

Mammary Gland

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Adrenal Gland | Cortex | Hypertrophy | Focal, Minimal |
| Bone | | Hyperostosis | Mild |
| Note: [ HYPEROSTOSIS ] TGLs = 4-22 | | | |
| Brain | Thalamus | Mineralization | Mild |
| Epididymis | | Hypospermia | Moderate |
| Kidney | | Casts Protein | Minimal |
| | | Hyperplasia | Lymphoid, Minimal |
| | | Mineralization | Minimal |
| | Renal Tubule | Regeneration | Minimal |
| Liver | | Hepatocellular Carcinoma | |
| Note: [ HEPATOCLR CARC ] TGLs = 3-21 | | | |
| Lymph Node | Mesenteric | Hemorrhage | Moderate |
| | Mesenteric | Hyperplasia | Lymphoid, Mild |
| Note: [ HYPERPLASIA ] TGLs = 2-5 | | | |
| Note: [ HEMORRHAGE ] TGLs = 2-5 | | | |
| Nose | Mucosa | Atrophy | Moderate |
| | Mucosa | Degeneration | Moderate |
| | | Exudate | |
| | Glands | Hyperplasia | Cystic, Mild |
| | Mucosa | Pigmentation | Minimal |

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 171 | **TRT#:** 5 | **SEX:** Male | **DAY ON TEST:** 731 |
| | **DOSE:** .1% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47812 |

**ORGAN AND ACCOUNTABLE SITE STATUS**

| | | | |
|---|---|---|---|
| Salivary Glands | | Hyperplasia | Lymphoid, Minimal |
| Skeletal Muscle | | Inflammation | Chronic, Mild |
| Stomach | Forestomach, Mucosa | Hyperplasia | Mild |
| Note: [ HYPERPLASIA ] TGLs = 5-23 | | | |
| Testes | Seminif Tub | Atrophy | Mild |
| Note: SOME ATROPHIED TUBULES CONTAIN MINERAL; NOT CODED | | | |
| Thymus | | Cyst | |
| Thyroid Gland | | Degeneration | Cystic, Minimal |
| PRIMARY CAUSE OF DEATH | - | | |

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 172 | **TRT#:** 5 | **SEX:** Male | **DAY ON TEST:** 711 |
| | **DOSE:** .1% | **DISP:** Natural Death | **HISTO:** 88-46925 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Cortex | Adrenal Gland - Medulla | Bone | Bone Marrow |
| Epididymis | Esophagus | Gallbladder | Heart |
| Intestine Large - Cecum | Intestine Large - Colon | Intestine Large - Rectum | Intestine Small - Duodenum |
| Intestine Small - Ileum | Intestine Small - Jejunum | Lung | Pancreas |
| Pituitary Gland | Prostate | Seminal Vesicle | Skeletal Muscle |
| Skin | Stomach - Glandular | Testes | Thyroid Gland |
| Tongue | Trachea | Urinary Bladder | |

**MISSING**

Mammary Gland

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Brain | Thalamus | Mineralization | Mild |
| Islets, Pancreatic | | Adenoma | |
| Note: [ ADENOMA ] TGLs = 1-7-1 | | | |
| Kidney | Renal Tubule | Atrophy | Minimal |
| | | Casts Protein | Minimal |
| Liver | | Hepatocellular Carcinoma | |
| Note: [ HEPATOCLR CARC ] TGLs = 2-21 | | | |
| Lymph Node | Mesenteric | Hemorrhage | Moderate |
| | Mandibular | Pigmentation | Moderate |
| Note: [ HEMORRHAGE ] TGLs = 3-5 | | | |
| Nose | Mucosa | Atrophy | Mild |
| | Mucosa | Degeneration | Mild |
| | | Exudate | |
| | Glands | Hyperplasia | Cystic, Minimal |
| | Mucosa | Pigmentation | Minimal |
| Parathyroid Gland | | Cyst | |
| Salivary Glands | | Hyperplasia | Lymphoid, Minimal |
| Spleen | Lymph Follic | Atrophy | Mild |
| Stomach | Forestomach, Mucosa | Hyperplasia | Moderate |
| | Forestomach | Inflammation | Subacute, Mild |

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 172 | **TRT#:** 5 | **SEX:** Male | **DAY ON TEST:** 711 |
| | **DOSE:** .1% | **DISP:** Natural Death | **HISTO:** 88-46925 |

**ORGAN AND ACCOUNTABLE SITE STATUS**

Note: [ HYPERPLASIA ] TGLs = 4-22
Note: [ INFLAMMATION ] TGLs = 4-22

| | | |
|---|---|---|
| Thymus | Depletion Cellular | Mild |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 173 | **TRT#:** 5 | **SEX:** Male | **DAY ON TEST:** 731 |
| | **DOSE:** .1% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47813 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Medulla | Bone | Bone Marrow | Epididymis |
| Esophagus | Gallbladder | 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 |
| Prostate | Salivary Glands | Seminal Vesicle | Skeletal Muscle |
| Skin | Spleen | Stomach - Forestomach | Stomach - Glandular |
| Testes | Thymus | Thyroid Gland | Tongue |
| Trachea | Urinary Bladder | | |

**MISSING**

Mammary Gland

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Adrenal Gland | Cortex | Hypertrophy | Focal, Minimal |
| Brain | Thalamus | Mineralization | Mild |
| Eye | Cornea | Hyperplasia | Mild |
| | | Inflammation | Chronic, Mild |
| Note: [ INFLAMMATION ] TGLs = 1-21 | | | |
| Note: [ HYPERPLASIA ] TGLs = 1-21 | | | |
| Harderian Gland | | Adenoma | |
| Note: [ ADENOMA ] TGLs = 4-23 | | | |
| Kidney | | Casts Protein | Minimal |
| | | Cyst | |
| | | Mineralization | Minimal |
| | Renal Tubule | Regeneration | Minimal |
| Liver | | Hepatocellular Carcinoma | |
| | | Mixed Cell Focus | |
| Note: [ HEPATOCLR CARC ] TGLs = 3-22 | | | |
| Nose | Mucosa | Atrophy | Mild |
| | Mucosa | Degeneration | Mild |
| | | Exudate | |

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 173 | **TRT#:** 5 | **SEX:** Male | **DAY ON TEST:** 731 |
| | **DOSE:** .1% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47813 |

**ORGAN AND ACCOUNTABLE SITE STATUS**

| | | | |
|---|---|---|---|
| | Glands | Hyperplasia | Cystic, Minimal |
| | Mucosa | Pigmentation | Mild |
| Preputial Gland | | Ectasia | Marked |
| Note: [ ECTASIA ] TGLs = 2-8 | | | |
| PRIMARY CAUSE OF DEATH | - | | |

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 174 | **TRT#:** 5 | **SEX:** Male | **DAY ON TEST:** 731 |
| | **DOSE:** .1% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47814 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Medulla | Bone | Brain | Epididymis |
| Esophagus | Gallbladder | 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 | Pancreas | Parathyroid Gland | Pituitary Gland |
| Prostate | Salivary Glands | Seminal Vesicle | Skin |
| Spleen | Stomach - Forestomach | Stomach - Glandular | Testes |
| Thymus | Thyroid Gland | Tongue | Trachea |
| Urinary Bladder | | | |

**MISSING**

Mammary Gland

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Adrenal Gland | Cortex | Accessory Adrenal Cortical Nodule | |
| | Cortex | Hypertrophy | Focal, Minimal |
| Bone Marrow | | Pigmentation | Hemosiderin, Moderate |
| Kidney | | Cyst | |
| | | Mineralization | Minimal |
| | Renal Tubule | Regeneration | Mild |
| Lymph Node | Mesenteric | Hematopoietic Cell Proliferation | Minimal |
| | Mesenteric | Hemorrhage | Minimal |
| Nose | Mucosa | Atrophy | Minimal |
| | Mucosa | Degeneration | Minimal |
| | | Exudate | |
| | Glands | Hyperplasia | Cystic, Minimal |
| | Mucosa | Pigmentation | Minimal |
| Skeletal Muscle | | Inflammation | Chronic, Minimal |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 175 | **TRT#:** 5 | **SEX:** Male | **DAY ON TEST:** 731 |
| | **DOSE:** .1% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47815 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Cortex | Adrenal Gland - Medulla | Bone | Bone Marrow |
| Epididymis | Esophagus | Gallbladder | 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 | Pancreas | Parathyroid Gland |
| Pituitary Gland | Prostate | Salivary Glands | Seminal Vesicle |
| Skeletal Muscle | Skin | Spleen | Stomach - Forestomach |
| Stomach - Glandular | Testes | Thyroid Gland | Tongue |
| Trachea | Urinary Bladder | | |

**MISSING**

Mammary Gland

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Brain | Thalamus | Mineralization | Moderate |
| Kidney | Renal Tubule | Atrophy | Mild |
| | | Mineralization | Minimal |
| | Renal Tubule | Regeneration | Mild |
| Lymph Node | Mesenteric | Hemorrhage | Mild |
| Note: [ HEMORRHAGE ] TGLs = 2-5 | | | |
| Nose | Mucosa | Atrophy | Mild |
| | Mucosa | Degeneration | Mild |
| | | Exudate | |
| | Glands | Hyperplasia | Cystic, Minimal |
| | Mucosa | Pigmentation | Minimal |
| Preputial Gland | | Ectasia | Marked |
| Note: [ ECTASIA ] TGLs = 1-8 | | | |
| Thymus | | Cyst | |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 176 | **TRT#:** 5 | **SEX:** Male | **DAY ON TEST:** 458 |
| | **DOSE:** .1% | **DISP:** Scheduled Sacrifice | **HISTO:** 87-45176 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Medulla | Bone | Bone Marrow | Epididymis |
| Gallbladder | Heart | Intestine Large - Cecum | Intestine Large - Colon |
| Intestine Large - Rectum | Intestine Small - Duodenum | Intestine Small - Ileum | Intestine Small - Jejunum |
| Islets, Pancreatic | Kidney | Liver | Lung |
| Lymph Node - Mandibular | Lymph Node - Mesenteric | Pituitary Gland | Prostate |
| Salivary Glands | Seminal Vesicle | Skeletal Muscle | Skin |
| Spleen | Stomach - Forestomach | Stomach - Glandular | Testes |
| Thymus | Thyroid Gland | Tongue | Trachea |
| Urinary Bladder | | | |

**MISSING**

| | | |
|---|---|---|
| Esophagus | Mammary Gland | Parathyroid Gland |

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Adrenal Gland | Cortex | Hyperplasia | Diffuse, Mild |
| Brain | Thalamus | Mineralization | Mild |
| Nose | Mucosa | Atrophy | Mild |
| | Mucosa | Degeneration | Mild |
| | Mucosa | Pigmentation | Minimal |
| Pancreas | | Focal Cellular Change | |
| Preputial Gland | | Ectasia | Moderate |
| Note: ECTASIA TGLs = 1-8 | | | |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 177 | **TRT#:** 5 | **SEX:** Male | **DAY ON TEST:** 731 |
| | **DOSE:** .1% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47816 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Medulla | Bone | Bone Marrow | Epididymis |
| Esophagus | Heart | 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 | Pancreas |
| Parathyroid Gland | Pituitary Gland | Prostate | Salivary Glands |
| Seminal Vesicle | Skeletal Muscle | Skin | Spleen |
| Stomach - Forestomach | Stomach - Glandular | Testes | Thymus |
| Thyroid Gland | Tongue | Trachea | Urinary Bladder |

**MISSING**

| | |
|---|---|
| Gallbladder | Mammary Gland |

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Adrenal Gland | Cortex | Hyperplasia | Focal, Minimal |
| Brain | Thalamus | Mineralization | Mild |
| Islets, Pancreatic | | Adenoma | |
| Kidney | | Cyst | |
| | Renal Tubule | Regeneration | Minimal |
| Liver | | Hepatocellular Adenoma | |
| | | Hepatocellular Carcinoma | |
| Note: [ HEPATOCLR CARC ] TGLs = 3-22 | | | |
| Note: [ HEPATOCLR ADEN ] TGLs = 2-21 | | | |
| Nose | Mucosa | Atrophy | Minimal |
| | Mucosa | Degeneration | Minimal |
| | Glands | Hyperplasia | Cystic, Minimal |
| | Mucosa | Pigmentation | Minimal |
| Preputial Gland | | Ectasia | Marked |
| Note: [ ECTASIA ] TGLs = 1-8 | | | |

| | |
|---|---|
| PRIMARY CAUSE OF DEATH | - |

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 178 | **TRT#:** 5 | **SEX:** Male | **DAY ON TEST:** 731 |
| | **DOSE:** .1% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47817 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Medulla | Bone | Bone Marrow | Epididymis |
| Esophagus | Gallbladder | 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 |
| Pancreas | Parathyroid Gland | Prostate | Salivary Glands |
| Seminal Vesicle | Skeletal Muscle | Spleen | Stomach - Forestomach |
| Stomach - Glandular | Testes | Thyroid Gland | Tongue |
| Trachea | Urinary Bladder | | |

**MISSING**

| | |
|---|---|
| Mammary Gland | Pituitary Gland |

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Adrenal Gland | Cortex | Hypertrophy | Focal, Minimal |
| Brain | Thalamus | Mineralization | Minimal |
| Kidney | | Cyst | |
| | | Mineralization | Minimal |
| | Renal Tubule | Regeneration | Minimal |
| Liver | | Hepatocellular Adenoma | |
| Note: [ HEPATOCLR ADEN ] TGLs = 2-21 | | | |
| Lymph Node | Mesenteric | Hematopoietic Cell Proliferation | Mild |
| | Mesenteric | Hemorrhage | Moderate |
| Note: [ HEMA CELL PROL ] TGLs = 1-5 | | | |
| Note: [ HEMORRHAGE ] TGLs = 1-5 | | | |
| Nose | Mucosa | Atrophy | Minimal |
| | Mucosa | Degeneration | Minimal |
| | | Exudate | |
| | Glands | Hyperplasia | Cystic, Minimal |
| | Mucosa | Pigmentation | Minimal |
| Skin | | Inflammation | Chronic, Minimal |
| Thymus | | Cyst | |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 178 | **TRT#:** 5 | **SEX:** Male | **DAY ON TEST:** 731 |
| | **DOSE:** .1% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47817 |

**ORGAN AND ACCOUNTABLE SITE STATUS**

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 179 | **TRT#:** 5 | **SEX:** Male | **DAY ON TEST:** 731 |
| | **DOSE:** .1% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47818 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Medulla | Bone | Bone Marrow | Epididymis |
| Esophagus | Gallbladder | 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 | Pancreas | Parathyroid Gland |
| Pituitary Gland | Prostate | Salivary Glands | Seminal Vesicle |
| Skeletal Muscle | Skin | Spleen | Stomach - Forestomach |
| Stomach - Glandular | Testes | Thymus | Thyroid Gland |
| Tongue | Trachea | Urinary Bladder | |

**MISSING**

Mammary Gland

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Adrenal Gland | Cortex | Hypertrophy | Focal, Minimal |
| Brain | Thalamus | Mineralization | Mild |
| Kidney | | Mineralization | Minimal |
| | Renal Tubule | Regeneration | Minimal |
| Nose | Mucosa | Atrophy | Mild |
| | Mucosa | Degeneration | Mild |
| | | Exudate | |
| | Glands | Hyperplasia | Cystic, Minimal |
| | Mucosa | Pigmentation | Minimal |
| Preputial Gland | | Ectasia | Marked |
| | | Inflammation | Chronic, Mild |

Note: [ ECTASIA ] TGLs = 1-8

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 180 | **TRT#:** 5 | **SEX:** Male | **DAY ON TEST:** 731 |
| | **DOSE:** .1% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47819 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Cortex | Adrenal Gland - Medulla | Bone | Bone Marrow |
| Epididymis | Esophagus | Gallbladder | 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 | Prostate | Salivary Glands | Seminal Vesicle |
| Skeletal Muscle | Skin | Stomach - Glandular | Testes |
| Thymus | Thyroid Gland | Tongue | Trachea |
| Urinary Bladder | | | |

**MISSING**

Mammary Gland

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Brain | Thalamus | Mineralization | Minimal |
| Kidney | | Cyst | |
| | | Hyperplasia | Lymphoid, Minimal |
| Liver | | Hepatocellular Carcinoma | |
| Note: PORTION OF HEPATOCLR CARC IS ON SLIDE 6 | | | |
| Note: [ HEPATOCLR CARC ] TGLs = 1-21 | | | |
| Nose | Mucosa | Atrophy | Mild |
| | Mucosa | Degeneration | Mild |
| | | Exudate | |
| | Glands | Hyperplasia | Cystic, Minimal |
| | Mucosa | Pigmentation | Minimal |
| Spleen | Lymph Follic | Hyperplasia | Mild |
| Stomach | Forestomach, Mucosa | Hyperplasia | Moderate |
| | Forestomach | Inflammation | Subacute, Mild |
| Note: [ HYPERPLASIA ] TGLs = 2-4-1,3-22 | | | |
| [ Hyperplasia TGLS = 2-4-1 ] | | | |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 181 | **TRT#:** 7 | **SEX:** Male | **DAY ON TEST:** 730 |
| | **DOSE:** .3% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47150 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Medulla | Bone | Epididymis | Esophagus |
| Heart | Intestine Large - Cecum | Intestine Large - Colon | Intestine Large - Rectum |
| Intestine Small - Duodenum | Intestine Small - Jejunum | Islets, Pancreatic | Lymph Node - Mandibular |
| Pancreas | Parathyroid Gland | Pituitary Gland | Prostate |
| Salivary Glands | Seminal Vesicle | Skeletal Muscle | Skin |
| Stomach - Forestomach | Stomach - Glandular | Testes | Thyroid Gland |
| Tongue | Trachea | Urinary Bladder | |

**MISSING**

Mammary Gland

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Adrenal Gland | Cortex | Hypertrophy | Focal, Minimal |
| Bone Marrow | | Hypercellularity | Mild |
| Brain | Thalamus | Mineralization | Minimal |
| Gallbladder | Mucosa | Hyperplasia | Mild |
| | | Inflammation | Subacute, Minimal |
| Note: [ HYPERPLASIA ] TGLs = 5-6 | | | |
| Note: [ INFLAMMATION ] TGLs = 5-6 | | | |
| Intestine Small | Ileum | Hyperplasia | Lymphoid, Mild |
| Kidney | | Casts Protein | Minimal |
| | | Hyperplasia | Lymphoid, Minimal |
| | Renal Tubule | Pigmentation | Mild |
| | Renal Tubule | Regeneration | Mild |
| Note: [ PIGMENT ] TGLs = 7-5 | | | |
| Liver | | Hepatocellular Carcinoma | Multiple, Two |
| | Kupffer Cell | Hyperplasia | Moderate |
| | Kupffer Cell | Pigmentation | Marked |
| Note: [ HEPATOCLR CARC ] TGLs = 2-21,3-22 | | | |
| Lung | | Hepatocellular Carcinoma | Metastatic (Liver) |
| | | Infiltration Cellular | Histiocyte, Mild |
| Note: [ HEPATOCLR CARC ] TGLs = 4-2 | | | |

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 181 | **TRT#:** 7 | **SEX:** Male | **DAY ON TEST:** 730 |
| | **DOSE:** .3% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47150 |

**ORGAN AND ACCOUNTABLE SITE STATUS**

| | | | |
|---|---|---|---|
| Lymph Node | Mesenteric | Hemorrhage | Moderate |
| Nose | Mucosa | Atrophy | Moderate |
| | Mucosa | Degeneration | Moderate |
| | | Developmental Malformation | |
| | | Exudate | |
| | Glands | Hyperplasia | Cystic, Moderate |
| | Mucosa | Pigmentation | Mild |
| Preputial Gland | | Ectasia | Marked |
| Note: [ ECTASIA ] TGLs = 1-8 | | | |
| Spleen | | Hematopoietic Cell Proliferation | Moderate |
| Note: [ HEMA CELL PROL ] TGLs = 6-6 | | | |
| Thymus | | Depletion Cellular | Moderate |

PRIMARY CAUSE OF DEATH -

Animal Note: FOCUS OF UNIDENTIFIED BASOPHILIC CELLS IN PERI-ADRENAL FAT

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 182 | **TRT#:** 7 | **SEX:** Male | **DAY ON TEST:** 730 |
| | **DOSE:** .3% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47151 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Medulla | Bone | Brain | Esophagus |
| Gallbladder | Intestine Large - Cecum | Intestine Large - Colon | Intestine Small - Duodenum |
| Intestine Small - Ileum | Intestine Small - Jejunum | Islets, Pancreatic | Lymph Node - Mesenteric |
| Parathyroid Gland | Pituitary Gland | Skin | Stomach - Forestomach |
| Testes | Tongue | Trachea | |

**MISSING**

Mammary Gland

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Adrenal Gland | Cortex | Hypertrophy | Focal, Moderate |
| Bone Marrow | | Hypercellularity | Mild |
| Epididymis | | Lymphoma Malignant Lymphocytic | |
| Harderian Gland | | Adenoma | |
| Heart | | Lymphoma Malignant Lymphocytic | |
| Intestine Large | Rectum | Lymphoma Malignant Lymphocytic | |
| Kidney | | Lymphoma Malignant Lymphocytic | |
| | Renal Tubule | Regeneration | Minimal |
| Liver | | Lymphoma Malignant Lymphocytic | |
| Lung | | Lymphoma Malignant Lymphocytic | |
| Note: [ LYMPH MAL LYMP ] TGLs = 4-2,4-21 | | | |
| Lymph Node | Mandibular | Lymphoma Malignant Lymphocytic | |
| Nose | Mucosa | Atrophy | Moderate |
| | Mucosa | Degeneration | Moderate |
| | Glands | Hyperplasia | Cystic, Mild |
| | Mucosa | Pigmentation | Mild |
| Pancreas | | Lymphoma Malignant Lymphocytic | |
| Preputial Gland | | Ectasia | Moderate |
| | | Lymphoma Malignant Lymphocytic | |
| Note: [ LYMPH MAL LYMP ] TGLs = 1-8 | | | |
| Note: [ ECTASIA ] TGLs = 1-8 | | | |
| Prostate | | Lymphoma Malignant Lymphocytic | |

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 182 | **TRT#:** 7 | **SEX:** Male | **DAY ON TEST:** 730 |
| | **DOSE:** .3% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47151 |

**ORGAN AND ACCOUNTABLE SITE STATUS**

| | | |
|---|---|---|
| Salivary Glands | | Lymphoma Malignant Lymphocytic |
| Seminal Vesicle | | Lymphoma Malignant Lymphocytic |
| Skeletal Muscle | | Lymphoma Malignant Lymphocytic |
| Spleen | | Lymphoma Malignant Lymphocytic |
| Note: [ LYMPH MAL LYMP ] TGLs = 2-6 | | |
| Stomach | Glandular | Lymphoma Malignant Lymphocytic |
| Thymus | | Lymphoma Malignant Lymphocytic |
| Thyroid Gland | | Lymphoma Malignant Lymphocytic |
| Tissue NOS | | Lymphoma Malignant Lymphocytic |
| Note: [ LYMPH MAL LYMP ] TGLs = 3-63 | | |
| Note: TISSUE NOS IS THORACIC FLUID | | |
| Urinary Bladder | | Lymphoma Malignant Lymphocytic |
| PRIMARY CAUSE OF DEATH | - | |

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 183 | **TRT#:** 7 | **SEX:** Male | **DAY ON TEST:** 730 |
| | **DOSE:** .3% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47152 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Medulla | Bone | Bone Marrow | Brain |
| Epididymis | Esophagus | Gallbladder | 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 | Pancreas | Parathyroid Gland |
| Pituitary Gland | Prostate | Salivary Glands | Seminal Vesicle |
| Skeletal Muscle | Spleen | Stomach - Forestomach | Stomach - Glandular |
| Testes | Thymus | Tongue | Trachea |
| Urinary Bladder | | | |

**MISSING**

Mammary Gland

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Adrenal Gland | Cortex | Accessory Adrenal Cortical Nodule | |
| | Cortex | Vacuolization Cytoplasmic | Focal, Minimal |
| Kidney | | Mineralization | Minimal |
| | Renal Tubule | Regeneration | Minimal |
| Lymph Node | Mesenteric | Hemorrhage | Minimal |
| | Mesenteric | Hyperplasia | Lymphoid, Mild |
| Nose | Mucosa | Atrophy | Moderate |
| | Mucosa | Degeneration | Moderate |
| | | Exudate | |
| | Glands | Hyperplasia | Cystic, Mild |
| | Mucosa | Pigmentation | Mild |
| Skin | | Inflammation | Chronic, Minimal |
| Thyroid Gland | | Degeneration | Cystic, Minimal |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 184 | **TRT#:** 7 | **SEX:** Male | **DAY ON TEST:** 730 |
| | **DOSE:** .3% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47153 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Medulla | Bone | Bone Marrow | Epididymis |
| Esophagus | Gallbladder | 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 | Pancreas | Parathyroid Gland | Pituitary Gland |
| Prostate | Salivary Glands | Seminal Vesicle | Skeletal Muscle |
| Skin | Spleen | Stomach - Forestomach | Stomach - Glandular |
| Testes | Thymus | Thyroid Gland | Tongue |
| Trachea | Urinary Bladder | | |

**MISSING**

Mammary Gland

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Adrenal Gland | Cortex | Hypertrophy | Focal, Moderate |
| Brain | Thalamus | Mineralization | Minimal |
| Kidney | | Mineralization | Minimal |
| | Renal Tubule | Regeneration | Minimal |
| Lung | | Hemorrhage | Minimal |
| Note: [ HEMORRHAGE ] TGLs = 1-2-1 | | | |
| Nose | Mucosa | Atrophy | Moderate |
| | Mucosa | Degeneration | Moderate |
| | | Exudate | |
| | Glands | Hyperplasia | Cystic, Moderate |
| | Mucosa | Pigmentation | Mild |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 185 | **TRT#:** 7 | **SEX:** Male | **DAY ON TEST:** 730 |
| | **DOSE:** .3% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47154 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Medulla | Bone | Bone Marrow | Brain |
| Epididymis | Esophagus | Gallbladder | 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 | Prostate | Salivary Glands | Seminal Vesicle |
| Skeletal Muscle | Skin | Spleen | Stomach - Forestomach |
| Stomach - Glandular | Testes | Thymus | Thyroid Gland |
| Tongue | Trachea | Urinary Bladder | |

**MISSING**

Mammary Gland

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Adrenal Gland | Cortex | Hypertrophy | Focal, Minimal |
| Kidney | | Mineralization | Minimal |
| | Renal Tubule | Regeneration | Minimal |
| Liver | | Mixed Cell Focus | |
| Note: [ MIXED CL FOCUS ] TGLs = 2-21 | | | |
| Nose | Mucosa | Atrophy | Moderate |
| | Mucosa | Degeneration | Moderate |
| | | Exudate | |
| | Glands | Hyperplasia | Cystic, Moderate |
| | Mucosa | Pigmentation | Mild |
| Preputial Gland | | Ectasia | Mild |
| Note: [ ECTASIA ] TGLs = 1-8 | | | |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 186 | **TRT#:** 7 | **SEX:** Male | **DAY ON TEST:** 524 |
| | **DOSE:** .3% | **DISP:** Natural Death | **HISTO:** 88-45551 |

## ORGAN AND ACCOUNTABLE SITE STATUS

| | | | |
|---|---|---|---|
| **NORMAL** | | | |
| Adrenal Gland - Cortex | Adrenal Gland - Medulla | Bone | Bone Marrow |
| Epididymis | Esophagus | Gallbladder | Heart |
| Intestine Large - Cecum | Intestine Large - Colon | Intestine Large - Rectum | Intestine Small - Duodenum |
| Intestine Small - Ileum | Islets, Pancreatic | Liver | Lung |
| Lymph Node - Mandibular | Pancreas | Parathyroid Gland | Prostate |
| Salivary Glands | Seminal Vesicle | Skeletal Muscle | Skin |
| Spleen | Stomach - Forestomach | Stomach - Glandular | Testes |
| Thymus | Thyroid Gland | Tongue | Trachea |
| **MISSING** | | | |
| Mammary Gland | Pituitary Gland | | |
| **AUTO PRECLUDES DIAG.** | | | |
| Intestine Small - Jejunum | | | |
| **OBSERVATIONS** | | | |
| Brain | Thalamus | Mineralization | Mild |
| Kidney | | Cyst | |
| Lymph Node | Mesenteric | Hemorrhage | Mild |
| Nose | Mucosa | Atrophy | Moderate |
| | Mucosa | Degeneration | Moderate |
| | | Exudate | |
| | Glands | Hyperplasia | Cystic, Minimal |
| | Mucosa | Pigmentation | Mild |
| Urinary Bladder | | Dilatation | Moderate |
| PRIMARY CAUSE OF DEATH | - | | |

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 187 | **TRT#:** 7 | **SEX:** Male | **DAY ON TEST:** 730 |
| | **DOSE:** .3% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47155 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Medulla | Bone | Bone Marrow | Epididymis |
| Esophagus | Gallbladder | 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 | Pancreas | Parathyroid Gland | Pituitary Gland |
| Prostate | Salivary Glands | Seminal Vesicle | Skeletal Muscle |
| Skin | Spleen | Stomach - Forestomach | Stomach - Glandular |
| Testes | Thymus | Thyroid Gland | Tongue |
| Trachea | Urinary Bladder | | |

**MISSING**

Mammary Gland

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Adrenal Gland | Capsule, Cortex | Hyperplasia | Moderate |
| | Cortex | Hypertrophy | Focal, Mild |
| Brain | Thalamus | Mineralization | Minimal |
| Kidney | | Hyperplasia | Lymphoid, Minimal |
| | | Mineralization | Minimal |
| | Renal Tubule | Regeneration | Minimal |
| Lymph Node | Mesenteric | Hemorrhage | Minimal |
| | Mesenteric | Hyperplasia | Lymphoid, Mild |
| Nose | Mucosa | Atrophy | Mild |
| | Mucosa | Degeneration | Moderate |
| | | Exudate | |
| | Glands | Hyperplasia | Cystic, Minimal |
| | Mucosa | Pigmentation | Minimal |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 188 | **TRT#:** 7 | **SEX:** Male | **DAY ON TEST:** 456 |
| | **DOSE:** .3% | **DISP:** Scheduled Sacrifice | **HISTO:** 87-45118 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Medulla | Bone | Bone Marrow | Epididymis |
| Esophagus | Gallbladder | Heart | Intestine Large - Cecum |
| Intestine Large - Colon | Intestine Large - Rectum | Intestine Small - Duodenum | Intestine Small - Ileum |
| Intestine Small - Jejunum | Islets, Pancreatic | Kidney | Liver |
| Lung | Lymph Node - Mandibular | Lymph Node - Mesenteric | Pancreas |
| Parathyroid Gland | Pituitary Gland | Prostate | Salivary Glands |
| Seminal Vesicle | Skeletal Muscle | Skin | Spleen |
| Stomach - Forestomach | Stomach - Glandular | Testes | Thymus |
| Thyroid Gland | Tongue | Trachea | Urinary Bladder |

**MISSING**

Mammary Gland

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Adrenal Gland | Cortex | Hyperplasia | Focal, Mild |
| Brain | Thalamus | Mineralization | Mild |
| Nose | Mucosa | Atrophy | Mild |
| | Mucosa | Degeneration | Mild |
| | | Exudate | |
| | Glands | Hyperplasia | Cystic, Mild |
| | Mucosa | Pigmentation | Mild |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 189 | **TRT#:** 7 | **SEX:** Male | **DAY ON TEST:** 730 |
| | **DOSE:** .3% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47156 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Medulla | Bone | Bone Marrow | Epididymis |
| Esophagus | Gallbladder | 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 | Pancreas | Parathyroid Gland | Pituitary Gland |
| Prostate | Salivary Glands | Seminal Vesicle | Skeletal Muscle |
| Skin | Spleen | Stomach - Forestomach | Stomach - Glandular |
| Testes | Thyroid Gland | Tongue | Trachea |
| Urinary Bladder | | | |

**MISSING**

| | |
|---|---|
| Mammary Gland | Thymus |

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Adrenal Gland | Capsule, Cortex | Hyperplasia | Mild |
| | Cortex | Hypertrophy | Focal, Mild |
| | Cortex | Vacuolization Cytoplasmic | Focal, Minimal |
| Brain | Thalamus | Mineralization | Mild |
| Kidney | | Mineralization | Minimal |
| | Renal Tubule | Regeneration | Minimal |
| Lymph Node | Mesenteric | Hemorrhage | Mild |
| Nose | Mucosa | Atrophy | Mild |
| | Mucosa | Degeneration | Mild |
| | | Exudate | |
| | Glands | Hyperplasia | Cystic, Mild |
| | Mucosa | Pigmentation | Mild |

PRIMARY CAUSE OF DEATH -

Animal Note: INFUSION ARTIFACT IN URINARY BLADDER

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 190 | **TRT#:** 7 | **SEX:** Male | **DAY ON TEST:** 730 |
| | **DOSE:** .3% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47157 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Medulla | Bone | Bone Marrow | Epididymis |
| Esophagus | Gallbladder | 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 | Pancreas | Parathyroid Gland |
| Pituitary Gland | Prostate | Salivary Glands | Seminal Vesicle |
| Skeletal Muscle | Spleen | Stomach - Forestomach | Stomach - Glandular |
| Testes | Tongue | Trachea | Urinary Bladder |

**MISSING**

Mammary Gland

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Adrenal Gland | Cortex | Hyperplasia | Focal, Minimal |
| Brain | Thalamus | Mineralization | Mild |
| Kidney | | Mineralization | Minimal |
| | Renal Tubule | Regeneration | Minimal |
| Nose | Mucosa | Atrophy | Moderate |
| | Mucosa | Degeneration | Moderate |
| | Glands | Hyperplasia | Cystic, Mild |
| | Mucosa | Pigmentation | Mild |
| Preputial Gland | | Ectasia | Marked |
| Note: [ ECTASIA ] TGLs = 2-8 | | | |
| Skin | | Acanthosis | Minimal |
| Note: [ ACANTHOSIS ] TGLs = 1-21 | | | |
| Thymus | | Cyst | |
| Thyroid Gland | Follicle | Cyst | |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 191 | **TRT#:** 7 | **SEX:** Male | **DAY ON TEST:** 725 |
| | **DOSE:** .3% | **DISP:** Moribund Sacrifice | **HISTO:** 88-47158 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Cortex | Adrenal Gland - Medulla | Bone | Bone Marrow |
| Epididymis | Esophagus | Gallbladder | Intestine Large - Cecum |
| Intestine Large - Colon | Intestine Large - Rectum | Intestine Small - Duodenum | Intestine Small - Ileum |
| Intestine Small - Jejunum | Islets, Pancreatic | Liver | Pancreas |
| Parathyroid Gland | Pituitary Gland | Prostate | Salivary Glands |
| Seminal Vesicle | Skeletal Muscle | Skin | Spleen |
| Stomach - Forestomach | Stomach - Glandular | Testes | Thyroid Gland |
| Tongue | Trachea | Urinary Bladder | |

**MISSING**

| | |
|---|---|
| Mammary Gland | Thymus |

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Brain | Thalamus | Mineralization | Moderate |
| Harderian Gland | | Adenoma | |
| Note: [ ADENOMA ] TGLs = 4-9,4-21 | | | |
| Heart | | Cardiomyopathy | Minimal |
| Kidney | | Cyst | |
| | | Mineralization | Minimal |
| | Renal Tubule | Regeneration | Minimal |
| Lung | | Alveolar/Bronchiolar Carcinoma | |
| | | Infiltration Cellular | Histiocyte, Marked |
| Note: [ ALV BRON CARC ] TGLs = 2-2 | | | |
| Note: [ INFILTRAT CELL ] TGLs = 3-2 | | | |
| Lymph Node | Mesenteric | Hematopoietic Cell Proliferation | Mild |
| | Mesenteric | Hemorrhage | Moderate |
| | Mandibular | Hyperplasia | Plasma Cell, Mild |
| Nose | Mucosa | Atrophy | Moderate |
| | Mucosa | Degeneration | Moderate |
| | Glands | Hyperplasia | Cystic, Mild |
| | Mucosa | Pigmentation | Mild |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 191 | **TRT#:** 7 | **SEX:** Male | **DAY ON TEST:** 725 |
| | **DOSE:** .3% | **DISP:** Moribund Sacrifice | **HISTO:** 88-47158 |

**ORGAN AND ACCOUNTABLE SITE STATUS**

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 192 | **TRT#:** 7 | **SEX:** Male | **DAY ON TEST:** 683 |
| | **DOSE:** .3% | **DISP:** Moribund Sacrifice | **HISTO:** 88-46922 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Medulla | Bone | Bone Marrow | Epididymis |
| Esophagus | Gallbladder | Heart | 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 | Prostate | Salivary Glands | Seminal Vesicle |
| Skeletal Muscle | Skin | Stomach - Glandular | Thyroid Gland |
| Tongue | Trachea | Urinary Bladder | |

**MISSING**

| | |
|---|---|
| Intestine Large - Cecum | Mammary Gland |

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Adrenal Gland | Cortex | Accessory Adrenal Cortical Nodule | |
| Brain | Thalamus | Mineralization | Mild |
| Harderian Gland | | Adenoma | |
| Note: [ ADENOMA ] TGLs = 6-22 | | | |
| Kidney | Renal Tubule | Dilatation | Mild |
| | Renal Tubule | Regeneration | Mild |
| Liver | | Clear Cell Focus | |
| | Bile Duct | Hyperplasia | Mild |
| | | Mesothelioma Malignant | Metastatic (Mesentery) |
| | Lobules | Necrosis | Marked |
| Note: [ NECROSIS ] TGLs = 5-6 | | | |
| Lung | | Mesothelioma Malignant | Metastatic (Mesentery) |
| Mesentery | | Mesothelioma Malignant | |
| Note: MESOTHELIO MAL ALSO PRESENT ON SLIDES 4, 5, 6, 7, & 10 | | | |
| Note: [ MESOTHELIO MAL ] TGLs = 4-21 | | | |
| Nose | Mucosa | Atrophy | Moderate |
| | Mucosa | Degeneration | Moderate |
| | Glands | Hyperplasia | Cystic, Mild |
| | Mucosa | Pigmentation | Minimal |
| Pancreas | Acinar Cell | Cytoplasmic Alteration | Marked |

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 192 | **TRT#:** 7 | **SEX:** Male | **DAY ON TEST:** 683 |
| | **DOSE:** .3% | **DISP:** Moribund Sacrifice | **HISTO:** 88-46922 |

**ORGAN AND ACCOUNTABLE SITE STATUS**

| | | | |
|---|---|---|---|
| Preputial Gland | | Ectasia | Marked |
| | | Inflammation | Chronic, Moderate |
| Note: [ ECTASIA ] TGLs = 1-8 | | | |
| Spleen | Lymph Follic | Atrophy | Moderate |
| | | Hematopoietic Cell Proliferation | Mild |
| Note: [ ATROPHY ] TGLs = 3-6 | | | |
| Stomach | Forestomach | Squamous Cell Carcinoma | |
| Note: [ SQUAM CEL CARC ] TGLs = 7-4-1 | | | |
| Testes | Seminif Tub | Atrophy | Minimal |
| Thymus | | Depletion Cellular | Moderate |
| PRIMARY CAUSE OF DEATH | - | | |

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 193 | **TRT#:** 7 | **SEX:** Male | **DAY ON TEST:** 456 |
| | **DOSE:** .3% | **DISP:** Scheduled Sacrifice | **HISTO:** 87-45119 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Medulla | Bone | Bone Marrow | Epididymis |
| Esophagus | Gallbladder | 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 | Pancreas | Parathyroid Gland |
| Pituitary Gland | Prostate | Salivary Glands | Seminal Vesicle |
| Skeletal Muscle | Skin | Spleen | Stomach - Forestomach |
| Stomach - Glandular | Testes | Thyroid Gland | Tongue |
| Trachea | Urinary Bladder | | |

**MISSING**

Mammary Gland

**INSUFFICIENT TISSUE**

Thymus

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Adrenal Gland | Cortex | Hyperplasia | Focal, Minimal |
| Brain | Thalamus | Mineralization | Mild |
| Kidney | | Mineralization | Minimal |
| | Renal Tubule | Regeneration | Minimal |
| Nose | Mucosa | Atrophy | Moderate |
| | Mucosa | Degeneration | Moderate |
| | Glands | Hyperplasia | Cystic, Minimal |
| | Mucosa | Pigmentation | Mild |
| Preputial Gland | | Ectasia | Moderate |

Note: ECTASIA TGLs = 1-8

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 194 | **TRT#:** 7 | **SEX:** Male | **DAY ON TEST:** 730 |
| | **DOSE:** .3% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47159 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Cortex | Adrenal Gland - Medulla | Bone | Bone Marrow |
| Epididymis | Esophagus | Gallbladder | 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 | Pancreas | Parathyroid Gland | Pituitary Gland |
| Prostate | Salivary Glands | Seminal Vesicle | Skeletal Muscle |
| Skin | Spleen | Stomach - Forestomach | Stomach - Glandular |
| Testes | Thymus | Tongue | Trachea |
| Urinary Bladder | | | |

**MISSING**

Mammary Gland

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Brain | Thalamus | Mineralization | Mild |
| Kidney | | Cyst | |
| | | Mineralization | Minimal |
| | Renal Tubule | Regeneration | Mild |
| Liver | | Hepatocellular Carcinoma | |
| Note: [ HEPATOCLR CARC ] TGLs = 1-21 | | | |
| Lymph Node | Mesenteric | Hemorrhage | Minimal |
| Nose | Mucosa | Atrophy | Moderate |
| | Mucosa | Degeneration | Moderate |
| | | Exudate | |
| | Glands | Hyperplasia | Cystic, Mild |
| | Mucosa | Pigmentation | Minimal |
| Thyroid Gland | | Degeneration | Cystic, Mild |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 195 | **TRT#:** 7 | **SEX:** Male | **DAY ON TEST:** 730 |
| | **DOSE:** .3% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47160 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Medulla | Bone | Bone Marrow | Epididymis |
| Esophagus | Gallbladder | 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 | Pancreas | Parathyroid Gland |
| Pituitary Gland | Prostate | Salivary Glands | Seminal Vesicle |
| Skeletal Muscle | Spleen | Stomach - Forestomach | Stomach - Glandular |
| Testes | Tongue | Trachea | Urinary Bladder |

**MISSING**

Mammary Gland

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Adrenal Gland | Cortex | Vacuolization Cytoplasmic | Focal, Minimal |
| Brain | Thalamus | Mineralization | Mild |
| Harderian Gland | | Adenoma | |
| Kidney | | Cyst | |
| | Renal Tubule | Regeneration | Mild |
| Nose | Mucosa | Atrophy | Moderate |
| | Mucosa | Degeneration | Moderate |
| | Glands | Hyperplasia | Cystic, Minimal |
| | Mucosa | Pigmentation | Minimal |
| Preputial Gland | | Ectasia | Mild |
| | | Inflammation | Chronic, Mild |
| Note: [ ECTASIA ] TGLs = 2-8 | | | |
| Skin | | Acanthosis | Minimal |
| Note: [ ACANTHOSIS ] TGLs = 1-21 | | | |
| Thymus | | Cyst | |
| Thyroid Gland | | Degeneration | Cystic, Moderate |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 196 | **TRT#:** 7 | **SEX:** Male | **DAY ON TEST:** 730 |
| | **DOSE:** .3% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47161 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Medulla | Bone | Bone Marrow | Brain |
| Epididymis | Esophagus | Gallbladder | 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 | Prostate | Salivary Glands | Seminal Vesicle |
| Skeletal Muscle | Skin | Spleen | Stomach - Forestomach |
| Testes | Tongue | Trachea | Urinary Bladder |

**MISSING**

Mammary Gland

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Adrenal Gland | Cortex | Hypertrophy | Focal, Minimal |
| Kidney | | Hyperplasia | Lymphoid, Minimal |
| | | Mineralization | Minimal |
| | Renal Tubule | Regeneration | Mild |
| Liver | | Inflammation | Subacute, Minimal |
| Nose | Mucosa | Atrophy | Moderate |
| | Mucosa | Degeneration | Moderate |
| | Glands | Hyperplasia | Cystic, Minimal |
| | Mucosa | Pigmentation | Moderate |
| Preputial Gland | | Ectasia | Moderate |
| Note: [ ECTASIA ] TGLs = 1-8 | | | |
| Stomach | Glandular | Cyst | |
| Thymus | | Cyst | |
| Thyroid Gland | Follicle | Cyst | |
| | Follicular Cel | Hyperplasia | Mild |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 197 | **TRT#:** 7 | **SEX:** Male | **DAY ON TEST:** 730 |
| | **DOSE:** .3% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47162 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Medulla | Bone | Bone Marrow | Epididymis |
| Esophagus | Gallbladder | 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 | Pancreas | Parathyroid Gland |
| Pituitary Gland | Prostate | Salivary Glands | Seminal Vesicle |
| Skin | Spleen | Stomach - Forestomach | Stomach - Glandular |
| Testes | Thymus | Thyroid Gland | Tongue |
| Trachea | Urinary Bladder | | |

**MISSING**

Mammary Gland

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Adrenal Gland | Cortex | Accessory Adrenal Cortical Nodule | |
| | Capsule, Cortex | Hyperplasia | Mild |
| Brain | Thalamus | Mineralization | Moderate |
| Kidney | Renal Tubule | Regeneration | Minimal |
| Nose | Mucosa | Atrophy | Moderate |
| | Mucosa | Degeneration | Moderate |
| | | Exudate | |
| | Glands | Hyperplasia | Cystic, Mild |
| | Mucosa | Pigmentation | Mild |
| Preputial Gland | | Ectasia | Moderate |
| Note: [ ECTASIA ] TGLs = 1-8 | | | |
| Skeletal Muscle | Sarcolem Nucli | Hyperplasia | Mild |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 198 | **TRT#:** 7 | **SEX:** Male | **DAY ON TEST:** 552 |
| | **DOSE:** .3% | **DISP:** Natural Death | **HISTO:** 88-45675 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Cortex | Adrenal Gland - Medulla | Epididymis | Esophagus |
| Gallbladder | Intestine Large - Cecum | Intestine Large - Colon | Intestine Large - Rectum |
| Intestine Small - Duodenum | Intestine Small - Ileum | Intestine Small - Jejunum | Islets, Pancreatic |
| Lung | Lymph Node - Mandibular | Pancreas | Parathyroid Gland |
| Pituitary Gland | Prostate | Salivary Glands | Seminal Vesicle |
| Skeletal Muscle | Skin | Stomach - Glandular | Testes |
| Thyroid Gland | Tongue | Trachea | Urinary Bladder |

**MISSING**

Mammary Gland

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Bone | | Osteosarcoma | |
| Note: OSTEOSARCOMA IS ON SLIDE 41 | | | |
| Bone Marrow | | Hypercellularity | Mild |
| Brain | Thalamus | Mineralization | Mild |
| Heart | Myocardium | Inflammation | Chronic, Minimal |
| | Myocardium | Mineralization | Minimal |
| Kidney | | Casts Protein | Mild |
| | Renal Tubule | Regeneration | Moderate |
| Note: [ REGENERATION ] TGLs = 5-5 | | | |
| Liver | Kupffer Cell | Hyperplasia | Mild |
| | Lobules | Necrosis | Minimal |
| | Hepatocyte | Vacuolization Cytoplasmic | Moderate |
| Note: [ VACUOLIZ CYTO ] TGLs = 6-6 | | | |
| Lymph Node | Mesenteric | Osteosarcoma | Metastatic (Bone) |
| Note: [ OSTEOSARC ] TGLs = 4-22 | | | |
| Nose | Mucosa | Atrophy | Moderate |
| | Mucosa | Degeneration | Moderate |
| | | Exudate | |
| | Glands | Hyperplasia | Cystic, Mild |
| | Mucosa | Pigmentation | Mild |

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 198 | **TRT#:** 7 | **SEX:** Male | **DAY ON TEST:** 552 |
| | **DOSE:** .3% | **DISP:** Natural Death | **HISTO:** 88-45675 |

**ORGAN AND ACCOUNTABLE SITE STATUS**

Note: MUCOSAL CHANGES INVOLVED OLFACTORY EPITHELIUM

| | | | |
|---|---|---|---|
| Spleen | Lymph Follic | Atrophy | Moderate |
| | | Hematopoietic Cell Proliferation | Moderate |
| Stomach | Forestomach, Mucosa | Hyperplasia | Moderate |
| | Forestomach | Inflammation | Subacute, Mild |
| Thymus | | Ectopic Parathyroid Gland | |

PRIMARY CAUSE OF DEATH -

Animal Note: METASTASIS- NOT CODED
Animal Note: FOCUS OF ATYPICAL CELLS IN SKELETAL MUSCLE,POSSIBLY TUMOR

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 199 | **TRT#:** 7 | **SEX:** Male | **DAY ON TEST:** 456 |
| | **DOSE:** .3% | **DISP:** Scheduled Sacrifice | **HISTO:** 87-45120 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Cortex | Adrenal Gland - Medulla | Bone | Bone Marrow |
| Epididymis | Esophagus | Gallbladder | 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 | Parathyroid Gland |
| Pituitary Gland | Prostate | Salivary Glands | Seminal Vesicle |
| Skeletal Muscle | Skin | Spleen | Stomach - Forestomach |
| Stomach - Glandular | Testes | Thymus | Thyroid Gland |
| Tongue | Trachea | Urinary Bladder | |

**MISSING**

Mammary Gland

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Brain | Thalamus | Mineralization | Mild |
| Kidney | | Mineralization | Minimal |
| | Renal Tubule | Regeneration | Minimal |
| Nose | Mucosa | Atrophy | Moderate |
| | Mucosa | Degeneration | Moderate |
| | Glands | Hyperplasia | Cystic, Minimal |
| | Mucosa | Pigmentation | Mild |
| Pancreas | | Focal Cellular Change | |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 200 | **TRT#:** 7 | **SEX:** Male | **DAY ON TEST:** 731 |
| | **DOSE:** .3% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47163 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Medulla | Bone | Bone Marrow | Epididymis |
| Esophagus | Gallbladder | 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 | Pancreas | Parathyroid Gland | Pituitary Gland |
| Prostate | Salivary Glands | Seminal Vesicle | Skeletal Muscle |
| Skin | Spleen | Stomach - Glandular | Testes |
| Thymus | Tongue | Trachea | Urinary Bladder |

**MISSING**

Mammary Gland

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Adrenal Gland | Capsule, Cortex | Hyperplasia | Moderate |
| | Cortex | Hypertrophy | Focal, Minimal |
| Brain | Thalamus | Mineralization | Moderate |
| Kidney | | Cyst | |
| | Renal Tubule | Regeneration | Minimal |
| Lymph Node | Mesenteric | Hemorrhage | Mild |
| Nose | Mucosa | Atrophy | Moderate |
| | Mucosa | Degeneration | Moderate |
| | | Exudate | |
| | Glands | Hyperplasia | Cystic, Moderate |
| | Mucosa | Pigmentation | Minimal |
| Preputial Gland | | Ectasia | Moderate |
| | | Inflammation | Chronic, Mild |
| Note: [ ECTASIA ] TGLs = 1-8 | | | |
| Stomach | Forestomach, Mucosa | Hyperplasia | Mild |
| Thyroid Gland | Follicle | Cyst | |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 201 | **TRT#:** 7 | **SEX:** Male | **DAY ON TEST:** 456 |
| | **DOSE:** .3% | **DISP:** Scheduled Sacrifice | **HISTO:** 87-45121 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Cortex | Adrenal Gland - Medulla | Bone | Bone Marrow |
| Epididymis | Esophagus | Gallbladder | 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 | Pancreas |
| Parathyroid Gland | Pituitary Gland | Salivary Glands | Seminal Vesicle |
| Skeletal Muscle | Skin | Spleen | Stomach - Forestomach |
| Thymus | Thyroid Gland | Tongue | Trachea |
| Urinary Bladder | | | |

**MISSING**

Mammary Gland

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Brain | Thalamus | Mineralization | Minimal |
| Kidney | | Hyperplasia | Lymphoid, Minimal |
| | Renal Tubule | Regeneration | Minimal |
| Nose | Mucosa | Atrophy | Moderate |
| | Mucosa | Degeneration | Moderate |
| | Glands | Hyperplasia | Cystic, Minimal |
| | Mucosa | Pigmentation | Mild |
| Prostate | | Hemorrhage | Mild |
| | | Inflammation | Chronic, Minimal |
| Note: INFLAMMATION TGLs = 2-22 | | | |
| Note: HEMORRHAGE TGLs = 2-22 | | | |
| Stomach | Glandular | Cyst | |
| Testes | Seminif Tub | Atrophy | Mild |
| | | Granuloma Sperm | Moderate |
| | | Mineralization | Moderate |
| Note: MINERALIZATION TGLs = 1-21 | | | |
| Note: GRANLOMA SPERM TGLs = 1-21 | | | |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 201 | **TRT#:** 7 | **SEX:** Male | **DAY ON TEST:** 456 |
| | **DOSE:** .3% | **DISP:** Scheduled Sacrifice | **HISTO:** 87-45121 |

**ORGAN AND ACCOUNTABLE SITE STATUS**

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 202 | **TRT#:** 7 | **SEX:** Male | **DAY ON TEST:** 731 |
| | **DOSE:** .3% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47164 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Medulla | Bone | Bone Marrow | Epididymis |
| Esophagus | Gallbladder | 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 | Pancreas | Parathyroid Gland |
| Pituitary Gland | Prostate | Salivary Glands | Seminal Vesicle |
| Skeletal Muscle | Skin | Spleen | Stomach - Forestomach |
| Stomach - Glandular | Testes | Thymus | Tongue |
| Trachea | Urinary Bladder | | |

**MISSING**

Mammary Gland

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Adrenal Gland | Cortex | Hypertrophy | Focal, Minimal |
| Brain | Thalamus | Mineralization | Mild |
| Kidney | | Mineralization | Minimal |
| | Renal Tubule | Regeneration | Minimal |
| Nose | Mucosa | Atrophy | Moderate |
| | Mucosa | Degeneration | Moderate |
| | | Exudate | |
| | Glands | Hyperplasia | Cystic, Mild |
| | Mucosa | Pigmentation | Mild |
| Preputial Gland | | Ectasia | Moderate |
| Note: [ ECTASIA ] TGLs = 1-8 | | | |
| Thyroid Gland | Follicular Cel | Hyperplasia | Mild |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 203 | **TRT#:** 7 | **SEX:** Male | **DAY ON TEST:** 731 |
| | **DOSE:** .3% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47165 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Cortex | Adrenal Gland - Medulla | Bone | Bone Marrow |
| Brain | Epididymis | Esophagus | Heart |
| Intestine Large - Cecum | Intestine Large - Colon | Intestine Large - Rectum | Intestine Small - Duodenum |
| Intestine Small - Ileum | Intestine Small - Jejunum | Islets, Pancreatic | Liver |
| Lung | Lymph Node - Mandibular | Pancreas | Parathyroid Gland |
| Prostate | Seminal Vesicle | Skeletal Muscle | Skin |
| Spleen | Stomach - Forestomach | Stomach - Glandular | Testes |
| Thymus | Thyroid Gland | Tongue | Trachea |
| Urinary Bladder | | | |

**MISSING**

Mammary Gland

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Gallbladder | | Cyst | |
| Kidney | | Mineralization | Minimal |
| | Renal Tubule | Regeneration | Minimal |
| Lymph Node | Mesenteric | Hemorrhage | Minimal |
| Nose | Mucosa | Atrophy | Moderate |
| | Mucosa | Degeneration | Moderate |
| | Glands | Hyperplasia | Cystic, Mild |
| | Mucosa | Pigmentation | Mild |
| Pituitary Gland | Pars Distalis | Adenoma | |
| Salivary Glands | | Hyperplasia | Lymphoid, Minimal |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 204 | **TRT#:** 7 | **SEX:** Male | **DAY ON TEST:** 456 |
| | **DOSE:** .3% | **DISP:** Scheduled Sacrifice | **HISTO:** 87-45122 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Medulla | Bone | Bone Marrow | Epididymis |
| Esophagus | Gallbladder | Heart | Intestine Large - Cecum |
| Intestine Large - Colon | Intestine Large - Rectum | Intestine Small - Duodenum | Intestine Small - Ileum |
| Intestine Small - Jejunum | Liver | Lung | Lymph Node - Mandibular |
| Lymph Node - Mesenteric | Pancreas | Parathyroid Gland | Pituitary Gland |
| Prostate | Salivary Glands | Seminal Vesicle | Skeletal Muscle |
| Skin | Spleen | Stomach - Forestomach | Stomach - Glandular |
| Testes | Thyroid Gland | Tongue | Trachea |
| Urinary Bladder | | | |

**MISSING**

Mammary Gland

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Adrenal Gland | Cortex | Hyperplasia | Focal, Mild |
| Brain | Thalamus | Mineralization | Minimal |
| Islets, Pancreatic | | Hyperplasia | Mild |
| Kidney | | Mineralization | Minimal |
| | Renal Tubule | Regeneration | Minimal |
| Nose | Mucosa | Atrophy | Moderate |
| | Mucosa | Degeneration | Moderate |
| | Glands | Hyperplasia | Cystic, Minimal |
| | Mucosa | Pigmentation | Mild |
| Thymus | | Cyst | |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 205 | **TRT#:** 7 | **SEX:** Male | **DAY ON TEST:** 731 |
| | **DOSE:** .3% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47166 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Cortex | Adrenal Gland - Medulla | Bone | Bone Marrow |
| Brain | Epididymis | Esophagus | Gallbladder |
| Heart | Intestine Large - Cecum | Intestine Large - Colon | Intestine Large - Rectum |
| Intestine Small - Duodenum | Intestine Small - Ileum | Intestine Small - Jejunum | Islets, Pancreatic |
| Lymph Node - Mandibular | Pancreas | Parathyroid Gland | Pituitary Gland |
| Prostate | Salivary Glands | Seminal Vesicle | Skeletal Muscle |
| Skin | Stomach - Forestomach | Testes | Thyroid Gland |
| Tongue | Trachea | Urinary Bladder | |

**MISSING**

Mammary Gland

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Kidney | | Casts Protein | Minimal |
| | | Hyperplasia | Lymphoid, Minimal |
| | | Mineralization | Minimal |
| | Renal Tubule | Regeneration | Minimal |
| Liver | | Hepatocellular Adenoma | |
| Note: [ HEPATOCLR ADEN ] TGLs = 4-21 | | | |
| Lung | | Alveolar/Bronchiolar Adenoma | |
| | | Alveolar/Bronchiolar Carcinoma | |
| | | Infiltration Cellular | Histiocyte, Mild |
| Note: [ ALV BRON CARC ] TGLs = 3-2 | | | |
| Lymph Node | Mesenteric | Hemorrhage | Mild |
| Note: [ HEMORRHAGE ] TGLs = 2-5 | | | |
| Nose | Mucosa | Atrophy | Moderate |
| | Mucosa | Degeneration | Moderate |
| | | Exudate | |
| | Glands | Hyperplasia | Cystic, Mild |
| | Mucosa | Pigmentation | Mild |
| Spleen | Lymph Follic | Hyperplasia | Mild |
| Stomach | Glandular | Cyst | |

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 205 | **TRT#:** 7 | **SEX:** Male | **DAY ON TEST:** 731 |
| | **DOSE:** .3% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47166 |

**ORGAN AND ACCOUNTABLE SITE STATUS**

| | |
|---|---|
| Thymus | Cyst |
| PRIMARY CAUSE OF DEATH | - |

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 206 | **TRT#:** 7 | **SEX:** Male | **DAY ON TEST:** 731 |
| | **DOSE:** .3% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47167 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Cortex | Adrenal Gland - Medulla | Bone | Bone Marrow |
| Epididymis | Esophagus | Gallbladder | 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 | Pancreas | Parathyroid Gland | Pituitary Gland |
| Prostate | Seminal Vesicle | Skeletal Muscle | Skin |
| Spleen | Stomach - Forestomach | Stomach - Glandular | Testes |
| Thymus | Thyroid Gland | Tongue | Trachea |
| Urinary Bladder | | | |

**MISSING**

Mammary Gland

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Brain | Thalamus | Mineralization | Minimal |
| Kidney | | Cyst | |
| | | Hyperplasia | Lymphoid, Minimal |
| | | Mineralization | Minimal |
| | Renal Tubule | Regeneration | Mild |
| Liver | | Basophilic Focus | |
| Lymph Node | Mesenteric | Hemorrhage | Moderate |
| Nose | Mucosa | Atrophy | Mild |
| | Mucosa | Degeneration | Mild |
| | | Exudate | |
| | Glands | Hyperplasia | Cystic, Moderate |
| | Mucosa | Pigmentation | Mild |
| Salivary Glands | | Hyperplasia | Lymphoid, Mild |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 207 | **TRT#:** 7 | **SEX:** Male | **DAY ON TEST:** 731 |
| | **DOSE:** .3% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47168 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Medulla | Bone Marrow | Brain | Epididymis |
| Esophagus | Gallbladder | Intestine Large - Cecum | Intestine Large - Colon |
| Intestine Large - Rectum | Intestine Small - Duodenum | Intestine Small - Jejunum | Liver |
| Lung | Lymph Node - Mandibular | Lymph Node - Mesenteric | Parathyroid Gland |
| Prostate | Salivary Glands | Seminal Vesicle | Skeletal Muscle |
| Skin | Spleen | Stomach - Forestomach | Stomach - Glandular |
| Tongue | Trachea | Urinary Bladder | |

**MISSING**

| | |
|---|---|
| Intestine Small - Ileum | Mammary Gland |

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Adrenal Gland | Cortex | Hypertrophy | Focal, Minimal |
| Bone | | Dysplasia | Mild |
| Note: DYSPLASIA IS ON SLIDE 9 ON THE FIRST NASAL SECTION | | | |
| Heart | Myocardium | Hemorrhage | Minimal |
| | Myocardium | Inflammation | Chronic, Minimal |
| Islets, Pancreatic | | Hyperplasia | Minimal |
| Kidney | | Cyst | |
| | | Hyperplasia | Lymphoid, Mild |
| | | Mineralization | Mild |
| | Renal Tubule | Regeneration | Mild |
| Note: MINERALIZATION IS LARGELY WITHIN PAPILLA | | | |
| Nose | Mucosa | Atrophy | Moderate |
| | Mucosa | Degeneration | Moderate |
| | Glands | Hyperplasia | Cystic, Minimal |
| | Mucosa | Pigmentation | Mild |
| Pancreas | Acinar Cell | Hyperplasia | Focal, Mild |
| Pituitary Gland | Pars Intermed | Hyperplasia | Moderate |
| Testes | Seminif Tub | Atrophy | Mild |
| | | Granuloma Sperm | Moderate |
| Thymus | | Cyst | |

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 207 | **TRT#:** 7 | **SEX:** Male | **DAY ON TEST:** 731 |
| | **DOSE:** .3% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47168 |

**ORGAN AND ACCOUNTABLE SITE STATUS**

| | | |
|---|---|---|
| Thyroid Gland | Follicle | Cyst |
| PRIMARY CAUSE OF DEATH | - | |

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 208 | **TRT#:** 7 | **SEX:** Male | **DAY ON TEST:** 731 |
| | **DOSE:** .3% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47169 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Medulla | Bone | Bone Marrow | Epididymis |
| Esophagus | Gallbladder | 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 | Pancreas | Parathyroid Gland | Pituitary Gland |
| Prostate | Salivary Glands | Seminal Vesicle | Skeletal Muscle |
| Skin | Spleen | Stomach - Forestomach | Stomach - Glandular |
| Testes | Thyroid Gland | Tongue | Trachea |
| Urinary Bladder | | | |

**MISSING**

Mammary Gland

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Adrenal Gland | Capsule, Cortex | Adenoma | |
| Brain | Thalamus | Mineralization | Minimal |
| Kidney | | Mineralization | Minimal |
| | Renal Tubule | Regeneration | Minimal |
| Lymph Node | Mesenteric | Hemorrhage | Mild |
| Nose | Mucosa | Atrophy | Moderate |
| | Mucosa | Degeneration | Moderate |
| | | Exudate | |
| | Glands | Hyperplasia | Cystic, Mild |
| | Mucosa | Pigmentation | Mild |
| Thymus | | Cyst | |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 209 | **TRT#:** 7 | **SEX:** Male | **DAY ON TEST:** 647 |
| | **DOSE:** .3% | **DISP:** Moribund Sacrifice | **HISTO:** 88-46291 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Cortex | Adrenal Gland - Medulla | Bone | Bone Marrow |
| Epididymis | Esophagus | Gallbladder | 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 | Pancreas | Parathyroid Gland | Pituitary Gland |
| Prostate | Salivary Glands | Seminal Vesicle | Skeletal Muscle |
| Skin | Stomach - Glandular | Testes | Thymus |
| Thyroid Gland | Tongue | Trachea | Urinary Bladder |

**MISSING**

Mammary Gland

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Brain | Thalamus | Mineralization | Mild |
| Kidney | | Casts Protein | Mild |
| | Renal Tubule | Regeneration | Mild |
| Liver | | Hepatocellular Carcinoma | |
| | | Mixed Cell Focus | |
| Note: [ HEPATOCLR CARC ] TGLs = 2-21 | | | |
| Lymph Node | Mesenteric | Hemorrhage | Minimal |
| Nose | Mucosa | Atrophy | Moderate |
| | Mucosa | Degeneration | Moderate |
| | | Exudate | |
| | Glands | Hyperplasia | Cystic, Minimal |
| | Mucosa | Pigmentation | Mild |
| Preputial Gland | | Ectasia | Marked |
| Note: [ ECTASIA ] TGLs = 1-8 | | | |
| Spleen | | Hematopoietic Cell Proliferation | Mild |
| Stomach | Forestomach | Squamous Cell Papilloma | |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 210 | **TRT#:** 7 | **SEX:** Male | **DAY ON TEST:** 731 |
| | **DOSE:** .3% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47170 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Medulla | Bone | Bone Marrow | Epididymis |
| Esophagus | Gallbladder | 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 | Pancreas | Parathyroid Gland | Pituitary Gland |
| Prostate | Seminal Vesicle | Skeletal Muscle | Skin |
| Spleen | Stomach - Forestomach | Stomach - Glandular | Testes |
| Thyroid Gland | Tongue | Trachea | Urinary Bladder |

**MISSING**

Mammary Gland

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Adrenal Gland | Cortex | Hypertrophy | Focal, Mild |
| Brain | Thalamus | Mineralization | Moderate |
| Kidney | | Cyst | |
| | | Mineralization | Minimal |
| | Renal Tubule | Regeneration | Minimal |
| Lymph Node | Mesenteric | Hemorrhage | Minimal |
| Note: [ HEMORRHAGE ] TGLs = 1-5 | | | |
| Nose | Mucosa | Atrophy | Moderate |
| | Mucosa | Degeneration | Moderate |
| | Glands | Hyperplasia | Cystic, Mild |
| | Mucosa | Pigmentation | Mild |
| Salivary Glands | | Hyperplasia | Lymphoid, Minimal |
| Thymus | | Cyst | |
| Tooth | | Dysplasia | Mild |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 211 | **TRT#:** 7 | **SEX:** Male | **DAY ON TEST:** 456 |
| | **DOSE:** .3% | **DISP:** Scheduled Sacrifice | **HISTO:** 87-45123 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Medulla | Bone | Bone Marrow | Epididymis |
| Esophagus | Gallbladder | 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 | Pancreas | Parathyroid Gland | Pituitary Gland |
| Prostate | Salivary Glands | Seminal Vesicle | Skeletal Muscle |
| Skin | Spleen | Stomach - Forestomach | Stomach - Glandular |
| Testes | Thymus | Thyroid Gland | Tongue |
| Trachea | Urinary Bladder | | |

**MISSING**

Mammary Gland

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Adrenal Gland | Cortex | Hyperplasia | Focal, Minimal |
| Brain | Thalamus | Mineralization | Mild |
| Kidney | | Mineralization | Minimal |
| Lung | | Hemorrhage | Minimal |
| Note: HEMORRHAGE IS PERIVASCULAR AND PERIBRONCHIOLAR | | | |
| Nose | Mucosa | Atrophy | Mild |
| | Mucosa | Degeneration | Moderate |
| | | Exudate | |
| | Glands | Hyperplasia | Cystic, Minimal |
| | Mucosa | Pigmentation | Mild |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 212 | **TRT#:** 7 | **SEX:** Male | **DAY ON TEST:** 724 |
| | **DOSE:** .3% | **DISP:** Moribund Sacrifice | **HISTO:** 88-47054 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Medulla | Bone | Bone Marrow | Epididymis |
| Esophagus | Gallbladder | Heart | Intestine Large - Cecum |
| Intestine Large - Colon | Intestine Large - Rectum | Intestine Small - Duodenum | Intestine Small - Ileum |
| Islets, Pancreatic | Liver | Lung | Lymph Node - Mandibular |
| Pancreas | Parathyroid Gland | Pituitary Gland | Prostate |
| Salivary Glands | Seminal Vesicle | Skin | Spleen |
| Stomach - Forestomach | Stomach - Glandular | Testes | Thyroid Gland |
| Tongue | Trachea | Urinary Bladder | |

**MISSING**

| | |
|---|---|
| Mammary Gland | Thymus |

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Adrenal Gland | Cortex | Accessory Adrenal Cortical Nodule | |
| | Cortex | Hypertrophy | Focal, Minimal |
| Brain | Thalamus | Mineralization | Mild |
| Eye | Cornea | Hyperplasia | Moderate |
| | | Inflammation | Chronic, Moderate |
| Note: [ HYPERPLASIA ] TGLs = 1-44 | | | |
| Note: INFLAMMATION INVOLVES CORNEA | | | |
| Note: [ INFLAMMATION ] TGLs = 1-44 | | | |
| Harderian Gland | | Adenoma | |
| Note: [ ADENOMA ] TGLs = 4-22 | | | |
| Intestine Small | Jejunum | Hyperplasia | Lymphoid, Mild |
| Note: [ HYPERPLASIA ] TGLs = 3-21 | | | |
| Kidney | | Mineralization | Minimal |
| | Renal Tubule | Regeneration | Minimal |
| Lymph Node | Mesenteric | Hemorrhage | Minimal |
| Nose | Mucosa | Atrophy | Moderate |
| | Mucosa | Degeneration | Moderate |
| | | Exudate | |
| | Glands | Hyperplasia | Cystic, Mild |

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 212 | **TRT#:** 7 | **SEX:** Male | **DAY ON TEST:** 724 |
| | **DOSE:** .3% | **DISP:** Moribund Sacrifice | **HISTO:** 88-47054 |

**ORGAN AND ACCOUNTABLE SITE STATUS**

| | | | |
|---|---|---|---|
| | Mucosa | Pigmentation | Moderate |
| Note: EXUDATE IS WITHIN HYPERPLASTIC MUCOSAL GLANDS | | | |
| Skeletal Muscle | | Inflammation | Chronic, Minimal |
| PRIMARY CAUSE OF DEATH | - | | |

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 213 | **TRT#:** 7 | **SEX:** Male | **DAY ON TEST:** 730 |
| | **DOSE:** .3% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47171 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Medulla | Bone | Bone Marrow | Epididymis |
| Esophagus | Gallbladder | 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 | Pancreas | Parathyroid Gland |
| Pituitary Gland | Prostate | Salivary Glands | Seminal Vesicle |
| Skeletal Muscle | Skin | Spleen | Stomach - Forestomach |
| Stomach - Glandular | Testes | Thymus | Tongue |
| Trachea | Urinary Bladder | | |

**MISSING**

Mammary Gland

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Adrenal Gland | Cortex | Hypertrophy | Focal, Mild |
| Brain | Thalamus | Mineralization | Mild |
| Kidney | Renal Tubule | Regeneration | Mild |
| Nose | Mucosa | Atrophy | Moderate |
| | Mucosa | Degeneration | Moderate |
| | | Exudate | |
| | Glands | Hyperplasia | Cystic, Moderate |
| | Mucosa | Pigmentation | Mild |
| Preputial Gland | | Ectasia | Moderate |
| Note: [ ECTASIA ] TGLs = 1-8 | | | |
| Thyroid Gland | | Degeneration | Cystic, Mild |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 214 | **TRT#:** 7 | **SEX:** Male | **DAY ON TEST:** 730 |
| | **DOSE:** .3% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47172 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Medulla | Bone | Bone Marrow | Epididymis |
| Esophagus | Gallbladder | 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 | Pancreas | Parathyroid Gland | Pituitary Gland |
| Prostate | Salivary Glands | Seminal Vesicle | Skeletal Muscle |
| Skin | Spleen | Stomach - Forestomach | Stomach - Glandular |
| Testes | Thyroid Gland | Tongue | Trachea |
| Urinary Bladder | | | |

**MISSING**

Mammary Gland

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Adrenal Gland | Cortex | Hypertrophy | Focal, Minimal |
| Brain | Thalamus | Mineralization | Mild |
| Kidney | | Casts Protein | Minimal |
| | Renal Tubule | Regeneration | Minimal |
| Lymph Node | Mesenteric | Hemorrhage | Minimal |
| Nose | Mucosa | Atrophy | Moderate |
| | Mucosa | Degeneration | Moderate |
| | Glands | Hyperplasia | Cystic, Mild |
| | Mucosa | Pigmentation | Mild |
| Preputial Gland | | Ectasia | Moderate |
| Note: [ ECTASIA ] TGLs = 1-8 | | | |
| Thymus | | Cyst | |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 215 | **TRT#:** 7 | **SEX:** Male | **DAY ON TEST:** 730 |
| | **DOSE:** .3% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47173 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Bone | Bone Marrow | Epididymis | Esophagus |
| Gallbladder | Intestine Large - Colon | Intestine Large - Rectum | Intestine Small - Duodenum |
| Intestine Small - Ileum | Intestine Small - Jejunum | Islets, Pancreatic | Lung |
| Lymph Node - Mandibular | Pancreas | Parathyroid Gland | Pituitary Gland |
| Prostate | Seminal Vesicle | Skeletal Muscle | Skin |
| Stomach - Forestomach | Stomach - Glandular | Testes | Thymus |
| Thyroid Gland | Tongue | Trachea | Urinary Bladder |

**MISSING**

| | |
|---|---|
| Intestine Large - Cecum | Mammary Gland |

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Adrenal Gland | Medulla | Hyperplasia | Mild |
| | Cortex | Hypertrophy | Focal, Minimal |
| Brain | Thalamus | Mineralization | Mild |
| Heart | | Cardiomyopathy | Mild |
| Kidney | | Cyst | |
| | | Hyperplasia | Lymphoid, Minimal |
| | Renal Tubule | Regeneration | Minimal |
| Liver | | Basophilic Focus | |
| | | Hepatocellular Carcinoma | |
| Note: [ BASOPH FOCUS ] TGLs = 2-21 | | | |
| Note: [ HEPATOCLR CARC ] TGLs = 3-22 | | | |
| Lymph Node | Mesenteric | Hemorrhage | Moderate |
| | Mesenteric | Hyperplasia | Lymphoid, Mild |
| Note: [ HYPERPLASIA ] TGLs = 5-5 | | | |
| Note: [ HEMORRHAGE ] TGLs = 5-5 | | | |
| Nose | Mucosa | Atrophy | Moderate |
| | Mucosa | Degeneration | Moderate |
| | | Exudate | |
| | Glands | Hyperplasia | Cystic, Mild |
| | Mucosa | Pigmentation | Mild |

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 215 | **TRT#:** 7 | **SEX:** Male | **DAY ON TEST:** 730 |
| | **DOSE:** .3% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47173 |

**ORGAN AND ACCOUNTABLE SITE STATUS**

| | | |
|---|---|---|
| Preputial Gland | Ectasia | Mild |
| | Inflammation | Chronic, Mild |
| Note: [ ECTASIA ] TGLs = 1-8 | | |
| Salivary Glands | Hyperplasia | Lymphoid, Minimal |
| Spleen | Hematopoietic Cell Proliferation | Mild |
| Note: [ HEMA CELL PROL ] TGLs = 4-6 | | |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 216 | **TRT#:** 7 | **SEX:** Male | **DAY ON TEST:** 600 |
| | **DOSE:** .3% | **DISP:** Moribund Sacrifice | **HISTO:** 88-45823 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Cortex | Adrenal Gland - Medulla | Bone | Bone Marrow |
| Epididymis | Esophagus | Gallbladder | 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 | Prostate | Salivary Glands | Seminal Vesicle |
| Skeletal Muscle | Skin | Stomach - Glandular | Testes |
| Thyroid Gland | Tongue | Trachea | Urinary Bladder |

**MISSING**

Mammary Gland

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Brain | Thalamus | Mineralization | Mild |
| Kidney | | Casts Protein | Minimal |
| | | Mineralization | Minimal |
| | Renal Tubule | Regeneration | Moderate |
| Liver | | Clear Cell Focus | |
| | Hepatocyte | Vacuolization Cytoplasmic | Mild |
| Nose | Mucosa | Atrophy | Mild |
| | Mucosa | Degeneration | Mild |
| | Glands | Hyperplasia | Cystic, Mild |
| | Mucosa | Pigmentation | Mild |
| Preputial Gland | | Ectasia | Moderate |
| Note: [ ECTASIA ] TGLs = 1-8 | | | |
| Spleen | Red Pulp | Atrophy | Moderate |
| Note: [ ATROPHY ] TGLs = 2-6 | | | |
| Stomach | Forestomach | Erosion | Mild |
| Thymus | | Depletion Cellular | Mild |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 217 | **TRT#:** 7 | **SEX:** Male | **DAY ON TEST:** 730 |
| | **DOSE:** .3% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47174 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Medulla | Bone | Bone Marrow | Epididymis |
| Esophagus | Gallbladder | 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 | Pancreas | Parathyroid Gland |
| Pituitary Gland | Prostate | Salivary Glands | Seminal Vesicle |
| Skeletal Muscle | Skin | Spleen | Stomach - Forestomach |
| Stomach - Glandular | Testes | Thymus | Thyroid Gland |
| Tongue | Trachea | Urinary Bladder | |

**MISSING**

Mammary Gland

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Adrenal Gland | Capsule, Cortex | Hyperplasia | Mild |
| Brain | Thalamus | Mineralization | Moderate |
| Kidney | | Mineralization | Minimal |
| | Renal Tubule | Regeneration | Minimal |
| Nose | Mucosa | Atrophy | Moderate |
| | Mucosa | Degeneration | Moderate |
| | | Exudate | |
| | Glands | Hyperplasia | Cystic, Mild |
| | Mucosa | Pigmentation | Mild |
| Preputial Gland | | Ectasia | Moderate |
| | | Inflammation | Chronic, Mild |

Note: [ ECTASIA ] TGLs = 1-8

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 218 | **TRT#:** 7 | **SEX:** Male | **DAY ON TEST:** 730 |
| | **DOSE:** .3% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47175 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Medulla | Bone | Bone Marrow | Brain |
| Epididymis | Esophagus | Gallbladder | 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 | Prostate | Seminal Vesicle | Skin |
| Spleen | Stomach - Forestomach | Stomach - Glandular | Testes |
| Thymus | Thyroid Gland | Tongue | Trachea |
| Urinary Bladder | | | |

**MISSING**

Mammary Gland

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Adrenal Gland | Cortex | Hypertrophy | Focal, Minimal |
| Kidney | Renal Tubule | Regeneration | Minimal |
| Liver | | Hepatocellular Carcinoma | |
| Note: [ HEPATOCLR CARC ] TGLs = 2-21 | | | |
| Nose | Mucosa | Atrophy | Moderate |
| | Mucosa | Degeneration | Moderate |
| | | Exudate | |
| | Glands | Hyperplasia | Cystic, Mild |
| | Mucosa | Pigmentation | Mild |
| Preputial Gland | | Ectasia | Moderate |
| Note: [ ECTASIA ] TGLs = 1-8 | | | |
| Salivary Glands | | Hyperplasia | Lymphoid, Minimal |
| Skeletal Muscle | Sarcolem Nucli | Hyperplasia | Mild |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 219 | **TRT#:** 7 | **SEX:** Male | **DAY ON TEST:** 731 |
| | **DOSE:** .3% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47176 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Medulla | Bone | Bone Marrow | Epididymis |
| Esophagus | Gallbladder | Heart | Intestine Large - Cecum |
| Intestine Large - Colon | Intestine Large - Rectum | Intestine Small - Duodenum | Intestine Small - Ileum |
| Intestine Small - Jejunum | Liver | Lung | Lymph Node - Mandibular |
| Pancreas | Parathyroid Gland | Pituitary Gland | Prostate |
| Salivary Glands | Seminal Vesicle | Skeletal Muscle | Skin |
| Spleen | Stomach - Glandular | Testes | Thymus |
| Tongue | Trachea | Urinary Bladder | |

**MISSING**

Mammary Gland

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Adrenal Gland | Cortex | Hypertrophy | Focal, Mild |
| Brain | Thalamus | Mineralization | Minimal |
| Islets, Pancreatic | | Hyperplasia | Minimal |
| Kidney | | Mineralization | Minimal |
| | Renal Tubule | Regeneration | Mild |
| Lymph Node | Mesenteric | Hyperplasia | Lymphoid, Mild |
| Nose | Mucosa | Atrophy | Moderate |
| | Mucosa | Degeneration | Moderate |
| | | Exudate | |
| | Glands | Hyperplasia | Cystic, Moderate |
| | Mucosa | Pigmentation | Mild |
| Preputial Gland | | Inflammation | Chronic, Moderate |
| Note: [ INFLAMMATION ] TGLs = 1-8 | | | |
| Stomach | Forestomach, Mucosa | Hyperplasia | Mild |
| Note: [ HYPERPLASIA ] TGLs = 2-4 | | | |
| Thyroid Gland | | Degeneration | Cystic, Minimal |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 220 | **TRT#:** 7 | **SEX:** Male | **DAY ON TEST:** 731 |
| | **DOSE:** .3% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47177 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Medulla | Bone | Bone Marrow | Epididymis |
| Esophagus | Gallbladder | 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 |
| Pancreas | Parathyroid Gland | Pituitary Gland | Prostate |
| Salivary Glands | Seminal Vesicle | Skeletal Muscle | Skin |
| Stomach - Glandular | Testes | Thymus | Thyroid Gland |
| Tongue | Trachea | Urinary Bladder | |

**MISSING**

Mammary Gland

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Adrenal Gland | Capsule, Cortex | Hyperplasia | Mild |
| | Cortex | Hypertrophy | Focal, Minimal |
| Brain | Thalamus | Mineralization | Minimal |
| Kidney | | Cyst | |
| | | Mineralization | Minimal |
| | Renal Tubule | Regeneration | Minimal |
| Lung | | Hyperplasia | Lymphoid, Minimal |
| Lymph Node | Mesenteric | Hemorrhage | Moderate |
| Note: [ HEMORRHAGE ] TGLs = 1-5 | | | |
| Nose | Mucosa | Atrophy | Moderate |
| | Mucosa | Degeneration | Moderate |
| | Glands | Hyperplasia | Cystic, Minimal |
| | Mucosa | Pigmentation | Mild |
| Spleen | Lymph Follic | Hyperplasia | Mild |
| Stomach | Forestomach | Diverticulum | Mild |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 221 | **TRT#:** 7 | **SEX:** Male | **DAY ON TEST:** 456 |
| | **DOSE:** .3% | **DISP:** Scheduled Sacrifice | **HISTO:** 87-45124 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Cortex | Adrenal Gland - Medulla | Bone | Bone Marrow |
| Epididymis | Esophagus | Gallbladder | 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 | Prostate | Seminal Vesicle | Skeletal Muscle |
| Skin | Spleen | Stomach - Forestomach | Stomach - Glandular |
| Testes | Thymus | Thyroid Gland | Tongue |
| Trachea | Urinary Bladder | | |

**MISSING**

Mammary Gland

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Brain | Thalamus | Mineralization | Mild |
| Kidney | | Mineralization | Mild |
| | Renal Tubule | Regeneration | Minimal |
| Liver | | Hepatocellular Adenoma | |
| Note: HEPATOCLR ADEN TGLs = 1-21 | | | |
| Nose | Mucosa | Atrophy | Mild |
| | Mucosa | Degeneration | Mild |
| | Glands | Hyperplasia | Cystic, Minimal |
| | Mucosa | Pigmentation | Mild |
| Salivary Glands | | Hyperplasia | Lymphoid, Minimal |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 222 | **TRT#:** 7 | **SEX:** Male | **DAY ON TEST:** 731 |
| | **DOSE:** .3% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47178 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Medulla | Bone | Bone Marrow | Epididymis |
| Esophagus | Gallbladder | 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 |
| Pancreas | Parathyroid Gland | Pituitary Gland | Prostate |
| Salivary Glands | Seminal Vesicle | Skeletal Muscle | Skin |
| Stomach - Forestomach | Stomach - Glandular | Testes | Thyroid Gland |
| Tongue | Trachea | Urinary Bladder | |

**MISSING**

Mammary Gland

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Adrenal Gland | Cortex | Hypertrophy | Focal, Minimal |
| | Cortex | Vacuolization Cytoplasmic | Focal, Minimal |
| Brain | Thalamus | Mineralization | Moderate |
| Kidney | | Cyst | |
| | Renal Tubule | Hyperplasia | Minimal |
| | | Hyperplasia | Lymphoid, Mild |
| | | Mineralization | Minimal |
| | Renal Tubule | Regeneration | Mild |
| Lung | | Alveolar/Bronchiolar Adenoma | |
| | | Hyperplasia | Lymphoid, Minimal |
| Note: [ ALV BRON ADEN ] TGLs = 3-2-1 | | | |
| Lymph Node | Mesenteric | Hemorrhage | Mild |
| | Mesenteric | Pigmentation | Moderate |
| Note: [ HEMORRHAGE ] TGLs = 2-5 | | | |
| Note: [ PIGMENT ] TGLs = 2-5 | | | |
| Nose | Mucosa | Atrophy | Mild |
| | Mucosa | Degeneration | Mild |
| | Glands | Hyperplasia | Cystic, Mild |
| | Mucosa | Pigmentation | Moderate |

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 222 | **TRT#:** 7 | **SEX:** Male | **DAY ON TEST:** 731 |
| | **DOSE:** .3% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47178 |

**ORGAN AND ACCOUNTABLE SITE STATUS**

| | | | |
|---|---|---|---|
| Preputial Gland | | Ectasia | Moderate |
| | | Inflammation | Chronic, Mild |
| Note: [ ECTASIA ] TGLs = 1-8 | | | |
| Spleen | Lymph Follic | Hyperplasia | Mild |
| Thymus | | Hyperplasia | Lymphoid, Mild |
| PRIMARY CAUSE OF DEATH | - | | |

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 223 | **TRT#:** 7 | **SEX:** Male | **DAY ON TEST:** 731 |
| | **DOSE:** .3% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47179 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Medulla | Bone | Bone Marrow | Epididymis |
| Esophagus | Gallbladder | 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 | Pancreas | Parathyroid Gland | Pituitary Gland |
| Prostate | Salivary Glands | Seminal Vesicle | Skeletal Muscle |
| Skin | Spleen | Stomach - Forestomach | Stomach - Glandular |
| Testes | Tongue | Trachea | Urinary Bladder |

**MISSING**

Mammary Gland

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Adrenal Gland | Cortex | Hypertrophy | Focal, Minimal |
| Brain | Thalamus | Mineralization | Minimal |
| Kidney | | Cyst | |
| | | Mineralization | Minimal |
| | Renal Tubule | Regeneration | Minimal |
| Lymph Node | Mesenteric | Hemorrhage | Minimal |
| Note: [ HEMORRHAGE ] TGLs = 2-5 | | | |
| Nose | Mucosa | Atrophy | Moderate |
| | Mucosa | Degeneration | Moderate |
| | | Exudate | |
| | Glands | Hyperplasia | Cystic, Minimal |
| | Mucosa | Pigmentation | Mild |
| Preputial Gland | | Ectasia | Marked |
| | | Inflammation | Chronic, Mild |
| Note: [ ECTASIA ] TGLs = 1-21 | | | |
| Thymus | | Hyperplasia | Lymphoid, Mild |
| Thyroid Gland | Follicle | Cyst | |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 224 | **TRT#:** 7 | **SEX:** Male | **DAY ON TEST:** 457 |
| | **DOSE:** .3% | **DISP:** Scheduled Sacrifice | **HISTO:** 87-45131 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Cortex | Adrenal Gland - Medulla | Bone | Bone Marrow |
| Epididymis | Esophagus | Gallbladder | 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 | Parathyroid Gland | Pituitary Gland |
| Prostate | Salivary Glands | Seminal Vesicle | Skeletal Muscle |
| Skin | Spleen | Stomach - Glandular | Testes |
| Thymus | Thyroid Gland | Tongue | Trachea |
| Urinary Bladder | | | |

**MISSING**

Mammary Gland

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Brain | Thalamus | Mineralization | Mild |
| Kidney | | Cyst | |
| | | Mineralization | Minimal |
| Lung | | Alveolar/Bronchiolar Carcinoma | |
| | Alveolar Epith | Hyperplasia | Mild |
| | | Infiltration Cellular | Histiocyte, Moderate |
| [ Infiltration Cellular TGLS = 1-2 ] | | | |
| Lymph Node | Mediastinal | Hyperplasia | Lymphoid, Moderate |
| Nose | Mucosa | Atrophy | Moderate |
| | Mucosa | Degeneration | Moderate |
| | | Exudate | |
| | Glands | Hyperplasia | Cystic, Mild |
| | Mucosa | Pigmentation | Mild |
| Pancreas | Acinar Cell | Cytoplasmic Alteration | Moderate |
| Stomach | Forestomach | Squamous Cell Papilloma | |
| Note: PAPILLOMA SQUA TGLs = 2-21 | | | |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 224 | **TRT#:** 7 | **SEX:** Male | **DAY ON TEST:** 457 |
| | **DOSE:** .3% | **DISP:** Scheduled Sacrifice | **HISTO:** 87-45131 |

**ORGAN AND ACCOUNTABLE SITE STATUS**

Animal Note: APPARENT INFUSION ARTIFACT IN URINARY BLADDER

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 225 | **TRT#:** 7 | **SEX:** Male | **DAY ON TEST:** 731 |
| | **DOSE:** .3% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47180 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Cortex | Adrenal Gland - Medulla | Bone | Bone Marrow |
| Brain | Esophagus | Gallbladder | 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 | Pancreas |
| Parathyroid Gland | Pituitary Gland | Prostate | Salivary Glands |
| Seminal Vesicle | Skeletal Muscle | Skin | Spleen |
| Stomach - Forestomach | Stomach - Glandular | Thymus | Thyroid Gland |
| Tongue | Trachea | Urinary Bladder | |

**MISSING**

Mammary Gland

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Epididymis | | Atypia Cellular | |
| Kidney | Renal Tubule | Atrophy | Minimal |
| | | Mineralization | Minimal |
| | Renal Tubule | Regeneration | Mild |
| Nose | Mucosa | Atrophy | Moderate |
| | Mucosa | Degeneration | Moderate |
| | Glands | Hyperplasia | Cystic, Mild |
| | Mucosa | Pigmentation | Mild |
| Testes | Seminif Tub | Atrophy | Mild |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 226 | **TRT#:** 7 | **SEX:** Male | **DAY ON TEST:** 651 |
| | **DOSE:** .3% | **DISP:** Natural Death | **HISTO:** 88-46292 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

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

**MISSING**

| | | |
|---|---|---|
| Mammary Gland | Parathyroid Gland | Pituitary Gland |

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Brain | | Vacuolization Cytoplasmic | Mild |
| Heart | | Hepatocellular Carcinoma | Metastatic (Liver) |
| Kidney | Renal Tubule | Regeneration | Minimal |
| Liver | | Hepatocellular Carcinoma | |
| | Kupffer Cell | Hyperplasia | Mild |
| | Lobules | Necrosis | Mild |
| Note: [ HEPATOCLR CARC ] TGLs = 1-21 | | | |
| Lung | | Hepatocellular Carcinoma | Metastatic (Liver) |
| Note: [ HEPATOCLR CARC ] TGLs = 2-2 | | | |
| Nose | Mucosa | Atrophy | Moderate |
| | Mucosa | Degeneration | Moderate |
| | | Exudate | |
| | Glands | Hyperplasia | Cystic, Minimal |
| | Mucosa | Pigmentation | Mild |
| Pancreas | Acinar Cell | Cytoplasmic Alteration | Mild |
| Skeletal Muscle | | Inflammation | Chronic, Minimal |
| Stomach | | | |
| Note: THICKENED AREA IN FORESTOMACH; BELIEVED TO BE ARTIFACT | | | |
| Thyroid Gland | | Degeneration | Cystic, Minimal |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 226 | **TRT#:** 7 | **SEX:** Male | **DAY ON TEST:** 651 |
| | **DOSE:** .3% | **DISP:** Natural Death | **HISTO:** 88-46292 |

**ORGAN AND ACCOUNTABLE SITE STATUS**

Animal Note: EXTREMELY ANAPLASTIC WITH A MESENCHYMAL
Animal Note: APPEARANCE
Animal Note: THE PRIMARY HEPATOCLR CARC AS WELL AS THE
Animal Note: ADJACENT TO SALIVARY GL (SLIDE 8)
Animal Note: PORTION OF METASTATIC HEPATOCLR CARC IN SUBCTIS
Animal Note: METASTATIC SITES HAVE AREAS THAT ARE

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 227 | **TRT#:** 7 | **SEX:** Male | **DAY ON TEST:** 731 |
| | **DOSE:** .3% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47181 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Cortex | Adrenal Gland - Medulla | Bone | Bone Marrow |
| Epididymis | Esophagus | Gallbladder | 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 | Pancreas | Parathyroid Gland | Pituitary Gland |
| Prostate | Salivary Glands | Seminal Vesicle | Skeletal Muscle |
| Skin | Spleen | Stomach - Forestomach | Stomach - Glandular |
| Testes | Thymus | Thyroid Gland | Tongue |
| Trachea | Urinary Bladder | | |

**MISSING**

Mammary Gland

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Brain | Thalamus | Mineralization | Minimal |
| Kidney | | Mineralization | Minimal |
| | Renal Tubule | Regeneration | Minimal |
| Lung | | Alveolar/Bronchiolar Adenoma | |
| Lymph Node | Mesenteric | Hemorrhage | Moderate |
| Note: [ HEMORRHAGE ] TGLs = 1-5 | | | |
| Nose | Mucosa | Atrophy | Moderate |
| | Mucosa | Degeneration | Moderate |
| | Glands | Hyperplasia | Cystic, Minimal |
| | Mucosa | Pigmentation | Mild |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 228 | **TRT#:** 7 | **SEX:** Male | **DAY ON TEST:** 457 |
| | **DOSE:** .3% | **DISP:** Scheduled Sacrifice | **HISTO:** 87-45132 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Cortex | Adrenal Gland - Medulla | Bone | Bone Marrow |
| Epididymis | Esophagus | Gallbladder | Heart |
| Intestine Large - Cecum | Intestine Large - Colon | Intestine Large - Rectum | Intestine Small - Duodenum |
| Intestine Small - Ileum | Intestine Small - Jejunum | Islets, Pancreatic | Kidney |
| Liver | Lung | Lymph Node - Mandibular | Lymph Node - Mesenteric |
| Pancreas | Parathyroid Gland | Pituitary Gland | Prostate |
| Salivary Glands | Seminal Vesicle | Skeletal Muscle | Skin |
| Spleen | Stomach - Forestomach | Stomach - Glandular | Testes |
| Thymus | Thyroid Gland | Tongue | Trachea |
| Urinary Bladder | | | |

**MISSING**

Mammary Gland

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Brain | Thalamus | Mineralization | Mild |
| Nose | Mucosa | Atrophy | Mild |
| | Mucosa | Degeneration | Mild |
| | | Exudate | |
| | Glands | Hyperplasia | Cystic, Minimal |
| | Mucosa | Pigmentation | Mild |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 229 | **TRT#:** 7 | **SEX:** Male | **DAY ON TEST:** 730 |
| | **DOSE:** .3% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47182 |

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Cortex | Adrenal Gland - Medulla | Bone | Bone Marrow |
| Brain | Epididymis | Esophagus | Gallbladder |
| Heart | Intestine Large - Cecum | Intestine Large - Colon | Intestine Large - Rectum |
| Intestine Small - Duodenum | Intestine Small - Jejunum | Islets, Pancreatic | Liver |
| Lung | Lymph Node - Mandibular | Lymph Node - Mesenteric | Pancreas |
| Parathyroid Gland | Pituitary Gland | Prostate | Seminal Vesicle |
| Skeletal Muscle | Skin | Spleen | Stomach - Forestomach |
| Stomach - Glandular | Testes | Thymus | Thyroid Gland |
| Tongue | Trachea | Urinary Bladder | |

**MISSING**

| | |
|---|---|
| Intestine Small - Ileum | Mammary Gland |

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Kidney | | Cyst | |
| | | Hyperplasia | Lymphoid, Mild |
| | | Mineralization | Minimal |
| | Renal Tubule | Regeneration | Minimal |
| Nose | Mucosa | Atrophy | Moderate |
| | Mucosa | Degeneration | Moderate |
| | Glands | Hyperplasia | Cystic, Minimal |
| | Mucosa | Pigmentation | Mild |
| Preputial Gland | | Ectasia | Moderate |
| | | Inflammation | Chronic, Mild |
| Note: [ ECTASIA ] TGLs = 1-8 | | | |
| Salivary Glands | | Hyperplasia | Lymphoid, Minimal |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 230 | **TRT#:** 7 | **SEX:** Male | **DAY ON TEST:** 477 |
| | **DOSE:** .3% | **DISP:** Natural Death | **HISTO:** 88-45373 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Medulla | Bone | Bone Marrow | Brain |
| Epididymis | Esophagus | Gallbladder | 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 | Parathyroid Gland | Pituitary Gland |
| Prostate | Salivary Glands | Seminal Vesicle | Skeletal Muscle |
| Skin | Spleen | Stomach - Forestomach | Stomach - Glandular |
| Testes | Thymus | Thyroid Gland | Tongue |
| Trachea | Urinary Bladder | | |

**MISSING**

Mammary Gland

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Adrenal Gland | Cortex | Accessory Adrenal Cortical Nodule | |
| | Cortex | Hypertrophy | Focal, Minimal |
| Kidney | | Mineralization | Minimal |
| | Renal Tubule | Regeneration | Minimal |
| Lung | | Congestion | Moderate |
| Nose | Mucosa | Atrophy | Moderate |
| | Mucosa | Degeneration | Moderate |
| | Glands | Hyperplasia | Cystic, Mild |
| | Mucosa | Pigmentation | Mild |
| Pancreas | Acinar Cell | Cytoplasmic Alteration | Moderate |
| | | Hyperplasia | Lymphoid, Minimal |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 231 | **TRT#:** 7 | **SEX:** Male | **DAY ON TEST:** 730 |
| | **DOSE:** .3% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47183 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Medulla | Bone | Bone Marrow | Esophagus |
| Gallbladder | 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 | Prostate | Salivary Glands |
| Seminal Vesicle | Skeletal Muscle | Skin | Spleen |
| Stomach - Forestomach | Stomach - Glandular | Thymus | Thyroid Gland |
| Tongue | Trachea | Urinary Bladder | |

**MISSING**

Mammary Gland

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Adrenal Gland | Cortex | Hyperplasia | Focal, Moderate |
| | Cortex | Hypertrophy | Focal, Minimal |
| Brain | Thalamus | Mineralization | Moderate |
| Epididymis | | Atypia Cellular | |
| Kidney | Renal Tubule | Atrophy | Minimal |
| | | Mineralization | Minimal |
| | Renal Tubule | Regeneration | Minimal |
| Liver | | Inflammation | Subacute, Minimal |
| Lung | | Hemorrhage | Minimal |
| Nose | Mucosa | Atrophy | Moderate |
| | Mucosa | Degeneration | Moderate |
| | Glands | Hyperplasia | Cystic, Minimal |
| | Mucosa | Pigmentation | Mild |
| Preputial Gland | | Ectasia | Marked |
| Note: [ ECTASIA ] TGLs = 1-8 | | | |
| Testes | Seminif Tub | Atrophy | Moderate |
| Note: [ ATROPHY ] TGLs = 2-21 | | | |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 232 | **TRT#:** 7 | **SEX:** Male | **DAY ON TEST:** 730 |
| | **DOSE:** .3% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47184 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Cortex | Adrenal Gland - Medulla | Bone | Brain |
| Epididymis | Esophagus | Gallbladder | Heart |
| Intestine Large - Cecum | Intestine Large - Colon | Intestine Large - Rectum | Intestine Small - Duodenum |
| Intestine Small - Ileum | Intestine Small - Jejunum | Islets, Pancreatic | Lymph Node - Mandibular |
| Pancreas | Parathyroid Gland | Pituitary Gland | Prostate |
| Salivary Glands | Seminal Vesicle | Skeletal Muscle | Skin |
| Stomach - Forestomach | Stomach - Glandular | Tongue | Trachea |
| Urinary Bladder | | | |

**MISSING**

| | |
|---|---|
| Mammary Gland | Thymus |

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Bone Marrow | | Hypercellularity | Mild |
| Kidney | Renal Tubule | Regeneration | Minimal |
| Liver | | Hepatocellular Carcinoma | Multiple, Two |
| | Kupffer Cell | Hyperplasia | Mild |
| | | Inflammation | Subacute, Minimal |
| | Lobules | Necrosis | Marked |
| | Kupffer Cell | Pigmentation | Mild |
| Note: [ HEPATOCLR CARC ] TGLs = 1-21,2-22 | | | |
| Note: [ NECROSIS ] TGLs = 3-23 | | | |
| Lung | | Alveolar/Bronchiolar Adenoma | |
| Lymph Node | Mesenteric | Angiectasis | Moderate |
| Nose | Mucosa | Atrophy | Moderate |
| | Mucosa | Degeneration | Moderate |
| | Glands | Hyperplasia | Cystic, Mild |
| | Mucosa | Pigmentation | Mild |
| Note: CYSTIC GLANDS ARE IN MIDDLE & POSTERIOR NASAL SECTIONS | | | |
| Spleen | | Hematopoietic Cell Proliferation | Mild |
| Testes | Seminif Tub | Atrophy | Mild |
| Thyroid Gland | | Degeneration | Cystic, Minimal |

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 232 | **TRT#:** 7 | **SEX:** Male | **DAY ON TEST:** 730 |
| | **DOSE:** .3% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47184 |

**ORGAN AND ACCOUNTABLE SITE STATUS**

| | |
|---|---|
| PRIMARY CAUSE OF DEATH | - |

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 233 | **TRT#:** 7 | **SEX:** Male | **DAY ON TEST:** 457 |
| | **DOSE:** .3% | **DISP:** Scheduled Sacrifice | **HISTO:** 87-45133 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Medulla | Bone | Bone Marrow | Epididymis |
| Esophagus | Gallbladder | 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 | Pancreas | Parathyroid Gland |
| Pituitary Gland | Prostate | Salivary Glands | Seminal Vesicle |
| Skeletal Muscle | Skin | Spleen | Stomach - Forestomach |
| Testes | Thymus | Thyroid Gland | Tongue |
| Trachea | Urinary Bladder | | |

**MISSING**

Mammary Gland

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Adrenal Gland | Cortex | Hyperplasia | Focal, Minimal |
| Brain | Thalamus | Mineralization | Mild |
| Kidney | | Mineralization | Mild |
| Nose | Mucosa | Atrophy | Moderate |
| | Mucosa | Degeneration | Moderate |
| | | Exudate | |
| | Glands | Hyperplasia | Cystic, Mild |
| | Mucosa | Pigmentation | Mild |
| Stomach | Glandular | Cyst | |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 234 | **TRT#:** 7 | **SEX:** Male | **DAY ON TEST:** 730 |
| | **DOSE:** .3% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47185 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Medulla | Bone | Bone Marrow | Epididymis |
| Esophagus | Gallbladder | 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 | Pancreas | Parathyroid Gland | Pituitary Gland |
| Prostate | Salivary Glands | Seminal Vesicle | Skeletal Muscle |
| Skin | Spleen | Stomach - Forestomach | Stomach - Glandular |
| Testes | Thymus | Thyroid Gland | Tongue |
| Trachea | Urinary Bladder | | |

**MISSING**

Mammary Gland

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Adrenal Gland | Cortex | Hypertrophy | Focal, Mild |
| | Cortex | Vacuolization Cytoplasmic | Focal, Minimal |
| Blood Vessel | | Inflammation | Chronic Active, Mild |
| Note: LESIONS ARE ON SLIDES 5 AND 11 AND INVOLVE HEART & TONGUE | | | |
| Brain | Thalamus | Mineralization | Minimal |
| Kidney | Renal Tubule | Regeneration | Minimal |
| Lung | | Alveolar/Bronchiolar Adenoma | |
| Note: [ ALV BRON ADEN ] TGLs = 1-2 | | | |
| Nose | Mucosa | Atrophy | Moderate |
| | Mucosa | Degeneration | Moderate |
| | | Exudate | |
| | Glands | Hyperplasia | Cystic, Minimal |
| | Mucosa | Pigmentation | Mild |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 235 | **TRT#:** 7 | **SEX:** Male | **DAY ON TEST:** 730 |
| | **DOSE:** .3% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47186 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Medulla | Bone | Bone Marrow | Epididymis |
| Esophagus | Gallbladder | 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 | Pancreas | Parathyroid Gland |
| Pituitary Gland | Prostate | Salivary Glands | Seminal Vesicle |
| Skeletal Muscle | Skin | Spleen | Stomach - Forestomach |
| Stomach - Glandular | Testes | Thymus | Tongue |
| Trachea | Urinary Bladder | | |

**MISSING**

Mammary Gland

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Adrenal Gland | Cortex | Accessory Adrenal Cortical Nodule | |
| Brain | Thalamus | Mineralization | Mild |
| Kidney | | Mineralization | Minimal |
| | Renal Tubule | Regeneration | Minimal |
| Nose | Mucosa | Atrophy | Moderate |
| | Mucosa | Degeneration | Moderate |
| | | Exudate | |
| | Glands | Hyperplasia | Cystic, Mild |
| | Mucosa | Pigmentation | Moderate |
| Preputial Gland | | Ectasia | |
| | | Inflammation | Chronic, Mild |
| Note: [ ECTASIA ] TGLs = 1-8 | | | |
| Thyroid Gland | Follicular Cel | Adenoma | |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 236 | **TRT#:** 7 | **SEX:** Male | **DAY ON TEST:** 730 |
| | **DOSE:** .3% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47187 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Medulla | Bone | Bone Marrow | Epididymis |
| Esophagus | Gallbladder | 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 | Pancreas | Parathyroid Gland |
| Pituitary Gland | Prostate | Salivary Glands | Seminal Vesicle |
| Skeletal Muscle | Skin | Spleen | Stomach - Forestomach |
| Testes | Thyroid Gland | Tongue | Trachea |
| Urinary Bladder | | | |

**MISSING**

Mammary Gland

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Adrenal Gland | Cortex | Hypertrophy | Focal, Minimal |
| Brain | Thalamus | Mineralization | Mild |
| Kidney | | Hyperplasia | Lymphoid, Minimal |
| Nose | Mucosa | Atrophy | Moderate |
| | Mucosa | Degeneration | Moderate |
| | Glands | Hyperplasia | Cystic, Mild |
| | Mucosa | Pigmentation | Moderate |
| Stomach | Glandular | Cyst | |
| Thymus | | Cyst | |
| Tooth | | Dysplasia | Mild |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 237 | **TRT#:** 7 | **SEX:** Male | **DAY ON TEST:** 730 |
| | **DOSE:** .3% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47188 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Cortex | Adrenal Gland - Medulla | Bone | Bone Marrow |
| Epididymis | Esophagus | Gallbladder | 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 | Pancreas | Parathyroid Gland |
| Pituitary Gland | Prostate | Salivary Glands | Seminal Vesicle |
| Skeletal Muscle | Skin | Spleen | Stomach - Forestomach |
| Stomach - Glandular | Testes | Thyroid Gland | Tongue |
| Trachea | Urinary Bladder | | |

**MISSING**

| | |
|---|---|
| Mammary Gland | Thymus |

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Brain | Thalamus | Mineralization | Mild |
| Kidney | | Cyst | |
| | | Mineralization | Minimal |
| | Renal Tubule | Regeneration | Minimal |
| Lymph Node | Mesenteric | Hemorrhage | Moderate |
| Note: [ HEMORRHAGE ] TGLs = 1-5 | | | |
| Nose | Mucosa | Atrophy | Moderate |
| | Mucosa | Degeneration | Moderate |
| | Glands | Hyperplasia | Cystic, Mild |
| | Mucosa | Pigmentation | Mild |
| Note: NASAL SECTIONS | | | |
| Note: CYSTIC MUCOSAL GLANDS PRESENT IN ANTERIOR & MIDDLE | | | |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 238 | **TRT#:** 7 | **SEX:** Male | **DAY ON TEST:** 730 |
| | **DOSE:** .3% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47189 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Medulla | Bone | Bone Marrow | Epididymis |
| Esophagus | Gallbladder | 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 |
| Pancreas | Parathyroid Gland | Pituitary Gland | Prostate |
| Salivary Glands | Seminal Vesicle | Skeletal Muscle | Skin |
| Spleen | Stomach - Forestomach | Stomach - Glandular | Testes |
| Thymus | Thyroid Gland | Tongue | Trachea |
| Urinary Bladder | | | |

**MISSING**

Mammary Gland

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Adrenal Gland | Cortex | Accessory Adrenal Cortical Nodule | |
| | Capsule, Cortex | Hyperplasia | Mild |
| | Cortex | Hypertrophy | Focal, Minimal |
| Brain | Thalamus | Mineralization | Moderate |
| Kidney | | Cyst | |
| | | Mineralization | Minimal |
| | Renal Tubule | Regeneration | Minimal |
| Lung | | Alveolar/Bronchiolar Adenoma | |
| | | Hemorrhage | Mild |
| Note: [ HEMORRHAGE ] TGLs = 1-2-1 | | | |
| Lymph Node | Mesenteric | Hemorrhage | Mild |
| Nose | Mucosa | Atrophy | Moderate |
| | Mucosa | Degeneration | Moderate |
| | Glands | Hyperplasia | Cystic, Minimal |
| | Mucosa | Pigmentation | Mild |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 239 | **TRT#:** 7 | **SEX:** Male | **DAY ON TEST:** 584 |
| | **DOSE:** .3% | **DISP:** Moribund Sacrifice | **HISTO:** 88-45745 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Cortex | Adrenal Gland - Medulla | Bone | Epididymis |
| Esophagus | Gallbladder | 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 | Parathyroid Gland | Prostate | Salivary Glands |
| Seminal Vesicle | Skeletal Muscle | Testes | Trachea |
| Urinary Bladder | | | |

**MISSING**

| | |
|---|---|
| Mammary Gland | Pituitary Gland |

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Bone Marrow | | Hemangiosarcoma | |
| Brain | Thalamus | Mineralization | Mild |
| Kidney | | Casts Protein | Minimal |
| | | Glomerulosclerosis | Mild |
| | | Hyperplasia | Lymphoid, Minimal |
| Liver | | Hemangiosarcoma | |
| | | Hepatocellular Carcinoma | Multiple, Two |
| | Centrilobular | Necrosis | Marked |
| Note: [ HEPATOCLR CARC ] TGLs = 6-6 | | | |
| Note: [ HEMANGIOSARC ] TGLs = 6-6 | | | |
| Nose | Mucosa | Atrophy | Moderate |
| | Mucosa | Degeneration | Moderate |
| | Glands | Hyperplasia | Cystic, Mild |
| | Mucosa | Pigmentation | Minimal |
| Note: EPITHELIUM | | | |
| Note: DEGENERATIVE CHANGE INCLUDES CYSTIC AREAS IN OLFACTORY | | | |
| Pancreas | Acinar Cell | Cytoplasmic Alteration | Moderate |
| Skin | Subcut Tiss | Edema | Moderate |
| Note: [ EDEMA ] TGLs = 2-8 | | | |
| Spleen | Lymph Follic | Atrophy | Moderate |

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 239 | **TRT#:** 7 | **SEX:** Male | **DAY ON TEST:** 584 |
| | **DOSE:** .3% | **DISP:** Moribund Sacrifice | **HISTO:** 88-45745 |

**ORGAN AND ACCOUNTABLE SITE STATUS**

| | | | |
|---|---|---|---|
| | | Hemangiosarcoma | |
| | | Hematopoietic Cell Proliferation | Moderate |
| Note: [ HEMANGIOSARC ] TGLs = 5-21 | | | |
| Note: [ HEMA CELL PROL ] TGLs = 4-6 | | | |
| Stomach | Forestomach | Diverticulum | Moderate |
| | Glandular | Ulcer | Moderate |
| Thymus | | Depletion Cellular | Moderate |
| Thyroid Gland | | Degeneration | Cystic, Mild |
| Tongue | Epithelium | Degeneration | Ballooning, Mild |
| PRIMARY CAUSE OF DEATH | - | | |

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 240 | **TRT#:** 7 | **SEX:** Male | **DAY ON TEST:** 701 |
| | **DOSE:** .3% | **DISP:** Moribund Sacrifice | **HISTO:** 88-46923 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Medulla | Epididymis | Esophagus | Gallbladder |
| Heart | Intestine Large - Colon | Intestine Large - Rectum | Intestine Small - Duodenum |
| Intestine Small - Ileum | Intestine Small - Jejunum | Lymph Node - Mesenteric | Pancreas |
| Parathyroid Gland | Pituitary Gland | Prostate | Salivary Glands |
| Seminal Vesicle | Testes | Thyroid Gland | Tongue |
| Trachea | Urinary Bladder | | |

**MISSING**

| | |
|---|---|
| Lymph Node - Mandibular | Mammary Gland |

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Adrenal Gland | Cortex | Accessory Adrenal Cortical Nodule | |
| | Cortex | Hypertrophy | Focal, Mild |
| Bone | | Hemangiosarcoma | |
| Note: [ HEMANGIOSARC ] TGLs = 7-22 | | | |
| Bone Marrow | | Hemangiosarcoma | |
| Brain | Thalamus | Mineralization | Moderate |
| Intestine Large | Cecum | Edema | Mild |
| Islets, Pancreatic | | Hyperplasia | Minimal |
| Kidney | | Cyst | |
| | Renal Tubule | Dilatation | Minimal |
| | | Glomerulosclerosis | Minimal |
| Note: [ DILATATION ] TGLs = 5-5 | | | |
| Note: [ GLMSCLEROSIS ] TGLs = 5-5 | | | |
| Liver | | Hematopoietic Cell Proliferation | Moderate |
| Lung | | Hemorrhage | Moderate |
| Nose | Mucosa | Atrophy | Moderate |
| | Mucosa | Degeneration | Moderate |
| | Glands | Hyperplasia | Cystic, Mild |
| | Mucosa | Pigmentation | Mild |
| Preputial Gland | | Ectasia | Moderate |
| | | Inflammation | Chronic, Mild |

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 240 | **TRT#:** 7 | **SEX:** Male | **DAY ON TEST:** 701 |
| | **DOSE:** .3% | **DISP:** Moribund Sacrifice | **HISTO:** 88-46923 |

**ORGAN AND ACCOUNTABLE SITE STATUS**

| | | | |
|---|---|---|---|
| Note: [ ECTASIA ] TGLs = 2-8 | | | |
| Skeletal Muscle | | Hemangiosarcoma | |
| Note: [ HEMANGIOSARC ] TGLs = 4-21 | | | |
| Skin | Subcut Tiss | Edema | Moderate |
| Note: [ EDEMA ] TGLs = 1-8 | | | |
| Spleen | | Hematopoietic Cell Proliferation | Moderate |
| Note: [ HEMA CELL PROL ] TGLs = 6-6 | | | |
| Stomach | Glandular | Cyst | |
| | Forestomach | Diverticulum | Mild |
| Thymus | | Depletion Cellular | Moderate |
| PRIMARY CAUSE OF DEATH | - | | |

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 241 | **TRT#:** 2 | **SEX:** Female | **DAY ON TEST:** 729 |
| | **DOSE:** 0% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47120 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Cortex | Adrenal Gland - Medulla | Bone | Bone Marrow |
| Brain | Esophagus | Gallbladder | Heart |
| Intestine Large - Cecum | Intestine Large - Colon | Intestine Large - Rectum | Intestine Small - Duodenum |
| Intestine Small - Ileum | Intestine Small - Jejunum | Islets, Pancreatic | Lymph Node - Mandibular |
| Mammary Gland | Pancreas | Parathyroid Gland | Salivary Glands |
| Skeletal Muscle | Skin | Stomach - Forestomach | Stomach - Glandular |
| Thymus | Thyroid Gland | Tongue | Trachea |

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Kidney | | Casts Protein | Minimal |
| Liver | | Hepatocellular Adenoma | |
| | | Inflammation | Subacute, Minimal |
| Note: [ HEPATOCLR ADEN ] TGLs = 2-21 | | | |
| Lung | Alveolar Epith | Hyperplasia | Minimal |
| | | Hyperplasia | Lymphoid, Minimal |
| | | Infiltration Cellular | Histiocyte, Minimal |
| Lymph Node | Mesenteric | Hyperplasia | Lymphoid, Moderate |
| Nose | Mucosa | Atrophy | Minimal |
| | Mucosa | Degeneration | Minimal |
| | | Exudate | |
| | Glands | Hyperplasia | Cystic, Minimal |
| Ovary | | Inflammation | Suppurative, Minimal |
| Pituitary Gland | Pars Distalis | Hyperplasia | Minimal |
| Spleen | | Pigmentation | Hemosiderin, Moderate |
| Urinary Bladder | | Hyperplasia | Lymphoid, Minimal |
| Uterus | | Angiectasis | Mild |
| | | Hyperplasia | Cystic, Moderate |
| | Epithelium | Metaplasia | Squamous, Moderate |
| Note: [ HYPERPLASIA ] TGLs = 1-7 | | | |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 242 | **TRT#:** 2 | **SEX:** Female | **DAY ON TEST:** 656 |
| | **DOSE:** 0% | **DISP:** Moribund Sacrifice | **HISTO:** 88-46398 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Cortex | Adrenal Gland - Medulla | Bone | Esophagus |
| Gallbladder | Heart | Intestine Large - Cecum | Intestine Large - Colon |
| Intestine Large - Rectum | Intestine Small - Duodenum | Intestine Small - Ileum | Intestine Small - Jejunum |
| Islets, Pancreatic | Lung | Mammary Gland | Pancreas |
| Parathyroid Gland | Salivary Glands | Skeletal Muscle | Skin |
| Stomach - Forestomach | Stomach - Glandular | Thyroid Gland | Tongue |
| Trachea | Urinary Bladder | | |

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Bone Marrow | | Hypercellularity | Mild |
| Brain | Thalamus | Mineralization | Minimal |
| Harderian Gland | | Adenoma | |
| Kidney | | Casts Protein | Minimal |
| | | Hyperplasia | Lymphoid, Minimal |
| | Renal Tubule | Regeneration | Mild |
| Liver | | Hematopoietic Cell Proliferation | Marked |
| | | Hepatocellular Adenoma | |
| | Kupffer Cell | Hyperplasia | Marked |
| Note: [ HEPATOCLR ADEN ] TGLs = 6-21 | | | |
| Lymph Node | Mesenteric | Hematopoietic Cell Proliferation | Mild |
| | Mandibular | Hyperplasia | Plasma Cell, Mild |
| | Renal | Hyperplasia | Plasma Cell, Marked |
| Note: [ HYPERPLASIA ] TGLs = 7-22 | | | |
| Mesentery | | Inflammation | Suppurative, Marked |
| Note: [ INFLAMMATION ] TGLs = 1-7,1-10 | | | |
| Nose | Mucosa | Degeneration | Minimal |
| | Glands | Hyperplasia | Cystic, Minimal |
| Ovary | | Inflammation | Suppurative, Marked |
| Note: [ INFLAMMATION ] TGLs = 2-7,3-7 | | | |
| Pituitary Gland | Pars Distalis | Hyperplasia | Minimal |
| Spleen | | Hematopoietic Cell Proliferation | Marked |

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 242 | **TRT#:** 2 | **SEX:** Female | **DAY ON TEST:** 656 |
| | **DOSE:** 0% | **DISP:** Moribund Sacrifice | **HISTO:** 88-46398 |

**ORGAN AND ACCOUNTABLE SITE STATUS**

| | | | |
|---|---|---|---|
| Note: [ HEMA CELL PROL ] TGLs = 5-6 | | | |
| Thymus | | Depletion Cellular | Mild |
| Uterus | | Hyperplasia | Cystic, Moderate |
| | | Inflammation | Suppurative, Moderate |
| | Epithelium | Metaplasia | Squamous, Moderate |
| | | Polyp Stromal | |
| Note: [ INFLAMMATION ] TGLs = 4-7 | | | |
| Note: [ POLYP STROMAL ] TGLs = 4-7 | | | |
| Note: [ HYPERPLASIA ] TGLs = 4-7 | | | |
| PRIMARY CAUSE OF DEATH | - | | |

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 243 | **TRT#:** 2 | **SEX:** Female | **DAY ON TEST:** 656 |
| | **DOSE:** 0% | **DISP:** Natural Death | **HISTO:** 88-46399 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Cortex | Adrenal Gland - Medulla | Bone | Esophagus |
| Gallbladder | Heart | Intestine Large - Cecum | Intestine Large - Rectum |
| Intestine Small - Ileum | Islets, Pancreatic | Lung | Lymph Node - Mesenteric |
| Mammary Gland | Parathyroid Gland | Salivary Glands | Skeletal Muscle |
| Skin | Stomach - Glandular | Tongue | Trachea |
| Urinary Bladder | | | |

**MISSING**

| | |
|---|---|
| Intestine Large - Colon | Thymus |

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Bone Marrow | | Hypercellularity | Mild |
| | | Myelofibrosis | Mild |
| Brain | Thalamus | Mineralization | Mild |
| Intestine Small | Jejunum | Carcinoma | |
| | Duodenum | Dilatation | Marked |
| Note: [ CARCINOMA ] TGLs = 7-21 | | | |
| Note: [ DILATATION ] TGLs = 6-4-1 | | | |
| Kidney | | Casts Protein | Minimal |
| | Renal Tubule | Regeneration | Mild |
| Liver | | Basophilic Focus | |
| | | Hematopoietic Cell Proliferation | Minimal |
| Lymph Node | Mandibular | Hyperplasia | Plasma Cell, Moderate |
| Mesentery | | Carcinoma | Metastatic (Intestine Small) |
| Note: META CARCINOMA IS ON SLIDE 7 | | | |
| Nose | Mucosa | Degeneration | Minimal |
| Ovary | | Hemorrhage | Moderate |
| Pancreas | Acinar Cell | Cytoplasmic Alteration | Moderate |
| Pituitary Gland | Pars Distalis | Angiectasis | Minimal |
| | Pars Distalis | Hyperplasia | Minimal |
| Spleen | | Hematopoietic Cell Proliferation | Moderate |
| Stomach | Forestomach, Mucosa | Hyperplasia | Mild |

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 243 | **TRT#:** 2 | **SEX:** Female | **DAY ON TEST:** 656 |
| | **DOSE:** 0% | **DISP:** Natural Death | **HISTO:** 88-46399 |

**ORGAN AND ACCOUNTABLE SITE STATUS**

| | | | |
|---|---|---|---|
| | Forestomach | Inflammation | Subacute, Mild |
| Note: [ HYPERPLASIA ] TGLs = 8-22 | | | |
| Thyroid Gland | Follicular Cel | Hyperplasia | Minimal |
| Uterus | | Hyperplasia | Cystic, Moderate |
| Note: [ HYPERPLASIA ] TGLs = 3-7 | | | |
| PRIMARY CAUSE OF DEATH | - | | |

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 244 | **TRT#:** 2 | **SEX:** Female | **DAY ON TEST:** 722 |
| | **DOSE:** 0% | **DISP:** Natural Death | **HISTO:** 88-47058 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Cortex | Adrenal Gland - Medulla | Bone | Esophagus |
| Gallbladder | Heart | Intestine Large - Cecum | Intestine Large - Colon |
| Intestine Large - Rectum | Islets, Pancreatic | Lymph Node - Mandibular | Lymph Node - Mesenteric |
| Mammary Gland | Pancreas | Parathyroid Gland | Salivary Glands |
| Skeletal Muscle | Skin | Tongue | Trachea |

**MISSING**

Thymus

**AUTO PRECLUDES DIAG.**

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

**INSUFFICIENT TISSUE**

Stomach - Forestomach

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Bone Marrow | | Hypercellularity | Moderate |
| Brain | Thalamus | Mineralization | Minimal |
| | Glial Cell | Proliferation | Moderate |
| Note: PROLIFERATING GLIAL CELLS CONTAIN HEMOSIDERIN-LIKE PIGMENT | | | |
| Note: GLIAL CELL PROLIF. IS IN VENTRAL CEREBRUM | | | |
| Kidney | | Casts Protein | Minimal |
| | Renal Tubule | Dilatation | Mild |
| | | Inflammation | Suppurative, Moderate |
| Note: [ INFLAMMATION ] TGLs = 6-5 | | | |
| Liver | | Hematopoietic Cell Proliferation | Marked |
| Note: [ HEMA CELL PROL ] TGLs = 5-6 | | | |
| Lung | | Thrombosis | |
| Lymph Node | Lumbar | Hyperplasia | Plasma Cell, Moderate |
| | Mediastinal | Hyperplasia | Plasma Cell, Moderate |
| Note: [ HYPERPLASIA ] TGLs = 9-23 | | | |
| Nose | Mucosa | Degeneration | Minimal |
| Ovary | | Inflammation | Suppurative, Marked |

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 244 | **TRT#:** 2 | **SEX:** Female | **DAY ON TEST:** 722 |
| | **DOSE:** 0% | **DISP:** Natural Death | **HISTO:** 88-47058 |

**ORGAN AND ACCOUNTABLE SITE STATUS**

| | | | |
|---|---|---|---|
| Note: [ INFLAMMATION ] TGLs = 3-7-1,4-7 | | | |
| Pituitary Gland | Pars Distalis | Adenoma | |
| Spleen | | Hematopoietic Cell Proliferation | Marked |
| Note: [ HEMA CELL PROL ] TGLs = 2-6 | | | |
| Stomach | Glandular | Erosion | Mild |
| Note: [ EROSION ] TGLs = 7-4 | | | |
| Thyroid Gland | Follicle | Cyst | |
| Urinary Bladder | | Edema | Moderate |
| Uterus | | Inflammation | Suppurative, Mild |

PRIMARY CAUSE OF DEATH -

Animal Note: SUPPURATIVE INLAMMATION IN MESENTERY ON SLIDES 7 & 10

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 245 | **TRT#:** 2 | **SEX:** Female | **DAY ON TEST:** 729 |
| | **DOSE:** 0% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47121 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Medulla | Bone | Bone Marrow | Esophagus |
| Gallbladder | 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 | Pituitary Gland | Salivary Glands | Skin |
| Spleen | Stomach - Forestomach | Stomach - Glandular | Thyroid Gland |
| Tongue | Trachea | Urinary Bladder | |

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Adrenal Gland | Cortex | Accessory Adrenal Cortical Nodule | |
| Brain | | Inflammation | Chronic, Minimal |
| | Thalamus | Mineralization | Minimal |
| Note: CHRON. INFLAMM. CONSISTS OF PERI-VASC. LYMPHOCYTIC CUFF | | | |
| Harderian Gland | | Adenoma | |
| Note: [ ADENOMA ] TGLs = 3-9 | | | |
| Kidney | | Casts Protein | Minimal |
| | | Hyperplasia | Lymphoid, Mild |
| | Renal Tubule | Regeneration | Minimal |
| Liver | | Hepatocellular Adenoma | |
| Note: [ HEPATOCLR ADEN ] TGLs = 2-21 | | | |
| Lung | | Hyperplasia | Lymphoid, Mild |
| | | Infiltration Cellular | Histiocyte, Mild |
| Nose | Mucosa | Atrophy | Minimal |
| | Mucosa | Degeneration | Minimal |
| | Glands | Hyperplasia | Cystic, Mild |
| Ovary | | Angiectasis | Mild |
| Pancreas | | Hyperplasia | Lymphoid, Minimal |
| Skeletal Muscle | | Inflammation | Chronic, Mild |
| Note: CHRONIC INFLAMM. CONSISTS OF FOCUS OF LYMPHOCYTES | | | |
| Thymus | | Cyst | |
| | | Hyperplasia | Lymphoid, Moderate |

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 245 | **TRT#:** 2 | **SEX:** Female | **DAY ON TEST:** 729 |
| | **DOSE:** 0% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47121 |

**ORGAN AND ACCOUNTABLE SITE STATUS**

| | | |
|---|---|---|
| Uterus | Hyperplasia | Cystic, Marked |
| Note: [ HYPERPLASIA ] TGLs = 1-7 | | |
| PRIMARY CAUSE OF DEATH | - | |

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 246 | **TRT#:** 2 | **SEX:** Female | **DAY ON TEST:** 729 |
| | **DOSE:** 0% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47122 |

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Cortex | Adrenal Gland - Medulla | Bone | Esophagus |
| Gallbladder | Heart | Intestine Large - Cecum | Intestine Large - Colon |
| Intestine Large - Rectum | Intestine Small - Duodenum | Intestine Small - Ileum | Intestine Small - Jejunum |
| Lung | Lymph Node - Mandibular | Mammary Gland | Ovary |
| Pancreas | Parathyroid Gland | Pituitary Gland | Salivary Glands |
| Skeletal Muscle | Skin | Stomach - Forestomach | Stomach - Glandular |
| Thyroid Gland | Tongue | Trachea | |

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Bone Marrow | | Myelofibrosis | Mild |
| Brain | Thalamus | Mineralization | Minimal |
| Islets, Pancreatic | | Adenoma | |
| Kidney | | Hyperplasia | Lymphoid, Minimal |
| Liver | | Hepatocellular Adenoma | |
| Note: [ HEPATOCLR ADEN ] TGLs = 3-21 | | | |
| Lymph Node | Mesenteric | Hemorrhage | Mild |
| | Mesenteric | Lymphoma Malignant Mixed | |
| Note: [ HEMORRHAGE ] TGLs = 4-5 | | | |
| Nose | Mucosa | Degeneration | Minimal |
| | | Exudate | |
| | Glands | Hyperplasia | Cystic, Minimal |
| Spleen | | Lymphoma Malignant Mixed | |
| Note: [ LYMPH MAL MIXD ] TGLs = 2-6 | | | |
| Thymus | | Hyperplasia | Lymphoid, Mild |
| Urinary Bladder | | Hyperplasia | Lymphoid, Minimal |
| Uterus | | Hyperplasia | Cystic, Moderate |
| Note: [ HYPERPLASIA ] TGLs = 1-7 | | | |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 247 | **TRT#:** 2 | **SEX:** Female | **DAY ON TEST:** 729 |
| | **DOSE:** 0% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47123 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Cortex | Adrenal Gland - Medulla | Bone | Brain |
| Esophagus | Gallbladder | 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 | Mammary Gland | Pancreas |
| Pituitary Gland | Salivary Glands | Skeletal Muscle | Skin |
| Spleen | Stomach - Forestomach | Stomach - Glandular | Thymus |
| Tongue | Trachea | Urinary Bladder | |

**MISSING**

Parathyroid Gland

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Bone Marrow | | Myelofibrosis | Moderate |
| Kidney | | Casts Protein | Minimal |
| | | Hyperplasia | Lymphoid, Minimal |
| | Renal Tubule | Regeneration | Minimal |
| Nose | Mucosa | Atrophy | Minimal |
| | Mucosa | Degeneration | Minimal |
| | | Exudate | |
| | Glands | Hyperplasia | Cystic, Mild |
| Ovary | | Angiectasis | Mild |
| Thyroid Gland | Follicular Cel | Hyperplasia | Minimal |
| Uterus | | Hyperplasia | Cystic, Moderate |
| | | Polyp Stromal | |

Note: [ POLYP STROMAL ] TGLs = 2-7
Note: [ HYPERPLASIA ] TGLs = 3-7

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 248 | **TRT#:** 2 | **SEX:** Female | **DAY ON TEST:** 729 |
| | **DOSE:** 0% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47124 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Medulla | Bone | Esophagus | Gallbladder |
| Heart | Intestine Large - Cecum | Intestine Large - Colon | Intestine Large - Rectum |
| Intestine Small - Duodenum | Intestine Small - Ileum | Intestine Small - Jejunum | Islets, Pancreatic |
| Lymph Node - Mandibular | Lymph Node - Mesenteric | Mammary Gland | Ovary |
| Parathyroid Gland | Salivary Glands | Skeletal Muscle | Skin |
| Stomach - Forestomach | Thyroid Gland | Tongue | Trachea |

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Adrenal Gland | Cortex | Hyperplasia | Focal, Mild |
| Bone Marrow | | Myelofibrosis | Minimal |
| Brain | Thalamus | Mineralization | Moderate |
| Kidney | | Hyperplasia | Lymphoid, Minimal |
| Liver | | Inflammation | Subacute, Minimal |
| Lung | | Hyperplasia | Lymphoid, Mild |
| Lymph Node | Pancreatic | Lymphoma Malignant Mixed | |
| Nose | Mucosa | Atrophy | Minimal |
| | Mucosa | Degeneration | Minimal |
| Pancreas | | Necrosis | Mild |
| Pituitary Gland | Pars Distalis | Cyst | |
| | Pars Distalis | Hyperplasia | Moderate |
| Spleen | | Lymphoma Malignant Mixed | |
| Note: [ LYMPH MAL MIXD ] TGLs = 4-21 | | | |
| Stomach | Glandular | Inflammation | Chronic, Mild |
| Thymus | | Angiectasis | Mild |
| Urinary Bladder | | Hyperplasia | Lymphoid, Minimal |
| Note: INFUSION ARTIFACT IN WALL | | | |
| Uterus | | Hyperplasia | Cystic, Moderate |
| | | Polyp Stromal | |
| Note: [ HYPERPLASIA ] TGLs = 1-7,2-7 | | | |
| Note: [ POLYP STROMAL ] TGLs = 3-7 | | | |

| | |
|---|---|
| PRIMARY CAUSE OF DEATH | - |

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 249 | **TRT#:** 2 | **SEX:** Female | **DAY ON TEST:** 456 |
| | **DOSE:** 0% | **DISP:** Scheduled Sacrifice | **HISTO:** 87-45142 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Cortex | Adrenal Gland - Medulla | Bone | Bone Marrow |
| Brain | Esophagus | Gallbladder | Heart |
| Intestine Large - Cecum | Intestine Large - Colon | Intestine Large - Rectum | Intestine Small - Duodenum |
| Intestine Small - Ileum | Intestine Small - Jejunum | Islets, Pancreatic | Kidney |
| Liver | Lung | Lymph Node - Mandibular | Lymph Node - Mesenteric |
| Mammary Gland | Pancreas | Parathyroid Gland | Pituitary Gland |
| Skeletal Muscle | Skin | Spleen | Stomach - Forestomach |
| Stomach - Glandular | Thyroid Gland | Tongue | Trachea |
| Urinary Bladder | | | |

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Clitoral Gland | | Ectasia | Mild |
| | | Pigmentation | Mild |
| Note: PIGMENT TGLs = 1-8 | | | |
| Nose | Mucosa | Degeneration | Minimal |
| | Glands | Hyperplasia | Cystic, Minimal |
| Ovary | | Cyst | |
| Note: CYST TGLs = 2-7 | | | |
| Salivary Glands | | Hyperplasia | Lymphoid, Minimal |
| Thymus | | Cyst | |
| Uterus | | Hyperplasia | Cystic, Mild |
| Note: HYPERPLASIA TGLs = 3-7,4-7 | | | |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 250 | **TRT#:** 2 | **SEX:** Female | **DAY ON TEST:** 639 |
| | **DOSE:** 0% | **DISP:** Natural Death | **HISTO:** 88-46293 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Cortex | Adrenal Gland - Medulla | Bone | Brain |
| Esophagus | Gallbladder | Heart | Intestine Large - Cecum |
| Intestine Large - Colon | Intestine Large - Rectum | Intestine Small - Duodenum | Intestine Small - Ileum |
| Intestine Small - Jejunum | Islets, Pancreatic | Lung | Lymph Node - Mandibular |
| Lymph Node - Mesenteric | Mammary Gland | Pancreas | Parathyroid Gland |
| Salivary Glands | Skeletal Muscle | Skin | Stomach - Forestomach |
| Thymus | Thyroid Gland | Tongue | Trachea |
| Urinary Bladder | | | |

**MISSING**

Pituitary Gland

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Bone Marrow | | Hypercellularity | Mild |
| Kidney | | Bacterium | Mild |
| | | Casts Protein | Minimal |
| Liver | Kupffer Cell | Hyperplasia | Moderate |
| | Lobules | Necrosis | Mild |
| Lymph Node | Renal | Ectasia | Moderate |
| | Iliac | Hyperplasia | Plasma Cell, Moderate |
| | Renal | Hyperplasia | Plasma Cell, Moderate |
| Note: [ HYPERPLASIA ] TGLs = 7-21 | | | |
| Note: [ ECTASIA ] TGLs = 7-21 | | | |
| Note: [ HYPERPLASIA ] TGLs = 8-22 | | | |
| Nose | Mucosa | Degeneration | Minimal |
| Ovary | | Inflammation | Suppurative, Marked |
| Note: [ INFLAMMATION ] TGLs = 3-7,4-7 | | | |
| Spleen | | Hematopoietic Cell Proliferation | Moderate |
| Note: [ HEMA CELL PROL ] TGLs = 5-6 | | | |
| Stomach | Glandular | Erosion | Mild |
| [ Erosion TGLS = 6-4-1 ] | | | |
| Uterus | | Inflammation | Suppurative, Moderate |

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 250 | **TRT#:** 2 | **SEX:** Female | **DAY ON TEST:** 639 |
| | **DOSE:** 0% | **DISP:** Natural Death | **HISTO:** 88-46293 |

**ORGAN AND ACCOUNTABLE SITE STATUS**

Note: [ INFLAMMATION ] TGLs = 2-7

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 251 | **TRT#:** 2 | **SEX:** Female | **DAY ON TEST:** 729 |
| | **DOSE:** 0% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47125 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Cortex | Adrenal Gland - Medulla | Bone | Bone Marrow |
| Brain | Esophagus | Gallbladder | 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 | Mammary Gland | Ovary |
| Pancreas | Parathyroid Gland | Pituitary Gland | Salivary Glands |
| Skeletal Muscle | Skin | Spleen | Stomach - Forestomach |
| Stomach - Glandular | Thyroid Gland | Tongue | Trachea |

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Kidney | | Casts Protein | Minimal |
| | | Hyperplasia | Lymphoid, Mild |
| | Renal Tubule | Regeneration | Minimal |
| Lymph Node | Mesenteric | Hematopoietic Cell Proliferation | Minimal |
| Nose | Mucosa | Degeneration | Minimal |
| | | Exudate | |
| | Glands | Hyperplasia | Cystic, Mild |
| Thymus | | Angiectasis | Mild |
| Urinary Bladder | | Hyperplasia | Lymphoid, Minimal |
| Uterus | | Hyperplasia | Cystic, Marked |

Note: [ HYPERPLASIA ] TGLs = 1-7

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 252 | **TRT#:** 2 | **SEX:** Female | **DAY ON TEST:** 729 |
| | **DOSE:** 0% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47126 |

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Medulla | Bone | Bone Marrow | Brain |
| Esophagus | Gallbladder | 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 | Mammary Gland | Ovary | Pancreas |
| Parathyroid Gland | Pituitary Gland | Skeletal Muscle | Stomach - Forestomach |
| Thymus | Tongue | Trachea | |

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Adrenal Gland | Cortex | Accessory Adrenal Cortical Nodule | |
| Kidney | | Casts Protein | Minimal |
| Lung | | Hyperplasia | Lymphoid, Minimal |
| | Artery | Hypertrophy | Minimal |
| Mesentery | | Hemangioma | |
| Note: [ HEMANGIOMA ] TGLs = 2-22 | | | |
| Nose | Mucosa | Atrophy | Minimal |
| | Mucosa | Degeneration | Minimal |
| | Glands | Hyperplasia | Cystic, Minimal |
| Salivary Glands | | Hyperplasia | Lymphoid, Mild |
| Skin | | Acanthosis | Minimal |
| Note: [ ACANTHOSIS ] TGLs = 1-21 | | | |
| Spleen | | Pigmentation | Hemosiderin, Moderate |
| Stomach | Glandular | Cyst | |
| Thyroid Gland | | Ectopic Thymus | |
| Urinary Bladder | | Hyperplasia | Lymphoid, Minimal |
| Uterus | | Hyperplasia | Cystic, Mild |
| Note: [ HYPERPLASIA ] TGLs = 3-7 | | | |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 253 | **TRT#:** 2 | **SEX:** Female | **DAY ON TEST:** 729 |
| | **DOSE:** 0% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47127 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Medulla | Bone | Esophagus | Gallbladder |
| 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 | Mammary Gland |
| Pancreas | Parathyroid Gland | Salivary Glands | Skeletal Muscle |
| Skin | Stomach - Forestomach | Stomach - Glandular | Thymus |
| Tongue | Trachea | | |

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Adrenal Gland | Cortex | Accessory Adrenal Cortical Nodule | |
| Bone Marrow | | Hypercellularity | Mild |
| Brain | | Compression | |
| [ Compression TGLS = 6-1 ] | | | |
| Kidney | | Casts Protein | Mild |
| | | Hyperplasia | Lymphoid, Minimal |
| Lymph Node | Mesenteric | Hematopoietic Cell Proliferation | Mild |
| | Mesenteric | Hemorrhage | Mild |
| Nose | Mucosa | Atrophy | Minimal |
| | Mucosa | Degeneration | Minimal |
| | | Exudate | |
| | Glands | Hyperplasia | Cystic, Mild |
| Ovary | | Cyst | |
| Note: [ CYST ] TGLs = 2-7 | | | |
| Pituitary Gland | Pars Distalis | Adenoma | |
| [ Adenoma TGLS = 5-1 ] | | | |
| Spleen | | Hematopoietic Cell Proliferation | Mild |
| | Lymph Follic | Hyperplasia | Mild |
| Note: [ HYPERPLASIA ] TGLs = 4-6 | | | |
| Note: [ HEMA CELL PROL ] TGLs = 4-6 | | | |
| Thyroid Gland | Follicle | Cyst | |
| | | Ectopic Thymus | |

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 253 | **TRT#:** 2 | **SEX:** Female | **DAY ON TEST:** 729 |
| | **DOSE:** 0% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47127 |

**ORGAN AND ACCOUNTABLE SITE STATUS**

| | | | |
|---|---|---|---|
| | Follicular Cel | Hyperplasia | Moderate |
| Urinary Bladder | | Hyperplasia | Lymphoid, Minimal |
| Uterus | | Angiectasis | Minimal |
| | | Hyperplasia | Cystic, Moderate |
| Note: [ HYPERPLASIA ] TGLs = 3-7 | | | |

| | |
|---|---|
| PRIMARY CAUSE OF DEATH | - |

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 254 | **TRT#:** 2 | **SEX:** Female | **DAY ON TEST:** 541 |
| | **DOSE:** 0% | **DISP:** Natural Death | **HISTO:** 88-45649 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Cortex | Adrenal Gland - Medulla | Bone | Brain |
| Esophagus | Gallbladder | Heart | Intestine Large - Cecum |
| Intestine Large - Colon | Intestine Large - Rectum | Intestine Small - Duodenum | Intestine Small - Ileum |
| Islets, Pancreatic | Liver | Lung | Lymph Node - Mandibular |
| Lymph Node - Mesenteric | Mammary Gland | Ovary | Parathyroid Gland |
| Salivary Glands | Skeletal Muscle | Skin | Spleen |
| Stomach - Forestomach | Stomach - Glandular | Thymus | Thyroid Gland |
| Tongue | Trachea | Urinary Bladder | |

**MISSING**

Pituitary Gland

**AUTO PRECLUDES DIAG.**

Intestine Small - Jejunum

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Bone Marrow | | Myelofibrosis | Mild |
| Kidney | | Casts Protein | Minimal |
| | | Hyperplasia | Lymphoid, Minimal |
| Nose | Mucosa | Atrophy | Minimal |
| | Mucosa | Degeneration | Minimal |
| Pancreas | Acinar Cell | Cytoplasmic Alteration | Marked |
| Uterus | | Hyperplasia | Cystic, Mild |

Note: [ HYPERPLASIA ] TGLs = 1-7

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 255 | **TRT#:** 2 | **SEX:** Female | **DAY ON TEST:** 729 |
| | **DOSE:** 0% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47128 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Medulla | Bone | Esophagus | Gallbladder |
| 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 | Pancreas | Parathyroid Gland | Salivary Glands |
| Skeletal Muscle | Skin | Stomach - Forestomach | Stomach - Glandular |
| Thymus | Thyroid Gland | Tongue | Trachea |
| Urinary Bladder | | | |

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Adrenal Gland | Cortex | Accessory Adrenal Cortical Nodule | |
| Bone Marrow | | Myelofibrosis | Mild |
| Brain | Thalamus | Mineralization | Mild |
| Liver | | Mixed Cell Focus | |
| Note: [ MIXED CL FOCUS ] TGLs = 5-22 | | | |
| Nose | Mucosa | Atrophy | Minimal |
| | Mucosa | Degeneration | Minimal |
| | Glands | Hyperplasia | Cystic, Minimal |
| Ovary | | Cyst | |
| | | Pigmentation | Moderate |
| Note: [ CYST ] TGLs = 2-7 | | | |
| Pituitary Gland | Pars Distalis | Adenoma | |
| Spleen | | Pigmentation | Hemosiderin, Moderate |
| Uterus | | Hyperplasia | Cystic, Minimal |
| Note: [ HYPERPLASIA ] TGLs = 3-7 | | | |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 256 | **TRT#:** 2 | **SEX:** Female | **DAY ON TEST:** 691 |
| | **DOSE:** 0% | **DISP:** Natural Death | **HISTO:** 88-46926 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Cortex | Adrenal Gland - Medulla | Bone | Esophagus |
| Gallbladder | Heart | Intestine Large - Cecum | Intestine Large - Colon |
| Intestine Large - Rectum | Intestine Small - Duodenum | Intestine Small - Jejunum | Islets, Pancreatic |
| Lung | Mammary Gland | Nose | Pancreas |
| Parathyroid Gland | Pituitary Gland | Salivary Glands | Stomach - Forestomach |
| Thyroid Gland | Tongue | Trachea | Urinary Bladder |

**MISSING**

Intestine Small - Ileum

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Bone Marrow | | Hypercellularity | Mild |
| | | Pigmentation | Hemosiderin, Moderate |
| Brain | Thalamus | Mineralization | Mild |
| Kidney | | Glomerulosclerosis | Moderate |
| | | Inflammation | Suppurative, Mild |
| Liver | | Hematopoietic Cell Proliferation | Marked |
| Note: [ HEMA CELL PROL ] TGLs = 6-6 | | | |
| Lymph Node | Mandibular | Hyperplasia | Lymphoid, Mild |
| | Mediastinal | Hyperplasia | Plasma Cell, Marked |
| | Mesenteric | Hyperplasia | Lymphoid, Marked |
| | Renal | Hyperplasia | Plasma Cell, Marked |
| Note: [ HYPERPLASIA ] TGLs = 5-22 | | | |
| Ovary | | Inflammation | Suppurative, Marked |
| Note: [ INFLAMMATION ] TGLs = 3-7-1 | | | |
| Skeletal Muscle | | Inflammation | Chronic, Mild |
| Skin | Subcut Tiss | Edema | Mild |
| | | Inflammation | Chronic, Mild |
| Note: [ INFLAMMATION ] TGLs = 1-21 | | | |
| Spleen | | Hematopoietic Cell Proliferation | Marked |
| Note: [ HEMA CELL PROL ] TGLs = 4-6 | | | |
| Stomach | Glandular | Cyst | |

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 256 | **TRT#:** 2 | **SEX:** Female | **DAY ON TEST:** 691 |
| | **DOSE:** 0% | **DISP:** Natural Death | **HISTO:** 88-46926 |

**ORGAN AND ACCOUNTABLE SITE STATUS**

| | | |
|---|---|---|
| Thymus | Depletion Cellular | Mild |
| Uterus | Inflammation | Suppurative, Moderate |

PRIMARY CAUSE OF DEATH -

Animal Note: OF CORTEX PUSHED INTO MEDULLA
Animal Note: ARTIFACT IN CENTER OF ONE ADRENAL GLAND; PORTION

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 257 | **TRT#:** 2 | **SEX:** Female | **DAY ON TEST:** 729 |
| | **DOSE:** 0% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47129 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Cortex | Adrenal Gland - Medulla | Bone | Bone Marrow |
| Esophagus | Gallbladder | 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 | Pancreas | Salivary Glands | Skeletal Muscle |
| Spleen | Stomach - Forestomach | Stomach - Glandular | Thymus |
| Thyroid Gland | Tongue | Trachea | Urinary Bladder |
| Uterus | | | |

**MISSING**

Parathyroid Gland

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Brain | Thalamus | Mineralization | Mild |
| Kidney | | Casts Protein | Minimal |
| Lymph Node | Mesenteric | Hemorrhage | Minimal |
| Mammary Gland | | Hyperplasia | Cystic, Mild |
| Nose | Mucosa | Degeneration | Minimal |
| Ovary | | Angiectasis | Minimal |
| | | Cyst | |
| Note: [ CYST ] TGLs = 3-7 | | | |
| Pituitary Gland | Pars Distalis | Adenoma | |
| Note: [ ADENOMA ] TGLs = 4-1 | | | |
| Skin | | Acanthosis | Mild |
| | | Inflammation | Chronic, Minimal |
| Note: [ ACANTHOSIS ] TGLs = 1-21,2-22 | | | |
| Note: [ INFLAMMATION ] TGLs = 1-21,2-22 | | | |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 258 | **TRT#:** 2 | **SEX:** Female | **DAY ON TEST:** 456 |
| | **DOSE:** 0% | **DISP:** Scheduled Sacrifice | **HISTO:** 87-45143 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Medulla | Bone | Bone Marrow | Esophagus |
| Gallbladder | 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 | Mammary Gland | Ovary | Parathyroid Gland |
| Salivary Glands | Skeletal Muscle | Spleen | Stomach - Forestomach |
| Stomach - Glandular | Trachea | Urinary Bladder | |

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Adrenal Gland | Cortex | Accessory Adrenal Cortical Nodule | |
| Brain | Thalamus | Mineralization | Mild |
| Kidney | | Hyperplasia | Lymphoid, Minimal |
| Nose | Mucosa | Atrophy | Minimal |
| | Mucosa | Degeneration | Minimal |
| | Glands | Hyperplasia | Cystic, Minimal |
| Pancreas | | Hyperplasia | Lymphoid, Mild |
| Pituitary Gland | Pars Distalis | Hyperplasia | Minimal |
| Skin | | Inflammation | Chronic, Minimal |
| Note: INFLAMMATION TGLs = 1-21 | | | |
| Thymus | | Depletion Cellular | Mild |
| Thyroid Gland | | Degeneration | Cystic, Minimal |
| Tongue | | Inflammation | Chronic, Mild |
| Uterus | | Hyperplasia | Cystic, Mild |
| Note: HYPERPLASIA TGLs = 2-7 | | | |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 259 | **TRT#:** 2 | **SEX:** Female | **DAY ON TEST:** 729 |
| | **DOSE:** 0% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47130 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Cortex | Adrenal Gland - Medulla | Bone | Bone Marrow |
| Brain | Esophagus | Gallbladder | 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 - Mesenteric | Mammary Gland | Ovary |
| Parathyroid Gland | Skeletal Muscle | Skin | Stomach - Forestomach |
| Stomach - Glandular | Thymus | Thyroid Gland | Tongue |
| Trachea | | | |

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Kidney | | Casts Protein | Mild |
| | | Glomerulosclerosis | Mild |
| | Interstit Tiss | Pigmentation | Mild |
| | Renal Tubule | Regeneration | Mild |
| Lymph Node | Mandibular | Hyperplasia | Lymphoid, Moderate |
| Nose | Mucosa | Atrophy | Minimal |
| | Mucosa | Degeneration | Minimal |
| | Glands | Hyperplasia | Cystic, Minimal |
| Pancreas | | Hyperplasia | Lymphoid, Minimal |
| Pituitary Gland | Pars Distalis | Angiectasis | Mild |
| | Pars Distalis | Hyperplasia | Mild |
| Salivary Glands | | Hyperplasia | Lymphoid, Minimal |
| Spleen | | Hematopoietic Cell Proliferation | Mild |
| | Lymph Follic | Hyperplasia | Mild |
| Note: [ HEMA CELL PROL ] TGLs = 3-6 | | | |
| Note: [ HYPERPLASIA ] TGLs = 3-6 | | | |
| Urinary Bladder | | Hyperplasia | Lymphoid, Moderate |
| Uterus | | Hyperplasia | Cystic, Marked |
| | | Polyp Stromal | |
| Note: [ HYPERPLASIA ] TGLs = 1-7,2-7 | | | |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 260 | **TRT#:** 2 | **SEX:** Female | **DAY ON TEST:** 729 |
| | **DOSE:** 0% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47131 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Medulla | Bone | Brain | Esophagus |
| Gallbladder | 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 | Mammary Gland |
| Pancreas | Parathyroid Gland | Salivary Glands | Skin |
| Stomach - Forestomach | Stomach - Glandular | Tongue | Trachea |

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Adrenal Gland | Cortex | Accessory Adrenal Cortical Nodule | |
| Bone Marrow | | Lymphoma Malignant Mixed | |
| | | Myelofibrosis | Minimal |
| Kidney | | Casts Protein | Mild |
| | | Hyperplasia | Lymphoid, Moderate |
| | Renal Tubule | Regeneration | Minimal |
| Liver | | Inflammation | Subacute, Mild |
| Lymph Node | Mesenteric | Lymphoma Malignant Mixed | |
| Nose | Mucosa | Atrophy | Minimal |
| | Mucosa | Degeneration | Minimal |
| | Glands | Hyperplasia | Cystic, Minimal |
| Ovary | | Cyst | |
| | Interstit Cell | Hyperplasia | Moderate |
| Note: [ CYST ] TGLs = 1-7 | | | |
| Pituitary Gland | Pars Distalis | Hyperplasia | Moderate |
| Skeletal Muscle | | Inflammation | Chronic, Mild |
| Spleen | | Hematopoietic Cell Proliferation | Moderate |
| | | Lymphoma Malignant Mixed | |
| Note: [ HEMA CELL PROL ] TGLs = 3-6 | | | |
| Note: [ LYMPH MAL MIXD ] TGLs = 3-6 | | | |
| Thymus | | Angiectasis | Mild |
| | | Lymphoma Malignant Mixed | |
| Thyroid Gland | Follicle | Cyst | |

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 260 | **TRT#:** 2 | **SEX:** Female | **DAY ON TEST:** 729 |
| | **DOSE:** 0% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47131 |

**ORGAN AND ACCOUNTABLE SITE STATUS**

| | | | |
|---|---|---|---|
| | Follicular Cel | Hyperplasia | Minimal |
| | | Inflammation | Subacute, Minimal |
| Urinary Bladder | | Hyperplasia | Lymphoid, Minimal |
| Uterus | | Hyperplasia | Cystic, Marked |
| Note: [ HYPERPLASIA ] TGLs = 2-7 | | | |
| PRIMARY CAUSE OF DEATH | - | | |

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 261 | **TRT#:** 2 | **SEX:** Female | **DAY ON TEST:** 729 |
| | **DOSE:** 0% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47132 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Cortex | Bone | Bone Marrow | Brain |
| Esophagus | Gallbladder | Heart | Intestine Large - Cecum |
| Intestine Large - Colon | Intestine Large - Rectum | Intestine Small - Duodenum | Intestine Small - Ileum |
| Intestine Small - Jejunum | Islets, Pancreatic | Lymph Node - Mandibular | Mammary Gland |
| Ovary | Parathyroid Gland | Skeletal Muscle | Skin |
| Stomach - Glandular | Thymus | Thyroid Gland | Tongue |
| Trachea | | | |

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Adrenal Gland | Medulla | Pheochromocytoma Benign | |
| Kidney | | Casts Protein | Mild |
| Liver | | Hepatocellular Carcinoma | |
| Note: [ HEPATOCLR CARC ] TGLs = 3-21 | | | |
| Lung | | Hyperplasia | Lymphoid, Minimal |
| Lymph Node | Mesenteric | Hematopoietic Cell Proliferation | Mild |
| | Mesenteric | Hemorrhage | Mild |
| Nose | Mucosa | Atrophy | Minimal |
| | Mucosa | Degeneration | Minimal |
| Pancreas | | Atrophy | Marked |
| Pituitary Gland | Pars Distalis | Adenoma | |
| Salivary Glands | | Hyperplasia | Lymphoid, Minimal |
| Spleen | | Pigmentation | Hemosiderin, Mild |
| Stomach | Forestomach, Mucosa | Hyperplasia | Minimal |
| Note: [ HYPERPLASIA ] TGLs = 4-4-1 | | | |
| Urinary Bladder | | Hyperplasia | Lymphoid, Mild |
| Uterus | | Hyperplasia | Cystic, Moderate |
| Note: [ HYPERPLASIA ] TGLs = 1-7 | | | |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 262 | **TRT#:** 2 | **SEX:** Female | **DAY ON TEST:** 456 |
| | **DOSE:** 0% | **DISP:** Scheduled Sacrifice | **HISTO:** 87-45144 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Cortex | Adrenal Gland - Medulla | Bone | Bone Marrow |
| Brain | Esophagus | Gallbladder | 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 | Ovary |
| Pancreas | Parathyroid Gland | Pituitary Gland | Salivary Glands |
| Skeletal Muscle | Skin | Spleen | Stomach - Forestomach |
| Stomach - Glandular | Thymus | Tongue | Trachea |
| Urinary Bladder | | | |

**MISSING**

Lacrimal Gland

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Kidney | | Casts Protein | Minimal |
| | | Cyst | |
| Liver | | Hepatocellular Adenoma | |
| Note: HEPATOCLR ADEN TGLs = 4-21 | | | |
| Nose | Mucosa | Degeneration | Minimal |
| | Glands | Hyperplasia | Cystic, Minimal |
| Thyroid Gland | | Degeneration | Cystic, Minimal |
| Uterus | | Hyperplasia | Cystic, Mild |
| Note: HYPERPLASIA TGLs = 1-7,2-7 | | | |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 263 | **TRT#:** 2 | **SEX:** Female | **DAY ON TEST:** 659 |
| | **DOSE:** 0% | **DISP:** Moribund Sacrifice | **HISTO:** 88-46400 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Medulla | Bone | Esophagus | Gallbladder |
| Heart | Intestine Large - Cecum | Intestine Large - Colon | Intestine Large - Rectum |
| Intestine Small - Duodenum | Intestine Small - Ileum | Intestine Small - Jejunum | Islets, Pancreatic |
| Lung | Mammary Gland | Ovary | Parathyroid Gland |
| Pituitary Gland | Skeletal Muscle | Skin | Stomach - Forestomach |
| Thymus | Thyroid Gland | Tongue | Trachea |

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Adrenal Gland | Cortex | Accessory Adrenal Cortical Nodule | |
| Bone Marrow | | Hypercellularity | Mild |
| | | Myelofibrosis | Mild |
| Brain | Thalamus | Mineralization | Minimal |
| Kidney | | Casts Protein | Minimal |
| Liver | | Hematopoietic Cell Proliferation | Minimal |
| Lymph Node | Mesenteric | Angiectasis | Moderate |
| | Mesenteric | Hematopoietic Cell Proliferation | Mild |
| | Renal | Hematopoietic Cell Proliferation | Mild |
| | Renal | Hyperplasia | Lymphoid, Moderate |
| | Mandibular | Pigmentation | Mild |
| Note: [ HEMA CELL PROL ] TGLs = 6-21 | | | |
| Note: [ HYPERPLASIA ] TGLs = 6-21 | | | |
| [ Hematopoietic Cell Proliferation TGLS = 5-8 ] | | | |
| Nose | Mucosa | Atrophy | Minimal |
| | Mucosa | Degeneration | Minimal |
| | Glands | Hyperplasia | Cystic, Minimal |
| Pancreas | Acinar Cell | Cytoplasmic Alteration | Marked |
| Salivary Glands | | Hyperplasia | Lymphoid, Mild |
| Spleen | | Hematopoietic Cell Proliferation | Mild |
| Stomach | Glandular | Erosion | Moderate |
| Note: [ EROSION ] TGLs = 7-4-1,7-22 | | | |
| Urinary Bladder | | Hyperplasia | Lymphoid, Minimal |

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 263 | **TRT#:** 2 | **SEX:** Female | **DAY ON TEST:** 659 |
| | **DOSE:** 0% | **DISP:** Moribund Sacrifice | **HISTO:** 88-46400 |

**ORGAN AND ACCOUNTABLE SITE STATUS**

| | | |
|---|---|---|
| Uterus | Hyperplasia | Cystic, Marked |
| | Inflammation | Suppurative, Marked |

Note: [ HYPERPLASIA ] TGLs = 1-7
Note: EPITHEL. HYPERPLASIA ASSOC. W/ SUPP. INFLAMM. NOT CODED
Note: [ INFLAMMATION ] TGLs = 2-7,3-7

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 264 | **TRT#:** 2 | **SEX:** Female | **DAY ON TEST:** 544 |
| | **DOSE:** 0% | **DISP:** Moribund Sacrifice | **HISTO:** 88-45676 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Cortex | Adrenal Gland - Medulla | Bone | Bone Marrow |
| Esophagus | Gallbladder | Heart | Intestine Large - Cecum |
| Intestine Large - Colon | Intestine Large - Rectum | Intestine Small - Duodenum | Intestine Small - Ileum |
| Islets, Pancreatic | Kidney | Lung | Lymph Node - Mandibular |
| Mammary Gland | Pancreas | Parathyroid Gland | Pituitary Gland |
| Salivary Glands | Skeletal Muscle | Skin | Stomach - Forestomach |
| Stomach - Glandular | Tongue | Trachea | Urinary Bladder |

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Brain | Thalamus | Mineralization | Moderate |
| Intestine Small | Jejunum | Lymphoma Malignant Mixed | |
| Note: [ LYMPH MAL MIXD ] TGLs = 7-25 | | | |
| Liver | | Inflammation | Subacute, Mild |
| | | Lymphoma Malignant Mixed | |
| | Lobules | Necrosis | Minimal |
| Note: [ LYMPH MAL MIXD ] TGLs = 5-23,6-24 | | | |
| Lymph Node | Mediastinal | Lymphoma Malignant Mixed | |
| | Mesenteric | Lymphoma Malignant Mixed | |
| | Pancreatic | Lymphoma Malignant Mixed | |
| | Renal | Lymphoma Malignant Mixed | |
| Note: [ LYMPH MAL MIXD ] TGLs = 4-22 | | | |
| Note: [ LYMPH MAL MIXD ] TGLs = 9-2 | | | |
| [ Lymphoma Malignant Mixed TGLS = 3-21 ] | | | |
| [ Lymphoma Malignant Mixed TGLS = 8-26 ] | | | |
| Nose | Mucosa | Atrophy | Minimal |
| | Mucosa | Degeneration | Minimal |
| | Glands | Hyperplasia | Cystic, Minimal |
| Ovary | | Cyst | |
| Note: [ CYST ] TGLs = 1-7 | | | |
| Spleen | | Hematopoietic Cell Proliferation | Minimal |
| Thymus | | Lymphoma Malignant Mixed | |

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 264 | **TRT#:** 2 | **SEX:** Female | **DAY ON TEST:** 544 |
| | **DOSE:** 0% | **DISP:** Moribund Sacrifice | **HISTO:** 88-45676 |

**ORGAN AND ACCOUNTABLE SITE STATUS**

| | | |
|---|---|---|
| Thyroid Gland | Degeneration | Cystic, Minimal |
| Uterus | Hydrometra | Mild |
| | Hyperplasia | Cystic, Mild |

Note: [ HYDROMETRA ] TGLs = 2-7

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 265 | **TRT#:** 2 | **SEX:** Female | **DAY ON TEST:** 603 |
| | **DOSE:** 0% | **DISP:** Moribund Sacrifice | **HISTO:** 88-45825 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Medulla | Bone | Esophagus | Gallbladder |
| Intestine Large - Cecum | Intestine Large - Colon | Intestine Large - Rectum | Intestine Small - Duodenum |
| Intestine Small - Ileum | Intestine Small - Jejunum | Islets, Pancreatic | Lymph Node - Mandibular |
| Mammary Gland | Parathyroid Gland | Pituitary Gland | Salivary Glands |
| Skeletal Muscle | Skin | Tongue | Trachea |
| Urinary Bladder | | | |

**MISSING**

Thymus

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Adrenal Gland | Cortex | Hematopoietic Cell Proliferation | Mild |
| Blood Vessel | | Inflammation | Chronic Active, Mild |
| Note: LESION IS ON SLIDE 5 | | | |
| Bone Marrow | | Hypercellularity | Moderate |
| Brain | Thalamus | Mineralization | Mild |
| Heart | | Thrombosis | |
| Kidney | Renal Tubule | Dilatation | Mild |
| | | Inflammation | Suppurative, Marked |
| Note: [ INFLAMMATION ] TGLs = 4-5 | | | |
| Liver | | Hematopoietic Cell Proliferation | Marked |
| Lung | | Hemorrhage | Mild |
| Lymph Node | Mesenteric | Hematopoietic Cell Proliferation | Moderate |
| | Mesenteric | Hyperplasia | Plasma Cell, Moderate |
| Mesentery | | Inflammation | Suppurative, Marked |
| Note: [ INFLAMMATION ] TGLs = 2-7 | | | |
| Nose | Mucosa | Atrophy | Minimal |
| | Mucosa | Degeneration | Minimal |
| | Glands | Hyperplasia | Cystic, Minimal |
| Ovary | | Inflammation | Suppurative, Marked |
| Note: [ INFLAMMATION ] TGLs = 1-7 | | | |
| Pancreas | Acinar Cell | Cytoplasmic Alteration | Moderate |

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 265 | **TRT#:** 2 | **SEX:** Female | **DAY ON TEST:** 603 |
| | **DOSE:** 0% | **DISP:** Moribund Sacrifice | **HISTO:** 88-45825 |

**ORGAN AND ACCOUNTABLE SITE STATUS**

| | | | |
|---|---|---|---|
| Spleen | | Hematopoietic Cell Proliferation | Marked |
| Note: [ HEMA CELL PROL ] TGLs = 3-6 | | | |
| Stomach | Glandular | Edema | Mild |
| | Forestomach | Ulcer | Moderate |
| Note: EDEMA IS A LAMINA PROPRIA BENEATH SURFACE EPITHELIUM | | | |
| Thyroid Gland | Follicular Cel | Hyperplasia | Moderate |
| Uterus | | Hyperplasia | Cystic, Mild |
| | | Inflammation | Suppurative, Mild |

PRIMARY CAUSE OF DEATH -

Animal Note: INFUSION ARTIFACT IN URINARY BLADDER

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 266 | **TRT#:** 2 | **SEX:** Female | **DAY ON TEST:** 457 |
| | **DOSE:** 0% | **DISP:** Scheduled Sacrifice | **HISTO:** 87-45145 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Medulla | Bone | Bone Marrow | Esophagus |
| Gallbladder | Heart | Intestine Large - Cecum | Intestine Large - Colon |
| Intestine Large - Rectum | Intestine Small - Duodenum | Intestine Small - Ileum | Intestine Small - Jejunum |
| Islets, Pancreatic | Lung | Lymph Node - Mandibular | Lymph Node - Mesenteric |
| Mammary Gland | Pancreas | Parathyroid Gland | Salivary Glands |
| Skeletal Muscle | Skin | Spleen | Stomach - Forestomach |
| Stomach - Glandular | Thymus | Thyroid Gland | Tongue |
| Trachea | Urinary Bladder | | |

**MISSING**

Pituitary Gland

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Adrenal Gland | Cortex | Accessory Adrenal Cortical Nodule | |
| Brain | Thalamus | Mineralization | Mild |
| Kidney | | Casts Protein | Minimal |
| Liver | | Clear Cell Focus | |
| Note: CLEAR CL FOCUS TGLs = 4-21 | | | |
| Nose | Mucosa | Degeneration | Minimal |
| | Glands | Hyperplasia | Cystic, Minimal |
| Ovary | Interstit Cell | Hyperplasia | Mild |
| Note: HYPERPLASIA TGLs = 3-7 | | | |
| Uterus | | Hyperplasia | Cystic, Mild |
| Note: HYPERPLASIA TGLs = 1-7,2-7 | | | |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 267 | **TRT#:** 2 | **SEX:** Female | **DAY ON TEST:** 729 |
| | **DOSE:** 0% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47133 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Cortex | Adrenal Gland - Medulla | Bone | Esophagus |
| Gallbladder | Heart | Intestine Large - Cecum | Intestine Large - Colon |
| Intestine Large - Rectum | Intestine Small - Duodenum | Intestine Small - Ileum | Intestine Small - Jejunum |
| Islets, Pancreatic | Lymph Node - Mandibular | Lymph Node - Mesenteric | Mammary Gland |
| Ovary | Pancreas | Parathyroid Gland | Skeletal Muscle |
| Skin | Stomach - Glandular | Thyroid Gland | Tongue |
| Trachea | | | |

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Bone Marrow | | Myelofibrosis | Minimal |
| Brain | Thalamus | Mineralization | Mild |
| Kidney | | Casts Protein | Minimal |
| Liver | | Hepatocellular Adenoma | |
| | | Hepatocellular Carcinoma | |
| | | Inflammation | Subacute, Minimal |
| Note: [ HEPATOCLR CARC ] TGLs = 3-22 | | | |
| Note: [ HEPATOCLR ADEN ] TGLs = 2-21 | | | |
| Lung | | Thrombosis | |
| Nose | Mucosa | Atrophy | Minimal |
| | Mucosa | Degeneration | Minimal |
| | Glands | Hyperplasia | Cystic, Minimal |
| Pituitary Gland | Pars Distalis | Adenoma | |
| | Pars Distalis | Hyperplasia | Minimal |
| Salivary Glands | | Hyperplasia | Lymphoid, Mild |
| Spleen | | Pigmentation | Hemosiderin, Moderate |
| Stomach | Forestomach, Mucosa | Hyperplasia | Mild |
| | Forestomach | Inflammation | Subacute, Minimal |
| Note: [ HYPERPLASIA ] TGLs = 4-23 | | | |
| Thymus | | Cyst | |
| Urinary Bladder | | Hyperplasia | Lymphoid, Moderate |
| Uterus | | Hyperplasia | Cystic, Moderate |

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 267 | **TRT#:** 2 | **SEX:** Female | **DAY ON TEST:** 729 |
| | **DOSE:** 0% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47133 |

**ORGAN AND ACCOUNTABLE SITE STATUS**

Note: [ HYPERPLASIA ] TGLs = 1-7

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 268 | **TRT#:** 2 | **SEX:** Female | **DAY ON TEST:** 729 |
| | **DOSE:** 0% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47134 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Medulla | Bone | Bone Marrow | Esophagus |
| Gallbladder | 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 |
| Mammary Gland | Ovary | Pancreas | Pituitary Gland |
| Salivary Glands | Skeletal Muscle | Spleen | Stomach - Forestomach |
| Tongue | Trachea | | |

**MISSING**

Eye

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Adrenal Gland | Cortex | Accessory Adrenal Cortical Nodule | |
| Brain | Thalamus | Mineralization | Minimal |
| Kidney | | Casts Protein | Minimal |
| | | Hyperplasia | Lymphoid, Minimal |
| Lung | | Alveolar/Bronchiolar Adenoma | |
| | | Infiltration Cellular | Histiocyte, Minimal |
| Note: [ ALV BRON ADEN ] TGLs = 4-2-1 | | | |
| Nose | Mucosa | Atrophy | Minimal |
| | Mucosa | Degeneration | Minimal |
| | | Exudate | |
| | Glands | Hyperplasia | Cystic, Mild |
| Parathyroid Gland | | Hyperplasia | Mild |
| Skin | Subcut Tiss | Hemangioma | |
| Note: [ HEMANGIOMA ] TGLs = 1-21 | | | |
| Stomach | Glandular | Cyst | |
| Thymus | | Cyst | |
| Thyroid Gland | | Degeneration | Cystic, Mild |
| Urinary Bladder | | Hyperplasia | Lymphoid, Minimal |
| Uterus | | Hyperplasia | Cystic, Marked |
| Note: [ HYPERPLASIA ] TGLs = 2-7 | | | |

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 268 | **TRT#:** 2 | **SEX:** Female | **DAY ON TEST:** 729 |
| | **DOSE:** 0% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47134 |

**ORGAN AND ACCOUNTABLE SITE STATUS**

| | |
|---|---|
| PRIMARY CAUSE OF DEATH | - |

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 269 | **TRT#:** 2 | **SEX:** Female | **DAY ON TEST:** 457 |
| | **DOSE:** 0% | **DISP:** Scheduled Sacrifice | **HISTO:** 87-45146 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Medulla | Bone | Bone Marrow | Esophagus |
| Gallbladder | Heart | Intestine Large - Cecum | Intestine Large - Colon |
| Intestine Large - Rectum | Intestine Small - Duodenum | Intestine Small - Ileum | Intestine Small - Jejunum |
| Kidney | Liver | Lung | Lymph Node - Mandibular |
| Lymph Node - Mesenteric | Mammary Gland | Ovary | Pancreas |
| Pituitary Gland | Skeletal Muscle | Skin | Spleen |
| Stomach - Forestomach | Stomach - Glandular | Thymus | Tongue |
| Trachea | Urinary Bladder | | |

**MISSING**

Parathyroid Gland

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Adrenal Gland | Cortex | Inflammation | Subacute, Minimal |
| Brain | Thalamus | Mineralization | Mild |
| Islets, Pancreatic | | Hyperplasia | Moderate |
| Nose | Mucosa | Atrophy | Minimal |
| | Mucosa | Degeneration | Minimal |
| | Glands | Hyperplasia | Cystic, Minimal |
| Salivary Glands | | Hyperplasia | Lymphoid, Minimal |
| Thyroid Gland | Follicular Cel | Adenoma | |
| Uterus | | Hyperplasia | Cystic, Mild |
| Note: HYPERPLASIA TGLs = 1-7 | | | |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 270 | **TRT#:** 2 | **SEX:** Female | **DAY ON TEST:** 600 |
| | **DOSE:** 0% | **DISP:** Moribund Sacrifice | **HISTO:** 88-45826 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Cortex | Adrenal Gland - Medulla | Bone | Bone Marrow |
| Esophagus | Heart | Intestine Large - Cecum | Intestine Large - Colon |
| Intestine Large - Rectum | Intestine Small - Duodenum | Intestine Small - Ileum | Intestine Small - Jejunum |
| Islets, Pancreatic | Lung | Lymph Node - Mandibular | Lymph Node - Mesenteric |
| Pancreas | Parathyroid Gland | Pituitary Gland | Salivary Glands |
| Skeletal Muscle | Skin | Stomach - Glandular | Thyroid Gland |
| Tongue | Trachea | Urinary Bladder | |

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Brain | Thalamus | Mineralization | Mild |
| Gallbladder | | Dilatation | Mild |
| Harderian Gland | | Adenoma | |
| Kidney | Renal Tubule | Atrophy | Mild |
| | | Casts Protein | Moderate |
| | | Hyperplasia | Lymphoid, Mild |
| | Renal Tubule | Regeneration | Mild |
| Liver | | Hepatocellular Carcinoma | |
| Note: [ HEPATOCLR CARC ] TGLs = 5-21 | | | |
| Mammary Gland | | Hyperplasia | Cystic, Minimal |
| Nose | Mucosa | Atrophy | Minimal |
| | Mucosa | Degeneration | Minimal |
| | Glands | Hyperplasia | Cystic, Minimal |
| Ovary | | Angiectasis | Moderate |
| Spleen | | Hematopoietic Cell Proliferation | Mild |
| Note: [ HEMA CELL PROL ] TGLs = 4-6 | | | |
| Stomach | Forestomach | Edema | Mild |
| | Forestomach, Mucosa | Hyperplasia | Mild |
| | Forestomach | Inflammation | Subacute, Mild |
| Thymus | | Depletion Cellular | Mild |
| Tissue NOS | | Infiltration Cellular | Lymphocyte, Moderate |
| Note: [ INFILTRAT CELL ] TGLs = 1-62 | | | |

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 270 | **TRT#:** 2 | **SEX:** Female | **DAY ON TEST:** 600 |
| | **DOSE:** 0% | **DISP:** Moribund Sacrifice | **HISTO:** 88-45826 |

**ORGAN AND ACCOUNTABLE SITE STATUS**

| | | |
|---|---|---|
| Uterus | Hyperplasia | Cystic, Minimal |
| Note: [ HYPERPLASIA ] TGLs = 3-7 | | |
| Vagina | Granuloma | Marked |
| Note: [ GRANULOMA ] TGLs = 2-7 | | |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 271 | **TRT#:** 2 | **SEX:** Female | **DAY ON TEST:** 584 |
| | **DOSE:** 0% | **DISP:** Moribund Sacrifice | **HISTO:** 88-45746 |

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Cortex | Adrenal Gland - Medulla | Bone | Esophagus |
| Gallbladder | Heart | Intestine Large - Cecum | Intestine Large - Colon |
| Intestine Large - Rectum | Intestine Small - Duodenum | Intestine Small - Ileum | Intestine Small - Jejunum |
| Islets, Pancreatic | Kidney | Lung | Pancreas |
| Parathyroid Gland | Pituitary Gland | Salivary Glands | Skeletal Muscle |
| Skin | Stomach - Forestomach | Stomach - Glandular | Thymus |
| Thyroid Gland | Tongue | Trachea | Urinary Bladder |

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Bone Marrow | | Hypercellularity | Marked |
| Brain | Thalamus | Mineralization | Mild |
| Liver | | Hematopoietic Cell Proliferation | Moderate |
| Lymph Node | Mandibular | Hematopoietic Cell Proliferation | Mild |
| | Mesenteric | Hematopoietic Cell Proliferation | Mild |
| | Mesenteric | Hyperplasia | Lymphoid, Moderate |
| | Renal | Hyperplasia | Plasma Cell, Moderate |
| | Renal | Hyperplasia | Lymphoid, Moderate |
| Note: [ HYPERPLASIA ] TGLs = 3-21 | | | |
| Note: [ HYPERPLASIA ] TGLs = 3-21 | | | |
| Mammary Gland | | Hyperplasia | Cystic, Mild |
| Nose | Mucosa | Atrophy | Minimal |
| | Mucosa | Degeneration | Minimal |
| | Glands | Hyperplasia | Cystic, Minimal |
| Ovary | | Inflammation | Suppurative, Marked |
| Note: [ INFLAMMATION ] TGLs = 1-7 | | | |
| Spleen | | Hematopoietic Cell Proliferation | Moderate |
| Note: [ HEMA CELL PROL ] TGLs = 2-6 | | | |
| Uterus | | Hyperplasia | Cystic, Minimal |
| | | Inflammation | Suppurative, Minimal |
| | Epithelium | Metaplasia | Squamous, Mild |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 272 | **TRT#:** 2 | **SEX:** Female | **DAY ON TEST:** 458 |
| | **DOSE:** 0% | **DISP:** Scheduled Sacrifice | **HISTO:** 87-45182 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Cortex | Adrenal Gland - Medulla | Bone | Bone Marrow |
| Esophagus | Gallbladder | 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 | Ovary | Pancreas | Parathyroid Gland |
| Pituitary Gland | Salivary Glands | Skeletal Muscle | Skin |
| Spleen | Stomach - Forestomach | Stomach - Glandular | Thymus |
| Tongue | Trachea | Urinary Bladder | |

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Brain | Thalamus | Mineralization | Mild |
| Heart | Myocardium | Inflammation | Chronic, Minimal |
| Kidney | | Casts Protein | Mild |
| Liver | | Inflammation | Subacute, Minimal |
| | | Mineralization | Marked |
| | Lobules | Necrosis | Moderate |
| Note: NECROSIS TGLs = 2-21 | | | |
| Note: MINERALIZATION TGLs = 2-21 | | | |
| Nose | Mucosa | Atrophy | Minimal |
| | Mucosa | Degeneration | Mild |
| | Glands | Hyperplasia | Cystic, Minimal |
| Thyroid Gland | | Degeneration | Cystic, Mild |
| Uterus | | Hyperplasia | Cystic, Mild |
| Note: HYPERPLASIA TGLs = 1-7 | | | |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 273 | **TRT#:** 2 | **SEX:** Female | **DAY ON TEST:** 533 |
| | **DOSE:** 0% | **DISP:** Moribund Sacrifice | **HISTO:** 88-45650 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Cortex | Adrenal Gland - Medulla | Bone | Esophagus |
| Gallbladder | 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 |
| Mammary Gland | Pancreas | Parathyroid Gland | Pituitary Gland |
| Salivary Glands | Skeletal Muscle | Skin | Stomach - Forestomach |
| Stomach - Glandular | Thyroid Gland | Tongue | Trachea |
| Urinary Bladder | | | |

**MISSING**

Thymus

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Bone Marrow | | Hypercellularity | Moderate |
| | | Myelofibrosis | Minimal |
| Brain | Thalamus | Mineralization | Mild |
| Kidney | Renal Tubule | Atrophy | Marked |
| | | Casts Protein | Moderate |
| | Renal Tubule | Dilatation | Moderate |
| | | Glomerulosclerosis | Moderate |
| | | Hyperplasia | Lymphoid, Mild |
| | Interstit Tiss | Pigmentation | Mild |
| | Renal Tubule | Regeneration | Marked |

Note: [ GLMSCLEROSIS ] TGLs = 5-5
Note: [ DILATATION ] TGLs = 5-5
Note: LYMPHOID HYPERPLASIA HAS PLASMA CELL DIFFERENTIATION
[ Casts Protein TGLS = 5-5 ]
[ Glomerulosclerosis TGLS = 5-5 ]

| | | | |
|---|---|---|---|
| Lung | Bronchiole | Foreign Body | Minimal |

Note: FOREIGN BODY IS PLANT MATERIAL IN AIR PASSAGE

| | | | |
|---|---|---|---|
| Nose | Mucosa | Atrophy | Minimal |
| | Mucosa | Degeneration | Minimal |

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 273 | **TRT#:** 2 | **SEX:** Female | **DAY ON TEST:** 533 |
| | **DOSE:** 0% | **DISP:** Moribund Sacrifice | **HISTO:** 88-45650 |

**ORGAN AND ACCOUNTABLE SITE STATUS**

| | | | |
|---|---|---|---|
| | Glands | Hyperplasia | Cystic, Minimal |
| Ovary | Interstit Cell | Hyperplasia | Moderate |
| | | Inflammation | Suppurative, Marked |
| Note: [ HYPERPLASIA ] TGLs = 3-7 | | | |
| Note: [ INFLAMMATION ] TGLs = 2-7 | | | |
| Spleen | | Pigmentation | Hemosiderin, Moderate |
| Uterus | | Hyperplasia | Cystic, Minimal |
| | | Inflammation | Suppurative, Mild |
| | Epithelium | Metaplasia | Squamous, Mild |
| | Endometrium | Pigmentation | Moderate |
| Note: [ HYPERPLASIA ] TGLs = 4-7 | | | |
| PRIMARY CAUSE OF DEATH | - | | |

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 274 | **TRT#:** 2 | **SEX:** Female | **DAY ON TEST:** 494 |
| | **DOSE:** 0% | **DISP:** Natural Death | **HISTO:** 88-45495 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Cortex | Adrenal Gland - Medulla | Bone | Esophagus |
| Gallbladder | Intestine Large - Colon | Intestine Large - Rectum | Intestine Small - Duodenum |
| Intestine Small - Ileum | Intestine Small - Jejunum | Islets, Pancreatic | Mammary Gland |
| Parathyroid Gland | Pituitary Gland | Salivary Glands | Skeletal Muscle |
| Skin | Stomach - Glandular | Tongue | Trachea |
| Urinary Bladder | | | |

**MISSING**

| | |
|---|---|
| Intestine Large - Cecum | Ovary |

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Bone Marrow | | Lymphoma Malignant Lymphocytic | |
| Brain | Thalamus | Mineralization | Mild |
| Heart | Myocardium | Mineralization | Minimal |
| Kidney | | Casts Protein | Minimal |
| Liver | Bile Duct | Hyperplasia | Moderate |
| | | Lymphoma Malignant Lymphocytic | |
| | Kupffer Cell | Pigmentation | Mild |
| | Hepatocyte | Vacuolization Cytoplasmic | Marked |
| Note: [ LYMPH MAL LYMP ] TGLs = 6-6 | | | |
| Lung | | Lymphoma Malignant Lymphocytic | |
| Lymph Node | Bronchial | Lymphoma Malignant Lymphocytic | |
| | Mandibular | Lymphoma Malignant Lymphocytic | |
| | Mesenteric | Lymphoma Malignant Lymphocytic | |
| | Pancreatic | Lymphoma Malignant Lymphocytic | |
| Note: [ LYMPH MAL LYMP ] TGLs = 10-22 | | | |
| Note: [ LYMPH MAL LYMP ] TGLs = 8-5 | | | |
| Note: [ LYMPH MAL LYMP ] TGLs = 4-21 | | | |
| Note: [ LYMPH MAL LYMP ] TGLs = 1-8 | | | |
| Mesentery | | Lymphoma Malignant Lymphocytic | |
| Nose | Mucosa | Atrophy | Minimal |
| | Mucosa | Degeneration | Minimal |

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 274 | **TRT#:** 2 | **SEX:** Female | **DAY ON TEST:** 494 |
| | **DOSE:** 0% | **DISP:** Natural Death | **HISTO:** 88-45495 |

**ORGAN AND ACCOUNTABLE SITE STATUS**

| | | | |
|---|---|---|---|
| | | Exudate | |
| | Glands | Hyperplasia | Cystic, Minimal |
| Pancreas | | Atrophy | Marked |
| Spleen | | Lymphoma Malignant Lymphocytic | |
| Note: [ LYMPH MAL LYMP ] TGLs = 3-6 | | | |
| Stomach | Forestomach, Mucosa | Hyperplasia | Mild |
| | Forestomach | Inflammation | Subacute, Minimal |
| Note: [ HYPERPLASIA ] TGLs = 11-23 | | | |
| Thymus | | Ectopic Parathyroid Gland | |
| | | Lymphoma Malignant Lymphocytic | |
| Thyroid Gland | | Degeneration | Cystic, Mild |
| Uterus | | Hyperplasia | Cystic, Minimal |
| PRIMARY CAUSE OF DEATH | - | | |

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 275 | **TRT#:** 2 | **SEX:** Female | **DAY ON TEST:** 458 |
| | **DOSE:** 0% | **DISP:** Scheduled Sacrifice | **HISTO:** 87-45183 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Cortex | Adrenal Gland - Medulla | Bone | Bone Marrow |
| Esophagus | Gallbladder | Heart | Intestine Large - Cecum |
| Intestine Large - Colon | Intestine Large - Rectum | Intestine Small - Duodenum | Intestine Small - Ileum |
| Intestine Small - Jejunum | Lung | Lymph Node - Mandibular | Lymph Node - Mesenteric |
| Mammary Gland | Pancreas | Pituitary Gland | Salivary Glands |
| Skeletal Muscle | Skin | Spleen | Stomach - Forestomach |
| Stomach - Glandular | Thymus | Thyroid Gland | Tongue |
| Trachea | Urinary Bladder | | |

**MISSING**

Parathyroid Gland

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Brain | Thalamus | Mineralization | Mild |
| Islets, Pancreatic | | Hyperplasia | Mild |
| Kidney | | Casts Protein | Minimal |
| Liver | | Inflammation | Subacute, Minimal |
| Nose | Mucosa | Atrophy | Minimal |
| | Mucosa | Degeneration | Minimal |
| Ovary | | Cystadenoma | |
| Uterus | | Hyperplasia | Cystic, Mild |
| Note: HYPERPLASIA TGLs = 1-7 | | | |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 276 | **TRT#:** 2 | **SEX:** Female | **DAY ON TEST:** 729 |
| | **DOSE:** 0% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47135 |

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Medulla | Bone | Brain | Esophagus |
| Gallbladder | Heart | Intestine Large - Cecum | Intestine Large - Colon |
| Intestine Large - Rectum | Intestine Small - Duodenum | Intestine Small - Ileum | Intestine Small - Jejunum |
| Islets, Pancreatic | Lung | Lymph Node - Mandibular | Lymph Node - Mesenteric |
| Mammary Gland | Pancreas | Parathyroid Gland | Salivary Glands |
| Skeletal Muscle | Skin | Spleen | Stomach - Forestomach |
| Stomach - Glandular | Thymus | Tongue | Trachea |

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Adrenal Gland | Cortex | Accessory Adrenal Cortical Nodule | |
| Bone Marrow | | Myelofibrosis | Moderate |
| Kidney | | Casts Protein | Minimal |
| | | Hyperplasia | Lymphoid, Minimal |
| Liver | | Basophilic Focus | |
| | | Inflammation | Subacute, Minimal |
| Nose | Mucosa | Atrophy | Minimal |
| | Mucosa | Degeneration | Minimal |
| | | Exudate | |
| | Glands | Hyperplasia | Cystic, Mild |
| Ovary | | Angiectasis | Minimal |
| Pituitary Gland | Pars Distalis | Adenoma | |
| [ Adenoma TGLS = 1-1 ] | | | |
| Thyroid Gland | Follicular Cel | Hyperplasia | Minimal |
| Urinary Bladder | | Hyperplasia | Lymphoid, Mild |
| Uterus | | Hyperplasia | Cystic, Moderate |
| Note: [ HYPERPLASIA ] TGLs = 2-7 | | | |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 277 | **TRT#:** 2 | **SEX:** Female | **DAY ON TEST:** 729 |
| | **DOSE:** 0% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47136 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Medulla | Bone | Brain | Esophagus |
| Gallbladder | Intestine Large - Cecum | Intestine Large - Colon | Intestine Large - Rectum |
| Intestine Small - Duodenum | Intestine Small - Ileum | Intestine Small - Jejunum | Islets, Pancreatic |
| Lung | Mammary Gland | Pancreas | Parathyroid Gland |
| Salivary Glands | Skeletal Muscle | Skin | Stomach - Forestomach |
| Stomach - Glandular | Thymus | Thyroid Gland | Tongue |
| Trachea | | | |

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Adrenal Gland | Cortex | Hematopoietic Cell Proliferation | Mild |
| Blood Vessel | | Inflammation | Chronic Active, Minimal |
| Note: INFLAMMATION IS IN TONGUE ON SLIDE 11 | | | |
| Bone Marrow | | Hypercellularity | Marked |
| Heart | | Cardiomyopathy | Minimal |
| Kidney | | Glomerulosclerosis | Mild |
| | Transit Epithe | Hyperplasia | Mild |
| | | Hyperplasia | Lymphoid, Minimal |
| | | Inflammation | Suppurative, Minimal |
| | Renal Tubule | Regeneration | Moderate |
| Note: [ GLMSCLEROSIS ] TGLs = 5-5 | | | |
| Note: [ REGENERATION ] TGLs = 5-5 | | | |
| Liver | | Hematopoietic Cell Proliferation | Marked |
| | Kupffer Cell | Hyperplasia | Moderate |
| Lymph Node | Iliac | Hematopoietic Cell Proliferation | Mild |
| | Mandibular | Hematopoietic Cell Proliferation | Minimal |
| | Mesenteric | Hematopoietic Cell Proliferation | Mild |
| | Renal | Hematopoietic Cell Proliferation | Mild |
| | Iliac | Hyperplasia | Plasma Cell, Marked |
| | Mandibular | Hyperplasia | Plasma Cell, Mild |
| | Mediastinal | Hyperplasia | Plasma Cell, Marked |
| | Renal | Hyperplasia | Plasma Cell, Marked |

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 277 | **TRT#:** 2 | **SEX:** Female | **DAY ON TEST:** 729 |
| | **DOSE:** 0% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47136 |

**ORGAN AND ACCOUNTABLE SITE STATUS**

| | | | |
|---|---|---|---|
| Note: [ HYPERPLASIA ] TGLs = 6-21 | | | |
| Note: [ HYPERPLASIA ] TGLs = 7-22 | | | |
| Note: [ HEMA CELL PROL ] TGLs = 6-21 | | | |
| Note: [ HEMA CELL PROL ] TGLs = 7-22 | | | |
| Note: [ HYPERPLASIA ] TGLs = 8-2 | | | |
| Nose | Mucosa | Atrophy | Minimal |
| | Mucosa | Degeneration | Minimal |
| | | Exudate | |
| | Glands | Hyperplasia | Cystic, Minimal |
| Ovary | | Inflammation | Suppurative, Marked |
| Note: [ INFLAMMATION ] TGLs = 2-7-1,3-7-1 | | | |
| Pituitary Gland | Pars Distalis | Hyperplasia | Minimal |
| Spleen | | Hematopoietic Cell Proliferation | Marked |
| Note: [ HEMA CELL PROL ] TGLs = 4-6 | | | |
| Urinary Bladder | Mucosa | Hyperplasia | Mild |
| | | Inflammation | Chronic, Mild |
| Uterus | | Hyperplasia | Cystic, Mild |
| | | Inflammation | Suppurative, Moderate |
| | Epithelium | Metaplasia | Squamous, Mild |
| Note: [ HYPERPLASIA ] TGLs = 1-7 | | | |
| Note: [ INFLAMMATION ] TGLs = 1-7 | | | |
| PRIMARY CAUSE OF DEATH | - | | |

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 278 | **TRT#:** 2 | **SEX:** Female | **DAY ON TEST:** 458 |
| | **DOSE:** 0% | **DISP:** Scheduled Sacrifice | **HISTO:** 87-45184 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Medulla | Bone | Esophagus | Gallbladder |
| 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 | Pancreas | Parathyroid Gland |
| Pituitary Gland | Salivary Glands | Skeletal Muscle | Skin |
| Stomach - Forestomach | Stomach - Glandular | Thymus | Thyroid Gland |
| Tongue | Trachea | Urinary Bladder | |

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Adrenal Gland | Cortex | Hematopoietic Cell Proliferation | Moderate |
| Bone Marrow | | Hypercellularity | Marked |
| Brain | Thalamus | Mineralization | Mild |
| Kidney | | Casts Protein | Mild |
| | Renal Tubule | Dilatation | Mild |
| | | Hyperplasia | Lymphoid, Minimal |
| | | Inflammation | Suppurative, Minimal |
| | Renal Tubule | Regeneration | Mild |
| Note: DILATATION TGLs = 3-5 | | | |
| Liver | | Hematopoietic Cell Proliferation | Marked |
| | Kupffer Cell | Hyperplasia | Moderate |
| | Kupffer Cell | Pigmentation | Mild |
| Note: HYPERPLASIA TGLs = 7-6 | | | |
| Note: HEMA CELL PROL TGLs = 7-6 | | | |
| Lymph Node | Mesenteric | Hematopoietic Cell Proliferation | Moderate |
| | Lumbar | Hyperplasia | Plasma Cell, Marked |
| | Mediastinal | Hyperplasia | Plasma Cell, Moderate |
| | Mesenteric | Hyperplasia | Plasma Cell, Mild |
| Note: HYPERPLASIA TGLs = 6-2 | | | |
| [ Hyperplasia TGLS = 4-5 ] | | | |
| [ Hyperplasia TGLS = 4-5 ] | | | |
| [ Hyperplasia TGLS = 5-21 ] | | | |

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 278 | **TRT#:** 2 | **SEX:** Female | **DAY ON TEST:** 458 |
| | **DOSE:** 0% | **DISP:** Scheduled Sacrifice | **HISTO:** 87-45184 |

**ORGAN AND ACCOUNTABLE SITE STATUS**

| | | | |
|---|---|---|---|
| Mammary Gland | | Hyperplasia | Lobular, Minimal |
| Nose | Mucosa | Degeneration | Minimal |
| | Glands | Hyperplasia | Cystic, Minimal |
| Ovary | | Inflammation | Suppurative, Marked |
| Note: INFLAMMATION TGLs = 1-7 | | | |
| Spleen | | Hematopoietic Cell Proliferation | Marked |
| Note: HEMA CELL PROL TGLs = 2-6 | | | |
| Uterus | | Hyperplasia | Cystic, Moderate |
| | | Inflammation | Suppurative, Mild |
| Note: HYPERPLASIA TGLs = 8-7 | | | |
| PRIMARY CAUSE OF DEATH | - | | |

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 279 | **TRT#:** 2 | **SEX:** Female | **DAY ON TEST:** 633 |
| | **DOSE:** 0% | **DISP:** Moribund Sacrifice | **HISTO:** 88-46294 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Cortex | Adrenal Gland - Medulla | Bone | Esophagus |
| Gallbladder | Intestine Large - Cecum | Intestine Large - Colon | Intestine Large - Rectum |
| Intestine Small - Duodenum | Intestine Small - Ileum | Intestine Small - Jejunum | Lymph Node - Mandibular |
| Lymph Node - Mesenteric | Mammary Gland | Ovary | Pituitary Gland |
| Salivary Glands | Skeletal Muscle | Skin | Stomach - Glandular |
| Thymus | Tongue | Trachea | Urinary Bladder |

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Bone Marrow | | Hypercellularity | Moderate |
| Brain | Thalamus | Mineralization | Moderate |
| Heart | | Hepatocellular Carcinoma | Metastatic (Liver) |
| Islets, Pancreatic | | Hyperplasia | Moderate |
| Kidney | | Hepatocellular Carcinoma | Metastatic (Liver) |
| Note: [ HEPATOCLR CARC ] TGLs = 4-5,5-5 | | | |
| Liver | | Hepatocellular Carcinoma | |
| | Kupffer Cell | Hyperplasia | Mild |
| Note: [ HEPATOCLR CARC ] TGLs = 6-22 | | | |
| Lung | | Hepatocellular Carcinoma | Metastatic (Liver) |
| | | Infiltration Cellular | Histiocyte, Mild |
| Note: [ HEPATOCLR CARC ] TGLs = 7-2,8-23 | | | |
| Lymph Node | Axillary | Hepatocellular Carcinoma | Metastatic (Liver) |
| | Mediastinal | Hepatocellular Carcinoma | Metastatic (Liver) |
| Note: [ HEPATOCLR CARC ] TGLs = 1-21 | | | |
| Nose | Mucosa | Atrophy | Minimal |
| | Mucosa | Degeneration | Minimal |
| | Glands | Hyperplasia | Cystic, Minimal |
| Pancreas | Acinar Cell | Cytoplasmic Alteration | Moderate |
| Parathyroid Gland | | Cyst | |
| Spleen | Lymph Follic | Atrophy | Moderate |
| | | Hematopoietic Cell Proliferation | Moderate |
| Stomach | Forestomach, Mucosa | Hyperplasia | Mild |

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 279 | **TRT#:** 2 | **SEX:** Female | **DAY ON TEST:** 633 |
| | **DOSE:** 0% | **DISP:** Moribund Sacrifice | **HISTO:** 88-46294 |

**ORGAN AND ACCOUNTABLE SITE STATUS**

| | | | |
|---|---|---|---|
| | Forestomach | Ulcer | Mild |
| Note: [ ULCER ] TGLs = 9-4-1 | | | |
| Note: [ HYPERPLASIA ] TGLs = 9-4-1 | | | |
| Thyroid Gland | | Degeneration | Cystic, Minimal |
| Uterus | | Hyperplasia | Cystic, Minimal |
| Note: [ HYPERPLASIA ] TGLs = 3-7 | | | |
| PRIMARY CAUSE OF DEATH | - | | |

Animal Note: FOCAL AREA OF CELLS RESEMBLING GRANULOMA IN
Animal Note: ANTERIOR VAGINA; NOT CODED

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 280 | **TRT#:** 2 | **SEX:** Female | **DAY ON TEST:** 729 |
| | **DOSE:** 0% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47137 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Cortex | Adrenal Gland - Medulla | Bone | Brain |
| Esophagus | Gallbladder | Heart | Intestine Large - Cecum |
| Intestine Large - Colon | Intestine Large - Rectum | Intestine Small - Duodenum | Intestine Small - Jejunum |
| Mammary Gland | Ovary | Parathyroid Gland | Salivary Glands |
| Skeletal Muscle | Skin | Stomach - Forestomach | Stomach - Glandular |
| Tongue | Trachea | | |

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Bone Marrow | | Hypercellularity | Mild |
| | | Lymphoma Malignant Mixed | |
| Intestine Small | Ileum | Lymphoma Malignant Mixed | |
| Note: [ LYMPH MAL MIXD ] TGLs = 6-4 | | | |
| Islets, Pancreatic | | Adenoma | |
| Kidney | | Hyperplasia | Lymphoid, Mild |
| | Renal Tubule | Regeneration | Minimal |
| Liver | | Cyst | |
| | | Hematopoietic Cell Proliferation | Moderate |
| | | Hepatocellular Carcinoma | |
| Note: [ CYST ] TGLs = 10-23 | | | |
| Note: [ HEMA CELL PROL ] TGLs = 8-21 | | | |
| Note: [ HEPATOCLR CARC ] TGLs = 9-22 | | | |
| Lung | | Lymphoma Malignant Mixed | |
| Lymph Node | Mandibular | Lymphoma Malignant Mixed | |
| | Mesenteric | Lymphoma Malignant Mixed | |
| Note: [ LYMPH MAL MIXD ] TGLs = 1-8 | | | |
| Note: [ LYMPH MAL MIXD ] TGLs = 4-5 | | | |
| Nose | Mucosa | Atrophy | Minimal |
| | Mucosa | Degeneration | Minimal |
| | Glands | Hyperplasia | Cystic, Minimal |
| Note: EPITHELIUM OF HYPERPLASTIC GLANDS HAS HYALINE DEGENERATION | | | |
| Pancreas | | Lymphoma Malignant Mixed | |

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 280 | **TRT#:** 2 | **SEX:** Female | **DAY ON TEST:** 729 |
| | **DOSE:** 0% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47137 |

**ORGAN AND ACCOUNTABLE SITE STATUS**

| | | | |
|---|---|---|---|
| Pituitary Gland | Pars Distalis | Hyperplasia | Mild |
| | Pars Intermed | Hyperplasia | Mild |
| Spleen | | Hematopoietic Cell Proliferation | Moderate |
| | | Lymphoma Malignant Mixed | |
| Note: [ HEMA CELL PROL ] TGLs = 3-6 | | | |
| Note: [ LYMPH MAL MIXD ] TGLs = 3-6 | | | |
| Thymus | | Lymphoma Malignant Mixed | |
| Thyroid Gland | Follicular Cel | Hyperplasia | Minimal |
| Urinary Bladder | | Hyperplasia | Lymphoid, Mild |
| Uterus | | Hyperplasia | Cystic, Moderate |
| | | Polyp Stromal | |
| Note: [ HYPERPLASIA ] TGLs = 2-7 | | | |
| PRIMARY CAUSE OF DEATH | - | | |

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 281 | **TRT#:** 2 | **SEX:** Female | **DAY ON TEST:** 729 |
| | **DOSE:** 0% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47138 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Cortex | Adrenal Gland - Medulla | Bone | Bone Marrow |
| Brain | Esophagus | Gallbladder | Heart |
| Intestine Large - Cecum | Intestine Large - Colon | Intestine Large - Rectum | Intestine Small - Duodenum |
| Intestine Small - Ileum | Islets, Pancreatic | Lymph Node - Mandibular | Mammary Gland |
| Ovary | Pancreas | Parathyroid Gland | Pituitary Gland |
| Salivary Glands | Skin | Stomach - Forestomach | Stomach - Glandular |
| Thyroid Gland | Tongue | Trachea | Urinary Bladder |

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Intestine Small | Jejunum | Lymphoma Malignant Mixed | |
| Note: [ LYMPH MAL MIXD ] TGLs = 6-22 | | | |
| Kidney | | Casts Protein | Mild |
| Liver | | Lymphoma Malignant Mixed | |
| Note: [ LYMPH MAL MIXD ] TGLs = 8-6 | | | |
| Lung | | Infiltration Cellular | Histiocyte, Mild |
| | | Lymphoma Malignant Mixed | |
| Note: [ INFILTRAT CELL ] TGLs = 7-2 | | | |
| Note: [ LYMPH MAL MIXD ] TGLs = 7-2 | | | |
| Lymph Node | Mediastinal | Lymphoma Malignant Mixed | |
| | Mesenteric | Lymphoma Malignant Mixed | |
| Note: [ LYMPH MAL MIXD ] TGLs = 5-5 | | | |
| Nose | Mucosa | Atrophy | Minimal |
| | Mucosa | Degeneration | Minimal |
| | | Exudate | |
| | Glands | Hyperplasia | Cystic, Mild |
| Note: EPITHELIUM OF CYSTIC GLANDS HAS HYALINE CHANGE | | | |
| Note: HYALINE CHANGE NOT CODED | | | |
| Note: MUCH OF THE OLFACTORY EPITHELIUM HAS HYALINE CHANGE | | | |
| Skeletal Muscle | Sarcolem Nucli | Hyperplasia | Mild |
| Spleen | | Hematopoietic Cell Proliferation | Mild |
| | | Lymphoma Malignant Mixed | |

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 281 | **TRT#:** 2 | **SEX:** Female | **DAY ON TEST:** 729 |
| | **DOSE:** 0% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47138 |

**ORGAN AND ACCOUNTABLE SITE STATUS**

| | | |
|---|---|---|
| Note: [ HEMA CELL PROL ] TGLs = 4-6 | | |
| Note: [ LYMPH MAL MIXD ] TGLs = 4-6 | | |
| Thymus | Lymphoma Malignant Mixed | |
| Uterus | Hyperplasia | Cystic, Moderate |
| | Inflammation | Suppurative, Mild |
| | Polyp Stromal | |
| Note: [ POLYP STROMAL ] TGLs = 3-7 | | |
| Note: [ HYPERPLASIA ] TGLs = 2-7 | | |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 282 | **TRT#:** 2 | **SEX:** Female | **DAY ON TEST:** 520 |
| | **DOSE:** 0% | **DISP:** Moribund Sacrifice | **HISTO:** 88-45549 |

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Medulla | Bone | Bone Marrow | Brain |
| Esophagus | Gallbladder | Heart | Intestine Large - Cecum |
| Intestine Large - Colon | Intestine Large - Rectum | Intestine Small - Duodenum | Intestine Small - Ileum |
| Intestine Small - Jejunum | Islets, Pancreatic | Mammary Gland | Pancreas |
| Parathyroid Gland | Pituitary Gland | Salivary Glands | Skeletal Muscle |
| Skin | Stomach - Forestomach | Stomach - Glandular | Thymus |
| Thyroid Gland | Tongue | Trachea | |

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Adrenal Gland | Cortex | Accessory Adrenal Cortical Nodule | |
| Kidney | Renal Tubule | Adenoma | |
| | | Hyperplasia | Lymphoid, Moderate |
| Note: [ ADENOMA ] TGLs = 3-22 | | | |
| Liver | | Hepatocellular Carcinoma | |
| | | Hyperplasia | Lymphoid, Mild |
| Note: [ HEPATOCLR CARC ] TGLs = 2-21 | | | |
| Lung | | Congestion | Mild |
| | | Hyperplasia | Lymphoid, Mild |
| Lymph Node | Mesenteric | Hemorrhage | Mild |
| | Mandibular | Hyperplasia | Lymphoid, Mild |
| Nose | Mucosa | Atrophy | Minimal |
| | Mucosa | Degeneration | Minimal |
| | Glands | Hyperplasia | Cystic, Minimal |
| Ovary | | Angiectasis | Mild |
| Spleen | | Hematopoietic Cell Proliferation | Moderate |
| Urinary Bladder | | Hyperplasia | Lymphoid, Mild |
| Uterus | | Hyperplasia | Cystic, Mild |
| Note: [ HYPERPLASIA ] TGLs = 1-7 | | | |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 283 | **TRT#:** 2 | **SEX:** Female | **DAY ON TEST:** 614 |
| | **DOSE:** 0% | **DISP:** Natural Death | **HISTO:** 88-45984 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Cortex | Adrenal Gland - Medulla | Bone | Esophagus |
| Gallbladder | 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 |
| Skeletal Muscle | Skin | Stomach - Forestomach | Stomach - Glandular |
| Tongue | Trachea | Urinary Bladder | |

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Bone Marrow | | Hypercellularity | Mild |
| Brain | Thalamus | Mineralization | Mild |
| Kidney | | Glomerulosclerosis | Mild |
| | Renal Tubule | Regeneration | Mild |
| Liver | | Hematopoietic Cell Proliferation | Mild |
| | Kupffer Cell | Hyperplasia | Moderate |
| Lung | | Bacterium | Mild |
| | | Inflammation | Suppurative, Mild |
| Lymph Node | Mesenteric | Hematopoietic Cell Proliferation | Mild |
| | Mediastinal | Hyperplasia | Plasma Cell, Moderate |
| | Mediastinal | Inflammation | Suppurative, Moderate |
| Note: [ INFLAMMATION ] TGLs = 6-2 | | | |
| Note: [ HYPERPLASIA ] TGLs = 6-2 | | | |
| Mammary Gland | | Hyperplasia | Cystic, Minimal |
| Mesentery | | Inflammation | Suppurative, Moderate |
| Note: [ INFLAMMATION ] TGLs = 1-4,1-7,1-10 | | | |
| Nose | Mucosa | Atrophy | Minimal |
| | Mucosa | Degeneration | Minimal |
| | Glands | Hyperplasia | Cystic, Minimal |
| Ovary | | Cyst | |
| | | Inflammation | Suppurative, Marked |
| Note: [ CYST ] TGLs = 2-7 | | | |
| Note: [ INFLAMMATION ] TGLs = 3-7 | | | |

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 283 | **TRT#:** 2 | **SEX:** Female | **DAY ON TEST:** 614 |
| | **DOSE:** 0% | **DISP:** Natural Death | **HISTO:** 88-45984 |

**ORGAN AND ACCOUNTABLE SITE STATUS**

| | | | |
|---|---|---|---|
| Pancreas | | Atrophy | Moderate |
| Pituitary Gland | Pars Distalis | Hyperplasia | Minimal |
| Spleen | | Hematopoietic Cell Proliferation | Moderate |
| Note: [ HEMA CELL PROL ] TGLs = 5-6 | | | |
| Thymus | | Depletion Cellular | Moderate |
| Thyroid Gland | | Degeneration | Cystic, Minimal |
| Uterus | | Hyperplasia | Cystic, Mild |
| | Epithelium | Metaplasia | Squamous, Mild |
| Note: [ HYPERPLASIA ] TGLs = 4-7 | | | |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 284 | **TRT#:** 2 | **SEX:** Female | **DAY ON TEST:** 729 |
| | **DOSE:** 0% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47139 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Bone | Esophagus | Gallbladder | 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 | Pancreas | Parathyroid Gland | Salivary Glands |
| Skeletal Muscle | Skin | Spleen | Stomach - Forestomach |
| Stomach - Glandular | Thyroid Gland | Tongue | Trachea |

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Adrenal Gland | Cortex | Accessory Adrenal Cortical Nodule | |
| | Medulla | Hyperplasia | Minimal |
| Bone Marrow | | Myelofibrosis | Minimal |
| Brain | Thalamus | Mineralization | Mild |
| Kidney | | Casts Protein | Minimal |
| | | Hyperplasia | Lymphoid, Mild |
| Liver | | Hyperplasia | Lymphoid, Mild |
| Note: LYMPHOID HYPERPLASIA IS ON SLIDE 21 | | | |
| Lung | | Hyperplasia | Lymphoid, Minimal |
| Lymph Node | Mandibular | Hyperplasia | Lymphoid, Mild |
| Nose | Mucosa | Atrophy | Minimal |
| | Mucosa | Degeneration | Minimal |
| | Glands | Hyperplasia | Cystic, Minimal |
| Ovary | | Granulosa Cell Tumor Benign | |
| Pituitary Gland | Pars Distalis | Angiectasis | Moderate |
| | Pars Distalis | Hyperplasia | Moderate |
| Note: [ HYPERPLASIA ] TGLs = 3-1 | | | |
| [ Hyperplasia TGLS = 3-1 ] | | | |
| Thymus | | Cyst | |
| Urinary Bladder | | Hyperplasia | Lymphoid, Mild |
| Uterus | | Hyperplasia | Cystic, Moderate |
| Note: [ HYPERPLASIA ] TGLs = 1-7 | | | |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 285 | **TRT#:** 2 | **SEX:** Female | **DAY ON TEST:** 697 |
| | **DOSE:** 0% | **DISP:** Natural Death | **HISTO:** 88-46927 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Cortex | Adrenal Gland - Medulla | Bone | Esophagus |
| Gallbladder | 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 | Pituitary Gland | Salivary Glands |
| Stomach - Forestomach | Thyroid Gland | Tongue | Trachea |

**MISSING**

Thymus

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Bone Marrow | | Hypercellularity | Moderate |
| | | Pigmentation | Hemosiderin, Moderate |
| Brain | Thalamus | Mineralization | Minimal |
| Heart | | Carcinoma | Metastatic (Pancreas) |
| Kidney | | Hyperplasia | Lymphoid, Minimal |
| | Renal Tubule | Pigmentation | Moderate |
| | Renal Tubule | Regeneration | Mild |
| Liver | | Hepatocellular Carcinoma | |
| | Bile Duct | Hyperplasia | Mild |
| | Kupffer Cell | Hyperplasia | Moderate |
| | Lobules | Necrosis | Mild |
| Note: [ HEPATOCLR CARC ] TGLs = 8-25 | | | |
| Lung | | Carcinoma | Metastatic (Pancreas) |
| | | Edema | Moderate |
| | | Infiltration Cellular | Histiocyte, Mild |
| Note: [ CARCINOMA ] TGLs = 9-2 | | | |
| Lymph Node | Mediastinal | Carcinoma | Metastatic (Pancreas) |
| | Mesenteric | Carcinoma | Metastatic (Pancreas) |
| | Mesenteric | Hemorrhage | Moderate |
| Note: [ CARCINOMA ] TGLs = 10-2 | | | |
| Mesentery | | Carcinoma | Metastatic (Pancreas) |
| Note: CARCINOMA METASTASES ALSO PRESENT ON SLIDES 6, 7 & 10 | | | |

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 285 | **TRT#:** 2 | **SEX:** Female | **DAY ON TEST:** 697 |
| | **DOSE:** 0% | **DISP:** Natural Death | **HISTO:** 88-46927 |

**ORGAN AND ACCOUNTABLE SITE STATUS**

| | | | |
|---|---|---|---|
| Note: [ CARCINOMA ] TGLs = 3-21,6-23 | | | |
| Nose | Mucosa | Atrophy | Minimal |
| | Mucosa | Degeneration | Minimal |
| | Glands | Hyperplasia | Cystic, Minimal |
| Ovary | Interstit Cell | Hyperplasia | Moderate |
| Pancreas | | Carcinoma | |
| Note: CARCINOMA APPEARS TO BE OF DUCTAL ORIGIN | | | |
| Note: [ CARCINOMA ] TGLs = 5-22 | | | |
| Parathyroid Gland | | Cyst | |
| Skeletal Muscle | | Carcinoma | Metastatic (Pancreas) |
| Note: [ CARCINOMA ] TGLs = 7-24 | | | |
| Skin | Subcut Tiss | Edema | Mild |
| Note: [ EDEMA ] TGLs = 1-8 | | | |
| Spleen | | Hematopoietic Cell Proliferation | Marked |
| Note: [ HEMA CELL PROL ] TGLs = 4-6 | | | |
| Stomach | Glandular | Carcinoma | Metastatic (Pancreas) |
| Note: [ CARCINOMA ] TGLs = 12-27 | | | |
| Urinary Bladder | | Hyperplasia | Lymphoid, Minimal |
| Uterus | | Hyperplasia | Cystic, Mild |
| | | Polyp Stromal | |
| PRIMARY CAUSE OF DEATH | - | | |

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 286 | **TRT#:** 2 | **SEX:** Female | **DAY ON TEST:** 729 |
| | **DOSE:** 0% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47140 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Medulla | Bone | Bone Marrow | Brain |
| Esophagus | Gallbladder | 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 |
| Mammary Gland | Parathyroid Gland | Skin | Stomach - Forestomach |
| Thyroid Gland | Tongue | Trachea | |

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Adrenal Gland | Capsule, Cortex | Hyperplasia | Moderate |
| Kidney | Renal Tubule | Regeneration | Minimal |
| Lung | | Adenomatosis | Marked |
| | | Hyperplasia | Lymphoid, Mild |
| | | Infiltration Cellular | Histiocyte, Marked |
| | | Inflammation | Suppurative, Mild |
| Note: [ ADENOMATOSIS ] TGLs = 2-2-1 | | | |
| Lymph Node | Mesenteric | Hemorrhage | Minimal |
| Nose | Mucosa | Atrophy | Minimal |
| | Mucosa | Degeneration | Minimal |
| | | Exudate | |
| | Glands | Hyperplasia | Cystic, Minimal |
| Ovary | | Angiectasis | Mild |
| | | Cyst | |
| Pancreas | | Hyperplasia | Lymphoid, Mild |
| Pituitary Gland | Pars Distalis | Hyperplasia | Minimal |
| Salivary Glands | | Hyperplasia | Lymphoid, Minimal |
| Skeletal Muscle | | Inflammation | Chronic, Mild |
| Spleen | Red Pulp | Hyperplasia | Mild |
| Stomach | Glandular | Cyst | |
| Thymus | | Angiectasis | Moderate |
| Urinary Bladder | | Hyperplasia | Lymphoid, Minimal |
| Uterus | | Hyperplasia | Cystic, Moderate |

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 286 | **TRT#:** 2 | **SEX:** Female | **DAY ON TEST:** 729 |
| | **DOSE:** 0% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47140 |

**ORGAN AND ACCOUNTABLE SITE STATUS**

Note: [ HYPERPLASIA ] TGLs = 1-7

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 287 | **TRT#:** 2 | **SEX:** Female | **DAY ON TEST:** 725 |
| | **DOSE:** 0% | **DISP:** Moribund Sacrifice | **HISTO:** 88-47141 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Medulla | Bone | Esophagus | Gallbladder |
| Heart | Intestine Large - Cecum | Intestine Large - Colon | Intestine Large - Rectum |
| Intestine Small - Duodenum | Islets, Pancreatic | Lung | Ovary |
| Pancreas | Parathyroid Gland | Salivary Glands | Skeletal Muscle |
| Skin | Stomach - Forestomach | Thymus | Tongue |
| Trachea | | | |

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Adrenal Gland | Cortex | Accessory Adrenal Cortical Nodule | |
| Bone Marrow | | Lymphoma Malignant Mixed | |
| Brain | | Compression | |
| | Thalamus | Mineralization | Minimal |
| [ Compression TGLS = 15-1 ] | | | |
| Intestine Small | Ileum | Lymphoma Malignant Mixed | |
| | Jejunum | Lymphoma Malignant Mixed | |
| Note: [ LYMPH MAL MIXD ] TGLs = 13-30 | | | |
| Note: [ LYMPH MAL MIXD ] TGLs = 12-29 | | | |
| Kidney | Renal Tubule | Regeneration | Mild |
| Liver | | Hepatocellular Carcinoma | Multiple, Two |
| | | Inflammation | Subacute, Minimal |
| | Hepatocyte | Vacuolization Cytoplasmic | Mild |
| Note: [ HEPATOCLR CARC ] TGLs = 8-26,9-27 | | | |
| Lymph Node | Mandibular | Hyperplasia | Plasma Cell, Mild |
| | Iliac | Lymphoma Malignant Mixed | |
| | Mandibular | Lymphoma Malignant Mixed | |
| | Mediastinal | Lymphoma Malignant Mixed | |
| | Mesenteric | Lymphoma Malignant Mixed | |
| | Renal | Lymphoma Malignant Mixed | |
| Note: [ LYMPH MAL MIXD ] TGLs = 10-2 | | | |
| [ Lymphoma Malignant Mixed TGLS = 6-24 ] | | | |
| [ Lymphoma Malignant Mixed TGLS = 7-25 ] | | | |

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 287 | **TRT#:** 2 | **SEX:** Female | **DAY ON TEST:** 725 |
| | **DOSE:** 0% | **DISP:** Moribund Sacrifice | **HISTO:** 88-47141 |

**ORGAN AND ACCOUNTABLE SITE STATUS**

| | | | |
|---|---|---|---|
| [ Lymphoma Malignant Mixed TGLS = 11-28 ] | | | |
| Mammary Gland | | Hyperplasia | Cystic, Mild |
| Note: [ HYPERPLASIA ] TGLs = 1-8 | | | |
| Mesentery | | Lymphoma Malignant Mixed | |
| | Fat | Necrosis | Moderate |
| Note: [ NECROSIS ] TGLs = 2-21,4-23 | | | |
| Note: LYMPHOMA ALSO PRESENT ON SLIDE 7 | | | |
| Note: [ LYMPH MAL MIXD ] TGLs = 3-22 | | | |
| Nose | Mucosa | Atrophy | Mild |
| | Mucosa | Degeneration | Minimal |
| | Glands | Hyperplasia | Cystic, Minimal |
| Pituitary Gland | Pars Distalis | Adenoma | |
| Note: [ ADENOMA ] TGLs = 14-1 | | | |
| Spleen | | Hematopoietic Cell Proliferation | Mild |
| | | Lymphoma Malignant Mixed | |
| Note: [ HEMA CELL PROL ] TGLs = 5-6 | | | |
| Note: [ LYMPH MAL MIXD ] TGLs = 5-6 | | | |
| Stomach | Glandular | Cyst | |
| Thyroid Gland | Follicle | Cyst | |
| | Follicular Cel | Hyperplasia | Moderate |
| Urinary Bladder | Mucosa | Hyperplasia | Mild |
| Uterus | | Hyperplasia | Cystic, Mild |
| PRIMARY CAUSE OF DEATH | - | | |

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 288 | **TRT#:** 2 | **SEX:** Female | **DAY ON TEST:** 729 |
| | **DOSE:** 0% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47142 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Medulla | Bone | Bone Marrow | Esophagus |
| Gallbladder | 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 | Mammary Gland |
| Parathyroid Gland | Pituitary Gland | Salivary Glands | Skeletal Muscle |
| Skin | Stomach - Forestomach | Thymus | Thyroid Gland |
| Tongue | Trachea | | |

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Adrenal Gland | Cortex | Accessory Adrenal Cortical Nodule | |
| Brain | Thalamus | Mineralization | Minimal |
| Kidney | | Casts Protein | Minimal |
| Liver | | Inflammation | Subacute, Minimal |
| | Lobules | Necrosis | Minimal |
| Lymph Node | Mesenteric | Hematopoietic Cell Proliferation | Mild |
| Nose | Mucosa | Atrophy | Minimal |
| | Mucosa | Degeneration | Minimal |
| | | Exudate | |
| | Glands | Hyperplasia | Cystic, Mild |
| Ovary | | Cyst | |
| | | Inflammation | Suppurative, Marked |
| Note: [ INFLAMMATION ] TGLs = 1-7 | | | |
| Note: [ CYST ] TGLs = 2-7 | | | |
| Pancreas | | Atrophy | Mild |
| Note: ATROPHY IS ON SLIDE 4 | | | |
| Spleen | Red Pulp | Hyperplasia | Mild |
| Note: [ HYPERPLASIA ] TGLs = 3-6 | | | |
| Stomach | Glandular | Cyst | |
| Urinary Bladder | | Hyperplasia | Lymphoid, Mild |
| Uterus | | Hyperplasia | Cystic, Mild |
| Note: [ HYPERPLASIA ] TGLs = 4-7 | | | |

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 288 | **TRT#:** 2 | **SEX:** Female | **DAY ON TEST:** 729 |
| | **DOSE:** 0% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47142 |

**ORGAN AND ACCOUNTABLE SITE STATUS**

| | |
|---|---|
| PRIMARY CAUSE OF DEATH | - |

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 289 | **TRT#:** 2 | **SEX:** Female | **DAY ON TEST:** 729 |
| | **DOSE:** 0% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47143 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Medulla | Bone | Brain | Esophagus |
| Gallbladder | Heart | Intestine Large - Cecum | Intestine Large - Rectum |
| Intestine Small - Duodenum | Intestine Small - Ileum | Intestine Small - Jejunum | Islets, Pancreatic |
| Liver | Lung | Lymph Node - Mandibular | Lymph Node - Mesenteric |
| Mammary Gland | Ovary | Pancreas | Parathyroid Gland |
| Pituitary Gland | Salivary Glands | Skeletal Muscle | Skin |
| Stomach - Forestomach | Stomach - Glandular | Thymus | Thyroid Gland |
| Tongue | Trachea | Urinary Bladder | |

**MISSING**

Intestine Large - Colon

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Adrenal Gland | Cortex | Accessory Adrenal Cortical Nodule | |
| Bone Marrow | | Pigmentation | Hemosiderin, Moderate |
| Kidney | | Casts Protein | Minimal |
| | | Hyperplasia | Lymphoid, Marked |
| | Renal Tubule | Regeneration | Minimal |
| [ Casts Protein TGLS = 5-22 ] | | | |
| Nose | Mucosa | Atrophy | Minimal |
| | Mucosa | Degeneration | Minimal |
| | Glands | Hyperplasia | Cystic, Minimal |
| Spleen | | Hyperplasia | Reticulum Cell, Minimal |
| | | Pigmentation | Hemosiderin, Moderate |
| Uterus | | Hyperplasia | Cystic, Marked |
| | | Polyp Stromal | |

Note: [ HYPERPLASIA ] TGLs = 1-7
Note: [ POLYP STROMAL ] TGLs = 2-7-1

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 290 | **TRT#:** 2 | **SEX:** Female | **DAY ON TEST:** 729 |
| | **DOSE:** 0% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47144 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Cortex | Adrenal Gland - Medulla | Bone | Brain |
| Esophagus | Gallbladder | 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 |
| Pancreas | Parathyroid Gland | Skin | Stomach - Forestomach |
| Tongue | Trachea | | |

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Bone Marrow | | Hypercellularity | Mild |
| | | Myelofibrosis | Minimal |
| Kidney | | Casts Protein | Minimal |
| | | Hyperplasia | Lymphoid, Moderate |
| Liver | | Basophilic Focus | |
| | | Hematopoietic Cell Proliferation | Minimal |
| | | Hyperplasia | Focal, Mild |
| Note: BASOPHILIC FOCUS ALSO PRESENT ON SLIDE 6 | | | |
| Note: [ BASOPH FOCUS ] TGLs = 4-21 | | | |
| Lung | | Hyperplasia | Lymphoid, Moderate |
| Lymph Node | Mandibular | Hyperplasia | Lymphoid, Mild |
| | Mandibular | Hyperplasia | Plasma Cell, Mild |
| Nose | Mucosa | Atrophy | Minimal |
| | Mucosa | Degeneration | Minimal |
| Ovary | | Cyst | |
| | | Inflammation | Suppurative, Moderate |
| Note: [ INFLAMMATION ] TGLs = 1-7 | | | |
| Note: [ CYST ] TGLs = 1-7 | | | |
| Pituitary Gland | Pars Distalis | Hyperplasia | Minimal |
| Salivary Glands | | Hyperplasia | Lymphoid, Mild |
| Skeletal Muscle | | Inflammation | Chronic, Minimal |
| Spleen | | Hematopoietic Cell Proliferation | Mild |
| | Lymph Follic | Hyperplasia | Moderate |

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 290 | **TRT#:** 2 | **SEX:** Female | **DAY ON TEST:** 729 |
| | **DOSE:** 0% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47144 |

**ORGAN AND ACCOUNTABLE SITE STATUS**

| | | | |
|---|---|---|---|
| Note: [ HYPERPLASIA ] TGLs = 3-6 | | | |
| Note: [ HEMA CELL PROL ] TGLs = 3-6 | | | |
| Stomach | Glandular | Inflammation | Chronic, Mild |
| Thymus | | Hyperplasia | Lymphoid, Moderate |
| Thyroid Gland | Follicular Cel | Adenoma | |
| Urinary Bladder | | Hyperplasia | Lymphoid, Minimal |
| Uterus | | Hyperplasia | Cystic, Moderate |
| | | Inflammation | Suppurative, Mild |
| | Epithelium | Metaplasia | Squamous, Mild |
| Note: [ HYPERPLASIA ] TGLs = 2-7 | | | |
| PRIMARY CAUSE OF DEATH | - | | |

Animal Note: TO OVARY
Animal Note: LYMPHOID HYPERPLASIA IN MESENTERY , SLIDE 7 ADJACENT

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 291 | **TRT#:** 2 | **SEX:** Female | **DAY ON TEST:** 533 |
| | **DOSE:** 0% | **DISP:** Moribund Sacrifice | **HISTO:** 88-45651 |

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Cortex | Adrenal Gland - Medulla | Bone | Esophagus |
| Gallbladder | Heart | Intestine Large - Cecum | Intestine Large - Colon |
| Intestine Large - Rectum | Intestine Small - Duodenum | Intestine Small - Ileum | Intestine Small - Jejunum |
| Liver | Lung | Lymph Node - Mandibular | Lymph Node - Mesenteric |
| Mammary Gland | Nose | Pancreas | Parathyroid Gland |
| Pituitary Gland | Skeletal Muscle | Skin | Spleen |
| Stomach - Forestomach | Stomach - Glandular | Thyroid Gland | Tongue |
| Trachea | Urinary Bladder | | |

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Bone Marrow | | Myelofibrosis | Mild |
| Brain | Thalamus | Mineralization | Mild |
| Islets, Pancreatic | | Adenoma | |
| Kidney | | Casts Protein | Minimal |
| | | Cyst | |
| | | Hyperplasia | Lymphoid, Mild |
| Ovary | | Angiectasis | Mild |
| Salivary Glands | | Hyperplasia | Lymphoid, Mild |
| Thymus | | Depletion Cellular | Mild |
| Uterus | | Hyperplasia | Cystic, Moderate |
| Note: [ HYPERPLASIA ] TGLs = 1-7 | | | |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 292 | **TRT#:** 2 | **SEX:** Female | **DAY ON TEST:** 729 |
| | **DOSE:** 0% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47145 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Cortex | Adrenal Gland - Medulla | Bone | Bone Marrow |
| Esophagus | Gallbladder | Heart | Intestine Large - Cecum |
| Intestine Large - Colon | Intestine Large - Rectum | Intestine Small - Duodenum | Intestine Small - Ileum |
| Intestine Small - Jejunum | Lung | Mammary Gland | Ovary |
| Pancreas | Parathyroid Gland | Salivary Glands | Skin |
| Stomach - Glandular | Thymus | Tongue | Trachea |
| Urinary Bladder | | | |

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Brain | | Compression | |
| | | Hydrocephalus | Moderate |
| | Thalamus | Mineralization | Minimal |
| [ Mineralization TGLS = 4-1-1 ] | | | |
| Islets, Pancreatic | | Hyperplasia | Minimal |
| Kidney | | Casts Protein | Mild |
| | Renal Tubule | Dilatation | Moderate |
| | | Hyperplasia | Lymphoid, Moderate |
| Liver | Hepatocyte | Cytomegaly | Moderate |
| | | Inflammation | Subacute, Moderate |
| | Hepatocyte | Karyomegaly | Moderate |
| | Lobules | Necrosis | Minimal |
| Lymph Node | Mesenteric | Angiectasis | Mild |
| | Mandibular | Hyperplasia | Plasma Cell, Mild |
| Nose | Mucosa | Atrophy | Minimal |
| | Mucosa | Degeneration | Minimal |
| Pituitary Gland | Pars Distalis | Adenoma | |
| Note: [ ADENOMA ] TGLs = 3-1 | | | |
| Skeletal Muscle | | Inflammation | Chronic, Minimal |
| Spleen | | Hematopoietic Cell Proliferation | Mild |
| | Red Pulp | Hyperplasia | Moderate |
| | | Pigmentation | Hemosiderin, Moderate |

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 292 | **TRT#:** 2 | **SEX:** Female | **DAY ON TEST:** 729 |
| | **DOSE:** 0% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47145 |

**ORGAN AND ACCOUNTABLE SITE STATUS**

| | | | |
|---|---|---|---|
| Note: [ HYPERPLASIA ] TGLs = 1-6 | | | |
| Note: [ HEMA CELL PROL ] TGLs = 1-6 | | | |
| Stomach | Forestomach, Mucosa | Hyperplasia | Mild |
| Thyroid Gland | Follicular Cel | Hyperplasia | Marked |
| Note: [ HYPERPLASIA ] TGLs = 2-3 | | | |
| Uterus | | Hyperplasia | Cystic, Mild |
| PRIMARY CAUSE OF DEATH | - | | |

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 293 | **TRT#:** 2 | **SEX:** Female | **DAY ON TEST:** 729 |
| | **DOSE:** 0% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47146 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Cortex | Adrenal Gland - Medulla | Bone | Bone Marrow |
| Esophagus | Gallbladder | 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 | Mammary Gland | Ovary |
| Pancreas | Parathyroid Gland | Salivary Glands | Skeletal Muscle |
| Skin | Spleen | Stomach - Forestomach | Stomach - Glandular |
| Tongue | Trachea | Urinary Bladder | |

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Brain | Thalamus | Mineralization | Moderate |
| Kidney | Renal Tubule | Regeneration | Minimal |
| Nose | Mucosa | Atrophy | Minimal |
| | Mucosa | Degeneration | Minimal |
| | | Exudate | |
| | Glands | Hyperplasia | Cystic, Mild |
| Pituitary Gland | Pars Distalis | Angiectasis | Mild |
| | Pars Distalis | Hyperplasia | Mild |
| Thymus | | Thymoma Benign | |
| Note: [ THYMOMA BGN ] TGLs = 2-2 | | | |
| Thyroid Gland | | Degeneration | Cystic, Mild |
| Uterus | | Hyperplasia | Cystic, Mild |
| | | Inflammation | Suppurative, Mild |
| Note: [ INFLAMMATION ] TGLs = 1-7 | | | |
| Note: [ HYPERPLASIA ] TGLs = 1-7 | | | |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 294 | **TRT#:** 2 | **SEX:** Female | **DAY ON TEST:** 729 |
| | **DOSE:** 0% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47147 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Medulla | Bone | Bone Marrow | Esophagus |
| Gallbladder | 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 | Ovary | Parathyroid Gland | Salivary Glands |
| Skeletal Muscle | Skin | Spleen | Stomach - Forestomach |
| Stomach - Glandular | Tongue | Trachea | |

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Adrenal Gland | Cortex | Accessory Adrenal Cortical Nodule | |
| Brain | Thalamus | Mineralization | Moderate |
| Kidney | | Hyperplasia | Lymphoid, Minimal |
| | Renal Tubule | Regeneration | Minimal |
| Liver | | Basophilic Focus | |
| | | Clear Cell Focus | |
| | | Inflammation | Subacute, Minimal |
| Note: [ BASOPH FOCUS ] TGLs = 2-21 | | | |
| Nose | Mucosa | Atrophy | Minimal |
| | Mucosa | Degeneration | Minimal |
| | Glands | Hyperplasia | Cystic, Minimal |
| Pancreas | Acinar Cell | Cytoplasmic Alteration | Marked |
| Pituitary Gland | Pars Distalis | Hyperplasia | Minimal |
| Thymus | | Cyst | |
| | | Depletion Cellular | Mild |
| | | Ectopic Parathyroid Gland | |
| Thyroid Gland | Follicle | Cyst | |
| | | Degeneration | Cystic, Minimal |
| Urinary Bladder | | Hyperplasia | Lymphoid, Minimal |
| Uterus | | Hyperplasia | Cystic, Mild |
| Note: [ HYPERPLASIA ] TGLs = 1-7 | | | |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 295 | **TRT#:** 2 | **SEX:** Female | **DAY ON TEST:** 458 |
| | **DOSE:** 0% | **DISP:** Scheduled Sacrifice | **HISTO:** 87-45185 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Cortex | Adrenal Gland - Medulla | Bone | Bone Marrow |
| Esophagus | Gallbladder | Heart | Intestine Large - Cecum |
| Intestine Large - Colon | Intestine Large - Rectum | Intestine Small - Duodenum | Intestine Small - Ileum |
| Intestine Small - Jejunum | Liver | Lung | Lymph Node - Mandibular |
| Lymph Node - Mesenteric | Mammary Gland | Ovary | Pancreas |
| Parathyroid Gland | Skeletal Muscle | Skin | Spleen |
| Stomach - Forestomach | Stomach - Glandular | Thyroid Gland | Tongue |
| Trachea | Urinary Bladder | | |

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Brain | Thalamus | Mineralization | Mild |
| Islets, Pancreatic | | Hyperplasia | Mild |
| Kidney | | Casts Protein | Minimal |
| | Renal Tubule | Dilatation | Minimal |
| | | Hyperplasia | Lymphoid, Minimal |
| Nose | Mucosa | Degeneration | Minimal |
| | Glands | Hyperplasia | Cystic, Minimal |
| Pituitary Gland | Pars Distalis | Hyperplasia | Minimal |
| Salivary Glands | | Hyperplasia | Lymphoid, Minimal |
| Thymus | | Cyst | |
| Uterus | | Hyperplasia | Cystic, Minimal |
| Note: HYPERPLASIA TGLs = 2-7,3-7 | | | |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 296 | **TRT#:** 2 | **SEX:** Female | **DAY ON TEST:** 729 |
| | **DOSE:** 0% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47148 |

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Cortex | Adrenal Gland - Medulla | Bone | Brain |
| Esophagus | Gallbladder | 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 | Ovary | Pancreas |
| Parathyroid Gland | Pituitary Gland | Salivary Glands | Skeletal Muscle |
| Skin | Stomach - Forestomach | Stomach - Glandular | Thymus |
| Thyroid Gland | Tongue | Trachea | Urinary Bladder |

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Bone Marrow | | Myelofibrosis | Minimal |
| Kidney | | Casts Protein | Minimal |
| | | Glomerulosclerosis | Minimal |
| | Renal Tubule | Regeneration | Mild |
| Liver | | Hepatocellular Adenoma | Multiple, Two |
| | | Hepatocellular Carcinoma | |
| | | Hyperplasia | Focal, Mild |
| Note: [ HEPATOCLR CARC ] TGLs = 4-21 | | | |
| Note: [ HEPATOCLR ADEN ] TGLs = 5-22,6-23 | | | |
| Note: [ HYPERPLASIA ] TGLs = 7-24 | | | |
| Nose | Mucosa | Atrophy | Minimal |
| | Mucosa | Degeneration | Minimal |
| | | Exudate | |
| | Glands | Hyperplasia | Cystic, Minimal |
| Spleen | | Hematopoietic Cell Proliferation | Moderate |
| Note: [ HEMA CELL PROL ] TGLs = 3-6 | | | |
| Uterus | | Hyperplasia | Cystic, Moderate |
| Note: [ HYPERPLASIA ] TGLs = 2-7 | | | |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 297 | **TRT#:** 2 | **SEX:** Female | **DAY ON TEST:** 675 |
| | **DOSE:** 0% | **DISP:** Natural Death | **HISTO:** 88-46928 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Cortex | Adrenal Gland - Medulla | Bone | Brain |
| Esophagus | Intestine Large - Cecum | Intestine Large - Colon | Intestine Large - Rectum |
| Intestine Small - Duodenum | Intestine Small - Ileum | Intestine Small - Jejunum | Islets, Pancreatic |
| Lung | Lymph Node - Mandibular | Lymph Node - Mesenteric | Mammary Gland |
| Ovary | Parathyroid Gland | Salivary Glands | Skin |
| Stomach - Forestomach | Tongue | Trachea | |

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Bone Marrow | | Hypercellularity | Moderate |
| Gallbladder | | Dilatation | Moderate |
| Heart | Myocardium | Inflammation | Chronic, Minimal |
| Kidney | | Glomerulosclerosis | Minimal |
| | | Hyperplasia | Lymphoid, Minimal |
| Liver | | Hepatocellular Carcinoma | Five, Multiple |
| Note: [ HEPATOCLR CARC ] TGLs = 4-21,5-22,6-23,7-24,8-25 | | | |
| Lymph Node | Iliac | Angiectasis | Marked |
| | Iliac | Hematopoietic Cell Proliferation | Moderate |
| | Renal | Hyperplasia | Lymphoid, Marked |
| Note: [ HYPERPLASIA ] TGLs = 10-26 | | | |
| Note: [ HEMA CELL PROL ] TGLs = 11-27 | | | |
| Note: [ ANGIECTASIS ] TGLs = 11-27 | | | |
| Nose | Mucosa | Atrophy | Minimal |
| | Mucosa | Degeneration | Minimal |
| | | Exudate | |
| | Glands | Hyperplasia | Cystic, Mild |
| Pancreas | Acinar Cell | Cytoplasmic Alteration | Mild |
| Pituitary Gland | Pars Distalis | Angiectasis | Mild |
| | Pars Distalis | Hyperplasia | Mild |
| Skeletal Muscle | | Inflammation | Chronic, Moderate |
| Note: INFLAMMATION PRESENT ON SLIDES 9 & 12 | | | |
| Spleen | | Hematopoietic Cell Proliferation | Marked |

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 297 | **TRT#:** 2 | **SEX:** Female | **DAY ON TEST:** 675 |
| | **DOSE:** 0% | **DISP:** Natural Death | **HISTO:** 88-46928 |

**ORGAN AND ACCOUNTABLE SITE STATUS**

| | | | |
|---|---|---|---|
| | | Hyperplasia | Reticulum Cell, Marked |
| Note: [ HYPERPLASIA ] TGLs = 3-6 | | | |
| Note: [ HEMA CELL PROL ] TGLs = 3-6 | | | |
| Stomach | Glandular | Erosion | Moderate |
| Note: [ EROSION ] TGLs = 9-4 | | | |
| Thymus | | Cyst | |
| Thyroid Gland | Follicular Cel | Hyperplasia | Minimal |
| Urinary Bladder | | Hyperplasia | Lymphoid, Minimal |
| Uterus | | Hyperplasia | Cystic, Moderate |
| Note: [ HYPERPLASIA ] TGLs = 2-7 | | | |
| PRIMARY CAUSE OF DEATH | - | | |

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 298 | **TRT#:** 2 | **SEX:** Female | **DAY ON TEST:** 729 |
| | **DOSE:** 0% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47149 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Bone | Esophagus | Gallbladder | Heart |
| Intestine Large - Cecum | Intestine Large - Colon | Intestine Large - Rectum | Intestine Small - Duodenum |
| Intestine Small - Ileum | Intestine Small - Jejunum | Islets, Pancreatic | Lung |
| Lymph Node - Mandibular | Lymph Node - Mesenteric | Mammary Gland | Pancreas |
| Parathyroid Gland | Pituitary Gland | Salivary Glands | Skeletal Muscle |
| Skin | Spleen | Stomach - Glandular | Thymus |
| Tongue | Trachea | | |

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Adrenal Gland | Cortex | Accessory Adrenal Cortical Nodule | |
| | Medulla | Hyperplasia | Minimal |
| Bone Marrow | | Myelofibrosis | Minimal |
| Brain | Thalamus | Mineralization | Minimal |
| | | Vacuolization Cytoplasmic | Moderate |
| Note: VAC.CYTO. INVOLVES MAINLY WHITE MATTER IN PONS & MIDBRAIN | | | |
| Kidney | | Casts Protein | Minimal |
| | Renal Tubule | Regeneration | Minimal |
| Liver | | Mixed Cell Focus | |
| Note: [ MIXED CL FOCUS ] TGLs = 2-21 | | | |
| Nose | Mucosa | Atrophy | Minimal |
| | Mucosa | Degeneration | Minimal |
| | Glands | Hyperplasia | Cystic, Minimal |
| Ovary | | Cyst | |
| Stomach | Forestomach, Mucosa | Hyperplasia | Minimal |
| Thyroid Gland | Follicular Cel | Hyperplasia | Minimal |
| Urinary Bladder | | Hyperplasia | Lymphoid, Minimal |
| Uterus | | Hyperplasia | Cystic, Moderate |
| Note: [ HYPERPLASIA ] TGLs = 1-7 | | | |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 299 | **TRT#:** 2 | **SEX:** Female | **DAY ON TEST:** 458 |
| | **DOSE:** 0% | **DISP:** Scheduled Sacrifice | **HISTO:** 87-45186 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Cortex | Adrenal Gland - Medulla | Bone | Bone Marrow |
| Esophagus | Gallbladder | 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 | Ovary | Pancreas |
| Parathyroid Gland | Pituitary Gland | Salivary Glands | Skeletal Muscle |
| Skin | Stomach - Forestomach | Stomach - Glandular | Thyroid Gland |
| Tongue | Trachea | | |

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Brain | Thalamus | Mineralization | Minimal |
| Kidney | | Casts Protein | Minimal |
| Liver | | Hyperplasia | Lymphoid, Minimal |
| Nose | Mucosa | Atrophy | Minimal |
| | Mucosa | Degeneration | Minimal |
| Spleen | Lymph Follic | Hyperplasia | Mild |
| Note: HYPERPLASIA TGLs = 2-6 | | | |
| Thymus | | Cyst | |
| Urinary Bladder | | Hyperplasia | Lymphoid, Moderate |
| Uterus | | Hyperplasia | Cystic, Mild |
| Note: HYPERPLASIA TGLs = 1-7 | | | |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 300 | **TRT#:** 2 | **SEX:** Female | **DAY ON TEST:** 597 |
| | **DOSE:** 0% | **DISP:** Moribund Sacrifice | **HISTO:** 88-45780 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Cortex | Adrenal Gland - Medulla | Bone | Esophagus |
| Gallbladder | Heart | Intestine Large - Cecum | Intestine Large - Colon |
| Intestine Large - Rectum | Intestine Small - Duodenum | Intestine Small - Ileum | Islets, Pancreatic |
| Lung | Lymph Node - Mandibular | Lymph Node - Mesenteric | Mammary Gland |
| Ovary | Parathyroid Gland | Pituitary Gland | Salivary Glands |
| Skeletal Muscle | Skin | Stomach - Forestomach | Thyroid Gland |
| Tongue | Trachea | Urinary Bladder | |

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Bone Marrow | | Hypercellularity | Mild |
| Brain | Thalamus | Mineralization | Mild |
| Intestine Small | Jejunum | Dilatation | Mild |
| Note: [ DILATATION ] TGLs = 5-4 | | | |
| Kidney | | Casts Protein | Mild |
| | | Hyperplasia | Lymphoid, Mild |
| | Renal Tubule | Necrosis | Mild |
| | Renal Tubule | Regeneration | Mild |
| Liver | | Hematopoietic Cell Proliferation | Mild |
| | Lobules | Necrosis | Moderate |
| | Hepatocyte | Vacuolization Cytoplasmic | Mild |
| Note: [ NECROSIS ] TGLs = 6-23 | | | |
| Mesentery | Fat | Necrosis | Marked |
| Note: [ NECROSIS ] TGLs = 3-21,6-23,7-24 | | | |
| Nose | Mucosa | Atrophy | Minimal |
| | Mucosa | Degeneration | Minimal |
| | Glands | Hyperplasia | Cystic, Minimal |
| Pancreas | Acinar Cell | Cytoplasmic Alteration | Moderate |
| | | Necrosis | Moderate |
| Note: [ NECROSIS ] TGLs = 4-22 | | | |
| Spleen | | Hematopoietic Cell Proliferation | Moderate |
| Stomach | Glandular | Inflammation | Subacute, Minimal |

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 300 | **TRT#:** 2 | **SEX:** Female | **DAY ON TEST:** 597 |
| | **DOSE:** 0% | **DISP:** Moribund Sacrifice | **HISTO:** 88-45780 |

**ORGAN AND ACCOUNTABLE SITE STATUS**

| | | |
|---|---|---|
| Thymus | Depletion Cellular | Moderate |
| Uterus | Hyperplasia | Cystic, Mild |
| | Inflammation | Suppurative, Mild |

Note: [ HYPERPLASIA ] TGLs = 1-7,2-7

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 301 | **TRT#:** 4 | **SEX:** Female | **DAY ON TEST:** 456 |
| | **DOSE:** .033% | **DISP:** Scheduled Sacrifice | **HISTO:** 87-45164 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Cortex | Adrenal Gland - Medulla | Bone | Bone Marrow |
| Esophagus | Gallbladder | 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 - Mesenteric | Mammary Gland | Ovary | Pancreas |
| Parathyroid Gland | Pituitary Gland | Salivary Glands | Skeletal Muscle |
| Skin | Spleen | Stomach - Forestomach | Stomach - Glandular |
| Thyroid Gland | Tongue | Trachea | Urinary Bladder |

**MISSING**

Thymus

**INSUFFICIENT TISSUE**

Lymph Node - Mandibular

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Brain | Thalamus | Mineralization | Moderate |
| Kidney | | Casts Protein | Mild |
| Nose | Mucosa | Atrophy | Minimal |
| | Mucosa | Degeneration | Minimal |
| Uterus | | Hyperplasia | Cystic, Mild |

Note: HYPERPLASIA TGLs = 1-7

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 302 | **TRT#:** 4 | **SEX:** Female | **DAY ON TEST:** 732 |
| | **DOSE:** .033% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47919 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Cortex | Adrenal Gland - Medulla | Bone | Bone Marrow |
| Esophagus | Gallbladder | Heart | Intestine Large - Cecum |
| Intestine Large - Colon | Intestine Large - Rectum | Intestine Small - Duodenum | Intestine Small - Ileum |
| Intestine Small - Jejunum | Islets, Pancreatic | Lymph Node - Mandibular | Lymph Node - Mesenteric |
| Mammary Gland | Ovary | Pancreas | Parathyroid Gland |
| Pituitary Gland | Salivary Glands | Skeletal Muscle | Skin |
| Spleen | Stomach - Glandular | Thyroid Gland | Tongue |
| Trachea | Urinary Bladder | | |

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Brain | Thalamus | Mineralization | Minimal |
| Kidney | Renal Tubule | Atrophy | Mild |
| | | Cyst | |
| | Renal Tubule | Regeneration | Mild |
| Liver | | Hepatocellular Adenoma | |
| Note: [ HEPATOCLR ADEN ] TGLs = 3-21 | | | |
| Lung | | Alveolar/Bronchiolar Adenoma | |
| | | Infiltration Cellular | Histiocyte, Mild |
| Note: [ ALV BRON ADEN ] TGLs = 4-2-1 | | | |
| Nose | Mucosa | Atrophy | Minimal |
| | Mucosa | Degeneration | Minimal |
| | | Exudate | |
| | Glands | Hyperplasia | Cystic, Minimal |
| | Mucosa | Pigmentation | Minimal |
| Stomach | Forestomach, Mucosa | Hyperplasia | Mild |
| Note: [ HYPERPLASIA ] TGLs = 5-4-1 | | | |
| Thymus | | Angiectasis | Mild |
| Uterus | | Hyperplasia | Cystic, Marked |
| | | Leiomyosarcoma | |
| Note: [ HYPERPLASIA ] TGLs = 1-7 | | | |
| Note: [ LEIOMYOSAR ] TGLs = 2-7 | | | |

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 302 | **TRT#:** 4 | **SEX:** Female | **DAY ON TEST:** 732 |
| | **DOSE:** .033% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47919 |

**ORGAN AND ACCOUNTABLE SITE STATUS**

| | |
|---|---|
| PRIMARY CAUSE OF DEATH | - |

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 303 | **TRT#:** 4 | **SEX:** Female | **DAY ON TEST:** 659 |
| | **DOSE:** .033% | **DISP:** Moribund Sacrifice | **HISTO:** 88-46401 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Cortex | Adrenal Gland - Medulla | Bone | Bone Marrow |
| Esophagus | Gallbladder | 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 | Mammary Gland | Ovary | Pancreas |
| Parathyroid Gland | Pituitary Gland | Skeletal Muscle | Skin |
| Stomach - Forestomach | Stomach - Glandular | Thymus | Tongue |
| Trachea | Urinary Bladder | | |

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Brain | Thalamus | Mineralization | Mild |
| Kidney | | Casts Protein | Minimal |
| | | Hyperplasia | Lymphoid, Minimal |
| Lung | | Hyperplasia | Lymphoid, Mild |
| Lymph Node | Iliac | Hyperplasia | Lymphoid, Mild |
| Note: [ HYPERPLASIA ] TGLs = 4-21 | | | |
| Nose | Mucosa | Atrophy | Minimal |
| | Mucosa | Degeneration | Minimal |
| | Glands | Hyperplasia | Cystic, Minimal |
| | Mucosa | Pigmentation | Minimal |
| Salivary Glands | | Hyperplasia | Lymphoid, Minimal |
| Spleen | Lymph Follic | Hyperplasia | Moderate |
| Note: [ HYPERPLASIA ] TGLs = 5-6 | | | |
| Thyroid Gland | | Degeneration | Cystic, Mild |
| Uterus | | Hydrometra | Moderate |
| | | Hyperplasia | Cystic, Moderate |
| Note: [ HYPERPLASIA ] TGLs = 2-7,3-7 | | | |
| Note: [ HYDROMETRA ] TGLs = 1-7 | | | |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 304 | **TRT#:** 4 | **SEX:** Female | **DAY ON TEST:** 732 |
| | **DOSE:** .033% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47920 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Cortex | Adrenal Gland - Medulla | Bone | Esophagus |
| Gallbladder | 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 | Ovary | Pancreas | Parathyroid Gland |
| Salivary Glands | Skeletal Muscle | Skin | Thymus |
| Thyroid Gland | Tongue | Trachea | |

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Bone Marrow | | Pigmentation | Hemosiderin, Moderate |
| Brain | Thalamus | Mineralization | Minimal |
| Kidney | | Casts Protein | Minimal |
| | | Hyperplasia | Lymphoid, Minimal |
| Liver | | Hepatocellular Adenoma | |
| Note: [ HEPATOCLR ADEN ] TGLs = 2-21 | | | |
| Nose | Mucosa | Atrophy | Minimal |
| | Mucosa | Degeneration | Minimal |
| | | Exudate | |
| | Glands | Hyperplasia | Cystic, Minimal |
| | Mucosa | Pigmentation | Minimal |
| Pituitary Gland | Pars Distalis | Adenoma | |
| Spleen | Red Pulp | Hyperplasia | Mild |
| | | Pigmentation | Hemosiderin, Mild |
| Stomach | Glandular | Cyst | |
| | Forestomach, Mucosa | Hyperplasia | Minimal |
| Urinary Bladder | | Hyperplasia | Lymphoid, Moderate |
| Uterus | | Hyperplasia | Cystic, Moderate |
| Note: [ HYPERPLASIA ] TGLs = 1-7 | | | |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 305 | **TRT#:** 4 | **SEX:** Female | **DAY ON TEST:** 678 |
| | **DOSE:** .033% | **DISP:** Moribund Sacrifice | **HISTO:** 88-46933 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Cortex | Adrenal Gland - Medulla | Bone | Bone Marrow |
| Esophagus | Gallbladder | Heart | Intestine Large - Cecum |
| Intestine Large - Colon | Intestine Large - Rectum | Intestine Small - Duodenum | Intestine Small - Ileum |
| Intestine Small - Jejunum | Islets, Pancreatic | Lymph Node - Mandibular | Pancreas |
| Parathyroid Gland | Salivary Glands | Skeletal Muscle | Skin |
| Stomach - Forestomach | Stomach - Glandular | Tongue | Trachea |

**MISSING**

| | | | |
|---|---|---|---|
| Lymph Node - Mesenteric | Mammary Gland | Ovary | Pituitary Gland |
| Urinary Bladder | Uterus | | |

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Brain | Thalamus | Mineralization | Mild |
| Kidney | | Casts Protein | Minimal |
| | Renal Tubule | Pigmentation | Marked |
| Liver | | Hepatocellular Carcinoma | |
| Note: [ HEPATOCLR CARC ] TGLs = 1-21 | | | |
| Lung | | Hemorrhage | Moderate |
| | | Infiltration Cellular | Histiocyte, Moderate |
| Nose | Mucosa | Atrophy | Mild |
| | Mucosa | Degeneration | Mild |
| | | Exudate | |
| | Glands | Hyperplasia | Cystic, Minimal |
| | Mucosa | Pigmentation | Minimal |
| Spleen | | Hematopoietic Cell Proliferation | Mild |
| Thymus | | Depletion Cellular | Mild |
| Thyroid Gland | Follicle | Cyst | |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 306 | **TRT#:** 4 | **SEX:** Female | **DAY ON TEST:** 732 |
| | **DOSE:** .033% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47921 |

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Cortex | Adrenal Gland - Medulla | Bone | Esophagus |
| Gallbladder | 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 | Mammary Gland | Ovary | Pancreas |
| Parathyroid Gland | Salivary Glands | Skeletal Muscle | Skin |
| Spleen | Stomach - Forestomach | Stomach - Glandular | Thymus |
| Thyroid Gland | Tongue | Trachea | Urinary Bladder |

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Bone Marrow | | Myelofibrosis | Mild |
| Brain | Thalamus | Mineralization | Mild |
| Kidney | | Hyperplasia | Lymphoid, Mild |
| Nose | Mucosa | Atrophy | Minimal |
| | Mucosa | Degeneration | Minimal |
| | | Exudate | |
| | Glands | Hyperplasia | Cystic, Minimal |
| | Mucosa | Pigmentation | Minimal |
| Pituitary Gland | Pars Distalis | Hyperplasia | Mild |
| Uterus | | Hyperplasia | Cystic, Mild |
| Note: [ HYPERPLASIA ] TGLs = 2-7 | | | |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 307 | **TRT#:** 4 | **SEX:** Female | **DAY ON TEST:** 732 |
| | **DOSE:** .033% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47922 |

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Cortex | Adrenal Gland - Medulla | Bone | Esophagus |
| Gallbladder | 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 | Ovary | Pancreas | Parathyroid Gland |
| Salivary Glands | Stomach - Forestomach | Stomach - Glandular | Thymus |
| Thyroid Gland | Tongue | Trachea | Urinary Bladder |

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Bone Marrow | | Myelofibrosis | Minimal |
| Brain | Thalamus | Mineralization | Mild |
| Kidney | | Casts Protein | Minimal |
| Liver | | Hepatocellular Carcinoma | |
| | | Inflammation | Subacute, Minimal |
| Note: [ HEPATOCLR CARC ] TGLs = 3-23 | | | |
| Nose | Mucosa | Atrophy | Minimal |
| | Mucosa | Degeneration | Minimal |
| | | Exudate | |
| | Glands | Hyperplasia | Cystic, Minimal |
| | Mucosa | Pigmentation | Minimal |
| Pituitary Gland | Pars Distalis | Hyperplasia | Minimal |
| Skeletal Muscle | Sarcolem Nucli | Hyperplasia | Mild |
| Skin | | Acanthosis | Moderate |
| | Subcut Tiss | Edema | Moderate |
| | Subcut Tiss | Fibrosarcoma | |
| Note: [ EDEMA ] TGLs = 2-22 | | | |
| Note: [ FIBROSARC ] TGLs = 1-21 | | | |
| Note: ACANTHOSIS IS ON SLIDES 21 AND 22 | | | |
| Spleen | | Hematopoietic Cell Proliferation | Mild |
| Uterus | | Hyperplasia | Cystic, Moderate |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 308 | **TRT#:** 4 | **SEX:** Female | **DAY ON TEST:** 456 |
| | **DOSE:** .033% | **DISP:** Scheduled Sacrifice | **HISTO:** 87-45165 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Cortex | Adrenal Gland - Medulla | Bone | Bone Marrow |
| Gallbladder | 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 | Mammary Gland | Ovary | Pancreas |
| Parathyroid Gland | Pituitary Gland | Salivary Glands | Skeletal Muscle |
| Skin | Spleen | Stomach - Forestomach | Thymus |
| Thyroid Gland | Tongue | Trachea | Urinary Bladder |

**MISSING**

Esophagus

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Brain | Thalamus | Mineralization | Mild |
| Kidney | | Casts Protein | Minimal |
| Nose | Mucosa | Atrophy | Minimal |
| | Mucosa | Degeneration | Minimal |
| | Glands | Hyperplasia | Cystic, Minimal |
| Stomach | Glandular | Inflammation | Subacute, Mild |
| Uterus | | Hyperplasia | Cystic, Mild |
| | Epithelium | Metaplasia | Squamous, Mild |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 309 | **TRT#:** 4 | **SEX:** Female | **DAY ON TEST:** 732 |
| | **DOSE:** .033% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47923 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Cortex | Adrenal Gland - Medulla | Bone | Bone Marrow |
| Esophagus | Gallbladder | 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 | Mammary Gland | Pancreas |
| Parathyroid Gland | Salivary Glands | Skeletal Muscle | Skin |
| Spleen | Stomach - Glandular | Thymus | Tongue |
| Trachea | Urinary Bladder | | |

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Brain | Thalamus | Mineralization | Minimal |
| Kidney | | Casts Protein | Minimal |
| | Renal Tubule | Regeneration | Mild |
| Mesentery | Fat | Necrosis | Moderate |
| Note: [ NECROSIS ] TGLs = 1-21 | | | |
| Nose | Mucosa | Atrophy | Minimal |
| | Mucosa | Degeneration | Minimal |
| | | Exudate | |
| | Glands | Hyperplasia | Cystic, Minimal |
| | Mucosa | Pigmentation | Minimal |
| Ovary | | Cyst | |
| Pituitary Gland | Pars Distalis | Hyperplasia | Moderate |
| Stomach | Forestomach | Diverticulum | Moderate |
| Thyroid Gland | Follicle | Cyst | |
| Uterus | | Hyperplasia | Cystic, Moderate |
| Note: [ HYPERPLASIA ] TGLs = 2-7 | | | |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 310 | **TRT#:** 4 | **SEX:** Female | **DAY ON TEST:** 507 |
| | **DOSE:** .033% | **DISP:** Natural Death | **HISTO:** 88-45510 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Medulla | Bone | Esophagus | Gallbladder |
| Heart | Intestine Large - Colon | Intestine Large - Rectum | Intestine Small - Duodenum |
| Intestine Small - Jejunum | Islets, Pancreatic | Lung | Lymph Node - Mandibular |
| Pancreas | Parathyroid Gland | Pituitary Gland | Salivary Glands |
| Skeletal Muscle | Skin | Stomach - Glandular | Thyroid Gland |
| Tongue | Trachea | Urinary Bladder | |

**MISSING**

| | |
|---|---|
| Intestine Small - Ileum | Lymph Node - Mesenteric |

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Adrenal Gland | Cortex | Accessory Adrenal Cortical Nodule | |
| Bone Marrow | | Hypercellularity | Mild |
| Brain | Thalamus | Mineralization | Mild |
| Intestine Large | Cecum | Edema | Mild |
| Kidney | | Bacterium | Moderate |
| Liver | | Hematopoietic Cell Proliferation | Mild |
| | | Hepatocellular Adenoma | |
| | | Hepatocellular Carcinoma | |
| | Kupffer Cell | Hyperplasia | Moderate |
| Note: [ HEPATOCLR ADEN ] TGLs = 6-22 | | | |
| Note: [ HEPATOCLR CARC ] TGLs = 5-21 | | | |
| Mammary Gland | | Hyperplasia | Cystic, Minimal |
| Mesentery | | Inflammation | Suppurative, Marked |
| Note: [ INFLAMMATION ] TGLs = 4-6,4-7 | | | |
| Nose | Mucosa | Atrophy | Minimal |
| | Mucosa | Degeneration | Minimal |
| | Mucosa | Pigmentation | Minimal |
| Ovary | | Inflammation | Suppurative, Marked |
| Note: [ INFLAMMATION ] TGLs = 2-7 | | | |
| Spleen | | Hematopoietic Cell Proliferation | Mild |
| Note: [ HEMA CELL PROL ] TGLs = 3-6 | | | |

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 310 | **TRT#:** 4 | **SEX:** Female | **DAY ON TEST:** 507 |
| | **DOSE:** .033% | **DISP:** Natural Death | **HISTO:** 88-45510 |

**ORGAN AND ACCOUNTABLE SITE STATUS**

| | | | |
|---|---|---|---|
| Stomach | Forestomach, Mucosa | Hyperplasia | Moderate |
| Note: [ HYPERPLASIA ] TGLs = 7-4-1 | | | |
| Thymus | | Depletion Cellular | Moderate |
| Uterus | | Hyperplasia | Cystic, Minimal |
| Note: [ HYPERPLASIA ] TGLs = 1-7 | | | |
| PRIMARY CAUSE OF DEATH | - | | |

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 311 | **TRT#:** 4 | **SEX:** Female | **DAY ON TEST:** 647 |
| | **DOSE:** .033% | **DISP:** Moribund Sacrifice | **HISTO:** 88-46296 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Medulla | Bone | Esophagus | Gallbladder |
| Heart | Intestine Large - Cecum | Intestine Large - Colon | Intestine Large - Rectum |
| Intestine Small - Duodenum | Intestine Small - Ileum | Intestine Small - Jejunum | Islets, Pancreatic |
| Lung | Mammary Gland | Pancreas | Parathyroid Gland |
| Pituitary Gland | Salivary Glands | Skin | Stomach - Forestomach |
| Stomach - Glandular | Thymus | Tongue | Trachea |
| Urinary Bladder | | | |

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Adrenal Gland | Cortex | Accessory Adrenal Cortical Nodule | |
| Bone Marrow | | Hypercellularity | Marked |
| Brain | Thalamus | Mineralization | Minimal |
| Kidney | | Casts Protein | Minimal |
| | | Hyperplasia | Lymphoid, Moderate |
| Liver | | Hematopoietic Cell Proliferation | Marked |
| | Kupffer Cell | Hyperplasia | Moderate |
| Lymph Node | Mandibular | Hematopoietic Cell Proliferation | Mild |
| | Mesenteric | Hematopoietic Cell Proliferation | Moderate |
| | Mandibular | Hyperplasia | Lymphoid, Marked |
| | Mediastinal | Hyperplasia | Plasma Cell, Marked |
| | Renal | Hyperplasia | Plasma Cell, Marked |
| | Renal | Hyperplasia | Lymphoid, Marked |
| Note: [ HYPERPLASIA ] TGLs = 6-2 | | | |
| Note: [ HYPERPLASIA ] TGLs = 7-21 | | | |
| Note: [ HYPERPLASIA ] TGLs = 7-21 | | | |
| Nose | Mucosa | Atrophy | Minimal |
| | Mucosa | Pigmentation | Minimal |
| Ovary | | Inflammation | Suppurative, Marked |
| Note: [ INFLAMMATION ] TGLs = 2-7,3-7 | | | |
| Note: EXTENSIVE CHRONIC INFLAMM. & FIBROPLASIA ASSOC. W/ | | | |
| Note: SUPPURATIVE INFLAMM.; NOT CODED | | | |

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 311 | **TRT#:** 4 | **SEX:** Female | **DAY ON TEST:** 647 |
| | **DOSE:** .033% | **DISP:** Moribund Sacrifice | **HISTO:** 88-46296 |

**ORGAN AND ACCOUNTABLE SITE STATUS**

| | | | |
|---|---|---|---|
| Skeletal Muscle | | Inflammation | Chronic, Mild |
| Spleen | | Hematopoietic Cell Proliferation | Marked |
| Note: [ HEMA CELL PROL ] TGLs = 1-6 | | | |
| Thyroid Gland | | Degeneration | Cystic, Minimal |
| | Follicular Cel | Hyperplasia | Minimal |
| Uterus | | Hyperplasia | Cystic, Mild |
| | | Inflammation | Suppurative, Moderate |
| Note: [ HYPERPLASIA ] TGLs = 4-7 | | | |
| Note: [ INFLAMMATION ] TGLs = 5-7 | | | |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 312 | **TRT#:** 4 | **SEX:** Female | **DAY ON TEST:** 732 |
| | **DOSE:** .033% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47924 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Medulla | Bone | Bone Marrow | Esophagus |
| Gallbladder | Heart | Intestine Large - Cecum | Intestine Large - Colon |
| Intestine Large - Rectum | Intestine Small - Duodenum | Intestine Small - Ileum | Intestine Small - Jejunum |
| Islets, Pancreatic | Liver | Mammary Gland | Parathyroid Gland |
| Skeletal Muscle | Skin | Stomach - Forestomach | Stomach - Glandular |
| Thyroid Gland | Tongue | Trachea | |

**INSUFFICIENT TISSUE**

Ovary

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Adrenal Gland | Cortex | Hyperplasia | Diffuse, Mild |
| Brain | Thalamus | Mineralization | Mild |
| Kidney | | Hyperplasia | Lymphoid, Minimal |
| Lung | | Alveolar/Bronchiolar Adenoma | |
| Lymph Node | Mandibular | Hyperplasia | Lymphoid, Moderate |
| | Mesenteric | Hyperplasia | Lymphoid, Moderate |
| | Mediastinal | Lymphoma Malignant Mixed | |
| Note: [ LYMPH MAL MIXD ] TGLs = 2-2 | | | |
| Nose | Mucosa | Atrophy | Mild |
| | Mucosa | Degeneration | Mild |
| | | Exudate | |
| | Glands | Hyperplasia | Cystic, Mild |
| | Mucosa | Pigmentation | Minimal |
| Pancreas | | Cyst | |
| Pituitary Gland | Pars Distalis | Hyperplasia | Mild |
| Salivary Glands | | Hyperplasia | Lymphoid, Minimal |
| Spleen | Lymph Follic | Hyperplasia | Moderate |
| Note: [ HYPERPLASIA ] TGLs = 2-6 | | | |
| Thymus | | Hyperplasia | Lymphoid, Mild |
| Urinary Bladder | | Hyperplasia | Lymphoid, Mild |
| Uterus | | Hyperplasia | Cystic, Moderate |

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 312 | **TRT#:** 4 | **SEX:** Female | **DAY ON TEST:** 732 |
| | **DOSE:** .033% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47924 |

**ORGAN AND ACCOUNTABLE SITE STATUS**

| | | | |
|---|---|---|---|
| | Epithelium | Metaplasia | Squamous, Minimal |
| Note: [ HYPERPLASIA ] TGLs = 3-7 | | | |
| PRIMARY CAUSE OF DEATH | - | | |

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 313 | **TRT#:** 4 | **SEX:** Female | **DAY ON TEST:** 428 |
| | **DOSE:** .033% | **DISP:** Natural Death | **HISTO:** 87-45190 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Medulla | Bone | Esophagus | Gallbladder |
| 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 | Mammary Gland | Pancreas |
| Parathyroid Gland | Salivary Glands | Skeletal Muscle | Skin |
| Stomach - Forestomach | Thyroid Gland | Tongue | Trachea |
| Urinary Bladder | | | |

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Adrenal Gland | Cortex | Accessory Adrenal Cortical Nodule | |
| Bone Marrow | | Hypercellularity | Moderate |
| Brain | Thalamus | Mineralization | Mild |
| Kidney | | Casts Protein | Minimal |
| | Renal Tubule | Dilatation | Minimal |
| Liver | | Hematopoietic Cell Proliferation | Mild |
| | Kupffer Cell | Hyperplasia | Moderate |
| | Lobules | Necrosis | Mild |
| Lymph Node | Mesenteric | Hematopoietic Cell Proliferation | Minimal |
| | Mediastinal | Hyperplasia | Plasma Cell, Moderate |
| | Renal | Hyperplasia | Plasma Cell, Moderate |
| | Mediastinal | Inflammation | Suppurative, Moderate |
| Note: HYPERPLASIA TGLs = 6-21 | | | |
| Mesentery | | Inflammation | Suppurative, Moderate |
| Nose | Mucosa | Atrophy | Minimal |
| | Mucosa | Degeneration | Minimal |
| | | Exudate | |
| | Glands | Hyperplasia | Cystic, Minimal |
| | Mucosa | Pigmentation | Minimal |
| Ovary | | Cyst | |
| | | Inflammation | Suppurative, Marked |
| Note: INFLAMMATION TGLs = 3-7 | | | |

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 313 | **TRT#:** 4 | **SEX:** Female | **DAY ON TEST:** 428 |
| | **DOSE:** .033% | **DISP:** Natural Death | **HISTO:** 87-45190 |

**ORGAN AND ACCOUNTABLE SITE STATUS**

| | | | |
|---|---|---|---|
| Note: CYST TGLs = 2-7 | | | |
| Pituitary Gland | Pars Distalis | Hyperplasia | Mild |
| Spleen | | Hematopoietic Cell Proliferation | Moderate |
| Note: HEMA CELL PROL TGLs = 4-6 | | | |
| Stomach | Glandular | Cyst | |
| | Glandular | Erosion | Mild |
| Note: EROSION TGLs = 5-4-1 | | | |
| Thymus | | Depletion Cellular | Moderate |
| Uterus | | Hyperplasia | Cystic, Minimal |
| | | Inflammation | Suppurative, Mild |
| | Epithelium | Metaplasia | Squamous, Moderate |

PRIMARY CAUSE OF DEATH -

Animal Note: MINERALIZATION IN FAT ADJACENT TO SALIVARY GLAND- NOT CODED

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 314 | **TRT#:** 4 | **SEX:** Female | **DAY ON TEST:** 732 |
| | **DOSE:** .033% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47925 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Cortex | Adrenal Gland - Medulla | Bone | Bone Marrow |
| Esophagus | Gallbladder | 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 | Mammary Gland | Ovary |
| Pancreas | Parathyroid Gland | Salivary Glands | Skeletal Muscle |
| Skin | Spleen | Stomach - Forestomach | Stomach - Glandular |
| Thymus | Thyroid Gland | Tongue | Trachea |
| Urinary Bladder | | | |

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Brain | Thalamus | Mineralization | Mild |
| Kidney | | Casts Protein | Minimal |
| Nose | Mucosa | Atrophy | Minimal |
| | Mucosa | Degeneration | Minimal |
| | | Exudate | |
| | Glands | Hyperplasia | Cystic, Minimal |
| | Mucosa | Pigmentation | Minimal |
| Pituitary Gland | Pars Distalis | Hyperplasia | Minimal |
| Uterus | | Hyperplasia | Cystic, Moderate |
| | Epithelium | Metaplasia | Squamous, Mild |

Note: [ HYPERPLASIA ] TGLs = 1-7

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 315 | **TRT#:** 4 | **SEX:** Female | **DAY ON TEST:** 732 |
| | **DOSE:** .033% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47926 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Medulla | Bone | Bone Marrow | Esophagus |
| Gallbladder | 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 | Mammary Gland | Ovary | Pancreas |
| Parathyroid Gland | Skeletal Muscle | Skin | Spleen |
| Stomach - Glandular | Thyroid Gland | Tongue | Trachea |
| Urinary Bladder | | | |

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Adrenal Gland | Capsule, Cortex | Hyperplasia | Minimal |
| Brain | Thalamus | Mineralization | Mild |
| Harderian Gland | | Adenoma | |
| Kidney | | Hyperplasia | Lymphoid, Minimal |
| Nose | Mucosa | Atrophy | Minimal |
| | Mucosa | Degeneration | Minimal |
| | | Exudate | |
| | Glands | Hyperplasia | Cystic, Minimal |
| | Mucosa | Pigmentation | Minimal |
| Pituitary Gland | Pars Distalis | Adenoma | |
| Note: [ ADENOMA ] TGLs = 3-1 | | | |
| Salivary Glands | | Hyperplasia | Lymphoid, Minimal |
| Stomach | Forestomach, Mucosa | Hyperplasia | Minimal |
| Thymus | | Angiectasis | Mild |
| Note: [ ANGIECTASIS ] TGLs = 4-2 | | | |
| Uterus | | Hydrometra | Moderate |
| | | Hyperplasia | Cystic, Mild |
| Note: [ HYDROMETRA ] TGLs = 2-7 | | | |
| Note: [ HYPERPLASIA ] TGLs = 1-7 | | | |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 316 | **TRT#:** 4 | **SEX:** Female | **DAY ON TEST:** 732 |
| | **DOSE:** .033% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47927 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Cortex | Bone | Esophagus | Gallbladder |
| Heart | Intestine Large - Cecum | Intestine Large - Colon | Intestine Large - Rectum |
| Intestine Small - Duodenum | Intestine Small - Ileum | Intestine Small - Jejunum | Islets, Pancreatic |
| Lung | Lymph Node - Mandibular | Lymph Node - Mesenteric | Mammary Gland |
| Pancreas | Parathyroid Gland | Salivary Glands | Skeletal Muscle |
| Skin | Spleen | Stomach - Forestomach | Stomach - Glandular |
| Thymus | Tongue | Trachea | Urinary Bladder |

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Adrenal Gland | Medulla | Hyperplasia | Mild |
| Bone Marrow | | Myelofibrosis | Minimal |
| Brain | Thalamus | Mineralization | Moderate |
| Kidney | Renal Tubule | Carcinoma | |
| | | Casts Protein | Minimal |
| | | Hyperplasia | Lymphoid, Minimal |
| Note: [ CARCINOMA ] TGLs = 1-21 | | | |
| Liver | | Inflammation | Subacute, Minimal |
| | Lobules | Necrosis | Minimal |
| Nose | Mucosa | Atrophy | Mild |
| | Mucosa | Degeneration | Mild |
| | | Exudate | |
| | Glands | Hyperplasia | Cystic, Minimal |
| | Mucosa | Pigmentation | Minimal |
| Ovary | | Angiectasis | Mild |
| Pituitary Gland | Pars Distalis | Adenoma | |
| Note: [ ADENOMA ] TGLs = 2-1 | | | |
| Thyroid Gland | | Degeneration | Cystic, Mild |
| | Follicular Cel | Hyperplasia | Mild |
| Uterus | | Hyperplasia | Cystic, Mild |
| Note: [ HYPERPLASIA ] TGLs = 3-7 | | | |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 317 | **TRT#:** 4 | **SEX:** Female | **DAY ON TEST:** 544 |
| | **DOSE:** .033% | **DISP:** Moribund Sacrifice | **HISTO:** 88-45679 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Cortex | Adrenal Gland - Medulla | Bone | Bone Marrow |
| Esophagus | Gallbladder | Heart | Intestine Large - Cecum |
| Intestine Large - Colon | Intestine Large - Rectum | Intestine Small - Ileum | Intestine Small - Jejunum |
| Islets, Pancreatic | Lymph Node - Mesenteric | Mammary Gland | Pancreas |
| Parathyroid Gland | Pituitary Gland | Salivary Glands | Skeletal Muscle |
| Skin | Stomach - Forestomach | Stomach - Glandular | Thymus |
| Thyroid Gland | Tongue | Trachea | Urinary Bladder |

**MISSING**

Intestine Small - Duodenum

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Brain | Thalamus | Mineralization | Mild |
| Kidney | | Casts Protein | Minimal |
| Liver | | Hematopoietic Cell Proliferation | Minimal |
| | | Sarcoma Stromal | Metastatic (Uterus) |
| Lung | | Hyperplasia | Lymphoid, Mild |
| | Artery | Hypertrophy | Mild |
| Lymph Node | Mandibular | Hyperplasia | Lymphoid, Moderate |
| | Renal | Hyperplasia | Plasma Cell, Mild |
| Note: [ HYPERPLASIA ] TGLs = 5-21 | | | |
| Nose | Mucosa | Atrophy | Minimal |
| | Mucosa | Degeneration | Minimal |
| | Glands | Hyperplasia | Cystic, Minimal |
| | Mucosa | Pigmentation | Minimal |
| Ovary | | Cyst | |
| Note: [ CYST ] TGLs = 4-7 | | | |
| Spleen | | Hematopoietic Cell Proliferation | Minimal |
| Uterus | | Sarcoma Stromal | |
| Note: [ SARC STROMAL ] TGLs = 1-7-1,3-7-1 | | | |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 318 | **TRT#:** 4 | **SEX:** Female | **DAY ON TEST:** 17 |
| | **DOSE:** .033% | **DISP:** Natural Death | **HISTO:** 87-44655 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Cortex | Adrenal Gland - Medulla | Bone | Esophagus |
| Gallbladder | Heart | Intestine Large - Cecum | Intestine Large - Colon |
| Intestine Large - Rectum | Intestine Small - Duodenum | Intestine Small - Ileum | Intestine Small - Jejunum |
| Islets, Pancreatic | Kidney | Liver | Lung |
| Lymph Node - Mandibular | Lymph Node - Mesenteric | Mammary Gland | Nose |
| Pancreas | Parathyroid Gland | Pituitary Gland | Salivary Glands |
| Skeletal Muscle | Skin | Stomach - Forestomach | Stomach - Glandular |
| Thymus | Thyroid Gland | Tongue | Trachea |
| Urinary Bladder | Uterus | | |

**OBSERVATIONS**

| | | |
|---|---|---|
| Bone Marrow | Hypercellularity | Mild |
| Brain | Cyst | |
| Note: CYST ON MIDLINE OF CEREBRUM; LINED WITH SQUAMOUS EPITHELIUM | | |
| Ovary | Choriocarcinoma | |
| | Thrombosis | Mild |
| Note: CHORIOCARC TGLs = 2-7 | | |
| Spleen | Hematopoietic Cell Proliferation | Moderate |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 319 | **TRT#:** 4 | **SEX:** Female | **DAY ON TEST:** 732 |
| | **DOSE:** .033% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47928 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Cortex | Adrenal Gland - Medulla | Bone | Bone Marrow |
| Esophagus | Gallbladder | 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 - Mesenteric | Mammary Gland | Ovary | Pancreas |
| Parathyroid Gland | Pituitary Gland | Skeletal Muscle | Skin |
| Stomach - Forestomach | Stomach - Glandular | Thymus | Trachea |
| Urinary Bladder | | | |

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Brain | Thalamus | Mineralization | Minimal |
| Kidney | | Casts Protein | Minimal |
| | | Hyperplasia | Lymphoid, Minimal |
| Lymph Node | Iliac | Hyperplasia | Plasma Cell, Mild |
| | Mandibular | Hyperplasia | Plasma Cell, Mild |
| | Mandibular | Hyperplasia | Lymphoid, Moderate |
| Note: [ HYPERPLASIA ] TGLs = 5-22 | | | |
| Mesentery | Fat | Necrosis | Mild |
| Note: [ NECROSIS ] TGLs = 3-21 | | | |
| Nose | Mucosa | Atrophy | Mild |
| | Mucosa | Degeneration | Mild |
| | Glands | Hyperplasia | Cystic, Minimal |
| | Mucosa | Pigmentation | Minimal |
| Salivary Glands | | Hyperplasia | Lymphoid, Mild |
| Spleen | | Hematopoietic Cell Proliferation | Minimal |
| | | Lymphoma Malignant Mixed | |
| | | Pigmentation | Hemosiderin, Mild |
| Note: [ LYMPH MAL MIXD ] TGLs = 2-6 | | | |
| Note: [ HEMA CELL PROL ] TGLs = 2-6 | | | |
| Thyroid Gland | Follicular Cel | Hyperplasia | Minimal |
| Tongue | | Inflammation | Chronic, Mild |

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 319 | **TRT#:** 4 | **SEX:** Female | **DAY ON TEST:** 732 |
| | **DOSE:** .033% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47928 |

**ORGAN AND ACCOUNTABLE SITE STATUS**

| | | | |
|---|---|---|---|
| Uterus | | Hyperplasia | Cystic, Mild |
| | Epithelium | Metaplasia | Squamous, Moderate |
| | | Polyp Stromal | |
| Note: [ HYPERPLASIA ] TGLs = 1-7 | | | |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 320 | **TRT#:** 4 | **SEX:** Female | **DAY ON TEST:** 732 |
| | **DOSE:** .033% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47929 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Cortex | Adrenal Gland - Medulla | Bone | Bone Marrow |
| Brain | Esophagus | Gallbladder | 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 | Mammary Gland | Ovary |
| Pancreas | Parathyroid Gland | Salivary Glands | Skin |
| Stomach - Forestomach | Stomach - Glandular | Thymus | Thyroid Gland |
| Tongue | Trachea | | |

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Kidney | | Casts Protein | Minimal |
| | | Hyperplasia | Lymphoid, Mild |
| Lung | | Hemorrhage | Minimal |
| Note: [ HEMORRHAGE ] TGLs = 2-2-1 | | | |
| Nose | Mucosa | Atrophy | Minimal |
| | Mucosa | Degeneration | Minimal |
| | Glands | Hyperplasia | Cystic, Minimal |
| | Mucosa | Pigmentation | Minimal |
| Pituitary Gland | Pars Distalis | Adenoma | |
| Skeletal Muscle | | Inflammation | Chronic, Minimal |
| Spleen | | Pigmentation | Hemosiderin, Mild |
| Urinary Bladder | | Hyperplasia | Lymphoid, Minimal |
| Uterus | | Hyperplasia | Cystic, Minimal |
| Note: [ HYPERPLASIA ] TGLs = 1-7 | | | |
| Note: ATYPICAL FOCUS OF ENDOMETRIUM WITHIN MYOMETRIUM; NOT CODED | | | |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 321 | **TRT#:** 4 | **SEX:** Female | **DAY ON TEST:** 457 |
| | **DOSE:** .033% | **DISP:** Scheduled Sacrifice | **HISTO:** 87-45166 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Cortex | Adrenal Gland - Medulla | Bone | Bone Marrow |
| Esophagus | Gallbladder | Heart | Intestine Large - Cecum |
| Intestine Large - Colon | Intestine Small - Duodenum | Intestine Small - Ileum | Intestine Small - Jejunum |
| Islets, Pancreatic | Lung | Lymph Node - Mesenteric | Mammary Gland |
| Pancreas | Parathyroid Gland | Pituitary Gland | Salivary Glands |
| Skeletal Muscle | Skin | Spleen | Stomach - Forestomach |
| Thymus | Trachea | Urinary Bladder | |

**MISSING**

Lymph Node - Mandibular

**INSUFFICIENT TISSUE**

Intestine Large - Rectum

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Brain | Thalamus | Mineralization | Mild |
| Kidney | | Casts Protein | Minimal |
| Liver | | Basophilic Focus | |
| | | Hyperplasia | Lymphoid, Minimal |
| Nose | Mucosa | Atrophy | Minimal |
| | Mucosa | Degeneration | Minimal |
| | Glands | Hyperplasia | Cystic, Minimal |
| | Mucosa | Pigmentation | Minimal |
| Ovary | | Cyst | |
| Note: CYST TGLs = 1-7 | | | |
| Stomach | Glandular, Mucosa | Dysplasia | Mild |
| Thyroid Gland | Follicular Cel | Hyperplasia | Minimal |
| Tongue | | Inflammation | Chronic, Minimal |
| Uterus | | Hyperplasia | Cystic, Minimal |
| Note: HYPERPLASIA TGLs = 2-7,3-7 | | | |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 322 | **TRT#:** 4 | **SEX:** Female | **DAY ON TEST:** 718 |
| | **DOSE:** .033% | **DISP:** Moribund Sacrifice | **HISTO:** 88-47037 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Cortex | Adrenal Gland - Medulla | Bone | Esophagus |
| Gallbladder | Heart | Intestine Large - Cecum | Intestine Large - Colon |
| Intestine Large - Rectum | Intestine Small - Duodenum | Intestine Small - Ileum | Intestine Small - Jejunum |
| Islets, Pancreatic | Lymph Node - Mandibular | Mammary Gland | Pancreas |
| Parathyroid Gland | Salivary Glands | Skeletal Muscle | Skin |
| Stomach - Glandular | Thyroid Gland | Tongue | Trachea |
| Urinary Bladder | | | |

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Bone Marrow | | Hypercellularity | Mild |
| | | Myelofibrosis | Minimal |
| Brain | Thalamus | Mineralization | Mild |
| Kidney | | Casts Protein | Minimal |
| | Renal Tubule | Cytoplasmic Alteration | Moderate |
| Liver | | Angiectasis | Mild |
| | Kupffer Cell | Hyperplasia | Mild |
| | Lobules | Necrosis | Minimal |
| Lung | | Hyperplasia | Lymphoid, Minimal |
| Lymph Node | Mesenteric | Lymphoma Malignant Mixed | |
| Note: [ LYMPH MAL MIXD ] TGLs = 5-21 | | | |
| Nose | Mucosa | Atrophy | Mild |
| | Mucosa | Degeneration | Mild |
| | | Exudate | |
| | Glands | Hyperplasia | Cystic, Minimal |
| | Mucosa | Pigmentation | Minimal |
| Ovary | | Angiectasis | Mild |
| Pituitary Gland | Pars Distalis | Angiectasis | Mild |
| | Pars Distalis | Hyperplasia | Mild |
| Spleen | | Hematopoietic Cell Proliferation | Mild |
| | | Lymphoma Malignant Mixed | |
| Note: [ HEMA CELL PROL ] TGLs = 3-6 | | | |

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 322 | **TRT#:** 4 | **SEX:** Female | **DAY ON TEST:** 718 |
| | **DOSE:** .033% | **DISP:** Moribund Sacrifice | **HISTO:** 88-47037 |

**ORGAN AND ACCOUNTABLE SITE STATUS**

| | | | |
|---|---|---|---|
| Note: [ LYMPH MAL MIXD ] TGLs = 3-6 | | | |
| Stomach | Forestomach | Lymphoma Malignant Mixed | |
| Thymus | | Lymphoma Malignant Mixed | |
| Note: [ LYMPH MAL MIXD ] TGLs = 6-2 | | | |
| Uterus | | Hyperplasia | Cystic, Mild |
| Note: [ HYPERPLASIA ] TGLs = 2-7 | | | |
| PRIMARY CAUSE OF DEATH | - | | |

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 323 | **TRT#:** 4 | **SEX:** Female | **DAY ON TEST:** 732 |
| | **DOSE:** .033% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47930 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Cortex | Bone | Esophagus | Gallbladder |
| Intestine Large - Cecum | Intestine Large - Colon | Intestine Large - Rectum | Intestine Small - Duodenum |
| Intestine Small - Ileum | Intestine Small - Jejunum | Parathyroid Gland | Skin |
| Tongue | Trachea | | |

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Adrenal Gland | Medulla | Hyperplasia | Minimal |
| Bone Marrow | | Lymphoma Malignant Lymphocytic | |
| Brain | | Lymphoma Malignant Lymphocytic | |
| | Thalamus | Mineralization | Mild |
| Heart | | Lymphoma Malignant Lymphocytic | |
| Islets, Pancreatic | | Lymphoma Malignant Lymphocytic | |
| Kidney | | Casts Protein | Minimal |
| | | Lymphoma Malignant Lymphocytic | |
| Liver | | Lymphoma Malignant Lymphocytic | |
| | Lobules | Necrosis | Minimal |
| Note: [ LYMPH MAL LYMP ] TGLs = 8-6 | | | |
| Lung | | Lymphoma Malignant Lymphocytic | |
| Lymph Node | Axillary | Lymphoma Malignant Lymphocytic | |
| | Iliac | Lymphoma Malignant Lymphocytic | |
| | Inguinal | Lymphoma Malignant Lymphocytic | |
| | Lumbar | Lymphoma Malignant Lymphocytic | |
| | Mandibular | Lymphoma Malignant Lymphocytic | |
| | Mediastinal | Lymphoma Malignant Lymphocytic | |
| | Mesenteric | Lymphoma Malignant Lymphocytic | |
| | Renal | Lymphoma Malignant Lymphocytic | |
| Note: [ LYMPH MAL LYMP ] TGLs = 2-8 | | | |
| Note: [ LYMPH MAL LYMP ] TGLs = 1-21 | | | |
| Note: [ LYMPH MAL LYMP ] TGLs = 15-5 | | | |
| Note: [ LYMPH MAL LYMP ] TGLs = 9-5 | | | |
| Note: [ LYMPH MAL LYMP ] TGLs = 10-22 | | | |

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 323 | **TRT#:** 4 | **SEX:** Female | **DAY ON TEST:** 732 |
| | **DOSE:** .033% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47930 |

**ORGAN AND ACCOUNTABLE SITE STATUS**

| | | | |
|---|---|---|---|
| Note: [ LYMPH MAL LYMP ] TGLs = 12-23 | | | |
| Note: [ LYMPH MAL LYMP ] TGLs = 13-24 | | | |
| [ Lymphoma Malignant Lymphocytic TGLS = 14-25 ] | | | |
| Mammary Gland | | Lymphoma Malignant Lymphocytic | |
| Mesentery | | Lymphoma Malignant Lymphocytic | |
| Note: [ LYMPH MAL LYMP ] TGLs = 11-26 | | | |
| Note: LYMPH MAL LYMP ALSO PRESENT ON SLIDES 4, 5, 6, 7, & 10 | | | |
| Nose | Mucosa | Atrophy | Minimal |
| | Mucosa | Degeneration | Minimal |
| | Glands | Hyperplasia | Cystic, Minimal |
| | | Lymphoma Malignant Lymphocytic | |
| | Mucosa | Pigmentation | Minimal |
| Ovary | | Angiectasis | Mild |
| | | Cyst | |
| | | Lymphoma Malignant Lymphocytic | |
| Note: [ CYST ] TGLs = 4-7 | | | |
| Pancreas | | Lymphoma Malignant Lymphocytic | |
| Note: [ LYMPH MAL LYMP ] TGLs = 6-7 | | | |
| Pituitary Gland | Pars Distalis | Angiectasis | Mild |
| | Pars Distalis | Hyperplasia | Minimal |
| Salivary Glands | | Lymphoma Malignant Lymphocytic | |
| Note: [ LYMPH MAL LYMP ] TGLs = 3-8 | | | |
| Skeletal Muscle | | Lymphoma Malignant Lymphocytic | |
| Spleen | | Hematopoietic Cell Proliferation | Mild |
| | | Lymphoma Malignant Lymphocytic | |
| Note: [ HEMA CELL PROL ] TGLs = 7-6 | | | |
| Note: [ LYMPH MAL LYMP ] TGLs = 7-6 | | | |
| Stomach | Forestomach | Lymphoma Malignant Lymphocytic | |
| | Glandular | Lymphoma Malignant Lymphocytic | |
| Thymus | | Lymphoma Malignant Lymphocytic | |
| Thyroid Gland | | Degeneration | Cystic, Moderate |

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 323 | **TRT#:** 4 | **SEX:** Female | **DAY ON TEST:** 732 |
| | **DOSE:** .033% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47930 |

**ORGAN AND ACCOUNTABLE SITE STATUS**

| | | |
|---|---|---|
| | Lymphoma Malignant Lymphocytic | |
| Urinary Bladder | Lymphoma Malignant Lymphocytic | |
| Uterus | Hyperplasia | Cystic, Mild |
| | Lymphoma Malignant Lymphocytic | |

Note: [ HYPERPLASIA ] TGLs = 5-7
Note: [ LYMPH MAL LYMP ] TGLs = 5-7

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 324 | **TRT#:** 4 | **SEX:** Female | **DAY ON TEST:** 457 |
| | **DOSE:** .033% | **DISP:** Scheduled Sacrifice | **HISTO:** 87-45167 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Cortex | Adrenal Gland - Medulla | Bone | Bone Marrow |
| Esophagus | Gallbladder | 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 | Ovary | Pancreas |
| Parathyroid Gland | Pituitary Gland | Salivary Glands | Skeletal Muscle |
| Skin | Spleen | Stomach - Forestomach | Stomach - Glandular |
| Thymus | Thyroid Gland | Tongue | Trachea |
| Urinary Bladder | | | |

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Brain | Thalamus | Mineralization | Mild |
| Kidney | | Casts Protein | Mild |
| Liver | | Clear Cell Focus | |
| Nose | Glands | Hyperplasia | Cystic, Minimal |
| | Mucosa | Pigmentation | Minimal |
| Uterus | | Hyperplasia | Cystic, Minimal |

Note: HYPERPLASIA TGLs = 1-7,2-7

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 325 | **TRT#:** 4 | **SEX:** Female | **DAY ON TEST:** 732 |
| | **DOSE:** .033% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47931 |

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Medulla | Bone | Esophagus | Gallbladder |
| Heart | Intestine Large - Cecum | Intestine Large - Colon | Intestine Large - Rectum |
| Intestine Small - Duodenum | Intestine Small - Ileum | Intestine Small - Jejunum | Islets, Pancreatic |
| Kidney | Liver | Lung | Lymph Node - Mandibular |
| Lymph Node - Mesenteric | Mammary Gland | Ovary | Pancreas |
| Parathyroid Gland | Pituitary Gland | Salivary Glands | Skeletal Muscle |
| Skin | Spleen | Stomach - Forestomach | Stomach - Glandular |
| Thyroid Gland | Tongue | Trachea | Urinary Bladder |

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Adrenal Gland | Cortex | Accessory Adrenal Cortical Nodule | |
| Bone Marrow | | Myelofibrosis | Mild |
| Brain | Thalamus | Mineralization | Minimal |
| Nose | Mucosa | Atrophy | Minimal |
| | Mucosa | Degeneration | Minimal |
| | Glands | Hyperplasia | Cystic, Minimal |
| | Mucosa | Pigmentation | Minimal |
| Thymus | | Cyst | |
| Uterus | | Hyperplasia | Cystic, Mild |
| | | Inflammation | Suppurative, Minimal |
| | Epithelium | Metaplasia | Squamous, Mild |

Note: [ HYPERPLASIA ] TGLs = 1-7

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 326 | **TRT#:** 4 | **SEX:** Female | **DAY ON TEST:** 723 |
| | **DOSE:** .033% | **DISP:** Moribund Sacrifice | **HISTO:** 88-47064 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Medulla | Bone | Bone Marrow | Brain |
| Esophagus | Gallbladder | 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 | Pancreas | Parathyroid Gland | Pituitary Gland |
| Salivary Glands | Skeletal Muscle | Skin | Spleen |
| Stomach - Forestomach | Stomach - Glandular | Thymus | Thyroid Gland |
| Tongue | Trachea | Urinary Bladder | |

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Adrenal Gland | Capsule, Cortex | Adenoma | |
| Harderian Gland | | Adenoma | |
| Note: [ ADENOMA ] TGLs = 3-9,3-21 | | | |
| Kidney | | Casts Protein | Minimal |
| | | Hyperplasia | Lymphoid, Minimal |
| Liver | | Basophilic Focus | |
| Lymph Node | Mandibular | Hyperplasia | Plasma Cell, Mild |
| Nose | Mucosa | Atrophy | Mild |
| | Mucosa | Degeneration | Mild |
| | | Exudate | |
| | Glands | Hyperplasia | Cystic, Minimal |
| | Mucosa | Pigmentation | Minimal |
| Ovary | | Angiectasis | Mild |
| | | Cyst | |
| Note: [ CYST ] TGLs = 1-7 | | | |
| Tooth | | Dysplasia | Moderate |
| Uterus | | Hyperplasia | Cystic, Moderate |
| Note: [ HYPERPLASIA ] TGLs = 2-7 | | | |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 327 | **TRT#:** 4 | **SEX:** Female | **DAY ON TEST:** 691 |
| | **DOSE:** .033% | **DISP:** Moribund Sacrifice | **HISTO:** 88-46934 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Cortex | Adrenal Gland - Medulla | Bone | Esophagus |
| Gallbladder | Heart | Intestine Large - Cecum | Intestine Large - Colon |
| Intestine Large - Rectum | Intestine Small - Duodenum | Intestine Small - Ileum | Islets, Pancreatic |
| Liver | Lung | Lymph Node - Mandibular | Mammary Gland |
| Ovary | Pancreas | Parathyroid Gland | Pituitary Gland |
| Salivary Glands | Skeletal Muscle | Skin | Stomach - Forestomach |
| Stomach - Glandular | Thyroid Gland | Tongue | Trachea |
| Urinary Bladder | | | |

**MISSING**

Thymus

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Bone Marrow | | Hypercellularity | Mild |
| Brain | Thalamus | Mineralization | Moderate |
| Intestine Small | Jejunum | Lymphoma Malignant Mixed | |
| Note: [ LYMPH MAL MIXD ] TGLs = 4-22 | | | |
| Kidney | | Casts Protein | Minimal |
| | Renal Tubule | Pigmentation | Minimal |
| Lymph Node | Mediastinal | Lymphoma Malignant Mixed | |
| | Mesenteric | Lymphoma Malignant Mixed | |
| | Renal | Lymphoma Malignant Mixed | |
| Note: [ LYMPH MAL MIXD ] TGLs = 6-2 | | | |
| Note: [ LYMPH MAL MIXD ] TGLs = 3-21 | | | |
| Note: [ LYMPH MAL MIXD ] TGLs = 5-23 | | | |
| Nose | Mucosa | Atrophy | Minimal |
| | Mucosa | Degeneration | Minimal |
| | | Exudate | |
| | Glands | Hyperplasia | Cystic, Minimal |
| Spleen | | Hematopoietic Cell Proliferation | Moderate |
| Tissue NOS | | Lymphoma Malignant Mixed | |
| Note: TISSUE NOS IS ABDOMINAL & THORACIC FLUID | | | |

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 327 | **TRT#:** 4 | **SEX:** Female | **DAY ON TEST:** 691 |
| | **DOSE:** .033% | **DISP:** Moribund Sacrifice | **HISTO:** 88-46934 |

**ORGAN AND ACCOUNTABLE SITE STATUS**

| | | |
|---|---|---|
| Note: [ LYMPH MAL MIXD ] TGLs = 1-62,7-63 | | |
| Uterus | Hyperplasia | Cystic, Minimal |
| Note: [ HYPERPLASIA ] TGLs = 2-7 | | |
| PRIMARY CAUSE OF DEATH | - | |

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 328 | **TRT#:** 4 | **SEX:** Female | **DAY ON TEST:** 457 |
| | **DOSE:** .033% | **DISP:** Scheduled Sacrifice | **HISTO:** 87-45168 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Cortex | Adrenal Gland - Medulla | Bone | Bone Marrow |
| Gallbladder | 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 | Mammary Gland | Ovary | Pancreas |
| Parathyroid Gland | Pituitary Gland | Salivary Glands | Skeletal Muscle |
| Skin | Spleen | Stomach - Forestomach | Stomach - Glandular |
| Thyroid Gland | Tongue | Trachea | Urinary Bladder |

**MISSING**

Esophagus

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Brain | Thalamus | Mineralization | Mild |
| Kidney | | Hyperplasia | Lymphoid, Mild |
| Nose | Mucosa | Atrophy | Minimal |
| | Mucosa | Degeneration | Minimal |
| | Glands | Hyperplasia | Cystic, Minimal |
| | Mucosa | Pigmentation | Minimal |
| Thymus | | Cyst | |
| Uterus | | Hyperplasia | Cystic, Mild |

Note: HYPERPLASIA TGLs = 1-7

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 329 | **TRT#:** 4 | **SEX:** Female | **DAY ON TEST:** 656 |
| | **DOSE:** .033% | **DISP:** Moribund Sacrifice | **HISTO:** 88-46402 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Cortex | Adrenal Gland - Medulla | Bone | Esophagus |
| Gallbladder | 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 | Parathyroid Gland | Pituitary Gland | Salivary Glands |
| Skeletal Muscle | Stomach - Forestomach | Stomach - Glandular | Thyroid Gland |
| Tongue | Trachea | Urinary Bladder | |

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Bone Marrow | | Fibrosarcoma | Metastatic (Skin) |
| | | Hypercellularity | Mild |
| | | Necrosis | Mild |
| Brain | Thalamus | Mineralization | Moderate |
| Kidney | | Casts Protein | Minimal |
| | | Hyperplasia | Lymphoid, Mild |
| Liver | | Hematopoietic Cell Proliferation | Minimal |
| | | Hepatocellular Adenoma | |
| Note: [ HEPATOCLR ADEN ] TGLs = 5-21 | | | |
| Nose | Mucosa | Atrophy | Minimal |
| | Mucosa | Degeneration | Minimal |
| Ovary | | Cyst | |
| Note: [ CYST ] TGLs = 2-7 | | | |
| Pancreas | Acinar Cell | Cytoplasmic Alteration | Mild |
| | | Hyperplasia | Lymphoid, Mild |
| Note: CYTOPLASMIC ALTER. IS DEPLETION OF ZYMOGEN GRANULES | | | |
| Skin | Subcut Tiss | Fibrosarcoma | |
| Note: [ FIBROSARC ] TGLs = 6-22 | | | |
| Spleen | | Hematopoietic Cell Proliferation | Moderate |
| Note: [ HEMA CELL PROL ] TGLs = 4-6 | | | |
| Thymus | | Depletion Cellular | Mild |
| Uterus | | Hyperplasia | Cystic, Mild |

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 329 | **TRT#:** 4 | **SEX:** Female | **DAY ON TEST:** 656 |
| | **DOSE:** .033% | **DISP:** Moribund Sacrifice | **HISTO:** 88-46402 |

**ORGAN AND ACCOUNTABLE SITE STATUS**

Note: [ HYPERPLASIA ] TGLs = 3-7

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 330 | **TRT#:** 4 | **SEX:** Female | **DAY ON TEST:** 732 |
| | **DOSE:** .033% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47932 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Cortex | Adrenal Gland - Medulla | Bone | Esophagus |
| Gallbladder | 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 |
| Mammary Gland | Pancreas | Parathyroid Gland | Salivary Glands |
| Skeletal Muscle | Skin | Stomach - Forestomach | Stomach - Glandular |
| Tongue | Trachea | | |

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Bone Marrow | | Myelofibrosis | Mild |
| Brain | | Compression | |
| | Thalamus | Mineralization | Mild |
| [ Mineralization TGLS = 4-1 ] | | | |
| Kidney | | Casts Protein | Minimal |
| Lung | | Hemorrhage | Mild |
| Note: [ HEMORRHAGE ] TGLs = 2-2 | | | |
| Nose | Mucosa | Atrophy | Minimal |
| | Mucosa | Degeneration | Minimal |
| | Glands | Hyperplasia | Cystic, Minimal |
| | Mucosa | Pigmentation | Minimal |
| Ovary | | Angiectasis | Mild |
| Pituitary Gland | Pars Distalis | Adenoma | |
| Note: [ ADENOMA ] TGLs = 3-1 | | | |
| Spleen | | Pigmentation | Hemosiderin, Moderate |
| Thymus | | Depletion Cellular | Mild |
| Thyroid Gland | Follicular Cel | Hyperplasia | Moderate |
| Urinary Bladder | | Hyperplasia | Lymphoid, Mild |
| Uterus | | Hyperplasia | Cystic, Mild |
| Note: [ HYPERPLASIA ] TGLs = 1-7 | | | |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 331 | **TRT#:** 4 | **SEX:** Female | **DAY ON TEST:** 732 |
| | **DOSE:** .033% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47933 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Medulla | Bone | Bone Marrow | Esophagus |
| Gallbladder | Heart | 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 |
| Ovary | Pancreas | Parathyroid Gland | Skeletal Muscle |
| Skin | Stomach - Forestomach | Stomach - Glandular | Thymus |
| Tongue | Trachea | | |

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Adrenal Gland | Cortex | Vacuolization Cytoplasmic | Focal, Mild |
| Brain | Thalamus | Mineralization | Mild |
| Islets, Pancreatic | | Adenoma | |
| Kidney | | Hyperplasia | Lymphoid, Minimal |
| Liver | | Hyperplasia | Lymphoid, Minimal |
| | | Hyperplasia | Focal, Moderate |
| Note: [ HYPERPLASIA ] TGLs = 3-22 | | | |
| Nose | Mucosa | Atrophy | Minimal |
| | Mucosa | Degeneration | Minimal |
| | | Exudate | |
| | Glands | Hyperplasia | Cystic, Minimal |
| | Mucosa | Pigmentation | Minimal |
| Pituitary Gland | Pars Distalis | Hyperplasia | Mild |
| Salivary Glands | | Hyperplasia | Lymphoid, Minimal |
| Spleen | Lymph Follic | Hyperplasia | Mild |
| Thyroid Gland | | Degeneration | Cystic, Minimal |
| Urinary Bladder | | Hyperplasia | Lymphoid, Minimal |
| Uterus | | Angiectasis | Mild |
| | | Hyperplasia | Cystic, Moderate |
| Note: [ HYPERPLASIA ] TGLs = 2-7 | | | |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 332 | **TRT#:** 4 | **SEX:** Female | **DAY ON TEST:** 521 |
| | **DOSE:** .033% | **DISP:** Moribund Sacrifice | **HISTO:** 88-45550 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

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

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Adrenal Gland | Cortex | Accessory Adrenal Cortical Nodule | |
| Brain | | Compression | |
| | Thalamus | Mineralization | Minimal |
| [ Mineralization TGLS = 1-1 ] | | | |
| Gallbladder | | Dilatation | Moderate |
| Kidney | | Casts Protein | Minimal |
| | Renal Tubule | Regeneration | Minimal |
| Liver | | Hyperplasia | Focal, Mild |
| | Hepatocyte | Vacuolization Cytoplasmic | Mild |
| Note: [ HYPERPLASIA ] TGLs = 3-21 | | | |
| Mammary Gland | | Hyperplasia | Cystic, Minimal |
| Nose | Mucosa | Atrophy | Minimal |
| | Mucosa | Degeneration | Minimal |
| Parathyroid Gland | | Ectopic Thymus | |
| Pituitary Gland | Pars Distalis | Adenoma | |
| [ Adenoma TGLS = 2-1 ] | | | |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 333 | **TRT#:** 4 | **SEX:** Female | **DAY ON TEST:** 732 |
| | **DOSE:** .033% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47934 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Cortex | Adrenal Gland - Medulla | Bone | Bone Marrow |
| Esophagus | Gallbladder | 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 | Parathyroid Gland | Pituitary Gland |
| Skeletal Muscle | Skin | Stomach - Glandular | Thyroid Gland |
| Tongue | Trachea | | |

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Brain | Thalamus | Mineralization | Mild |
| Kidney | | Hyperplasia | Lymphoid, Mild |
| | | Mineralization | Minimal |
| Liver | | Hyperplasia | Lymphoid, Minimal |
| | | Mixed Cell Focus | |
| Note: LYMPHOID HYPERPLASIA IS ON SLIDE 22 | | | |
| Note: [ MIXED CL FOCUS ] TGLs = 3-22 | | | |
| Nose | Mucosa | Atrophy | Mild |
| | Mucosa | Degeneration | Mild |
| | | Exudate | |
| | Glands | Hyperplasia | Cystic, Mild |
| | Mucosa | Pigmentation | Minimal |
| Ovary | | Angiectasis | Mild |
| Pancreas | | Hyperplasia | Lymphoid, Mild |
| Salivary Glands | | Hyperplasia | Lymphoid, Minimal |
| Spleen | | Hematopoietic Cell Proliferation | Mild |
| | | Lymphoma Malignant Mixed | |
| Note: [ LYMPH MAL MIXD ] TGLs = 2-23 | | | |
| Stomach | Forestomach, Mucosa | Hyperplasia | Minimal |
| Thymus | | Hyperplasia | Lymphoid, Mild |
| Urinary Bladder | | Hyperplasia | Lymphoid, Moderate |
| Uterus | | Hyperplasia | Cystic, Moderate |

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 333 | **TRT#:** 4 | **SEX:** Female | **DAY ON TEST:** 732 |
| | **DOSE:** .033% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47934 |

**ORGAN AND ACCOUNTABLE SITE STATUS**

Note: [ HYPERPLASIA ] TGLs = 4-7

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 334 | **TRT#:** 4 | **SEX:** Female | **DAY ON TEST:** 458 |
| | **DOSE:** .033% | **DISP:** Scheduled Sacrifice | **HISTO:** 87-45191 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Cortex | Adrenal Gland - Medulla | Bone | Bone Marrow |
| Esophagus | Gallbladder | 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 | Mammary Gland | Ovary |
| Pancreas | Parathyroid Gland | Pituitary Gland | Salivary Glands |
| Skeletal Muscle | Skin | Spleen | Stomach - Forestomach |
| Stomach - Glandular | Thymus | Thyroid Gland | Tongue |
| Trachea | Urinary Bladder | | |

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Brain | Thalamus | Mineralization | Mild |
| Kidney | | Casts Protein | Minimal |
| | | Hyperplasia | Lymphoid, Minimal |
| | | Metaplasia | Osseous, Mild |
| Nose | Mucosa | Atrophy | Minimal |
| | Mucosa | Degeneration | Minimal |
| | Glands | Hyperplasia | Cystic, Minimal |
| Uterus | | Hyperplasia | Cystic, Minimal |
| Note: HYPERPLASIA TGLs = 1-7 | | | |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 335 | **TRT#:** 4 | **SEX:** Female | **DAY ON TEST:** 732 |
| | **DOSE:** .033% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47935 |

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Cortex | Bone | Esophagus | Gallbladder |
| Heart | Intestine Large - Cecum | Intestine Large - Colon | Intestine Large - Rectum |
| Intestine Small - Duodenum | Intestine Small - Ileum | Intestine Small - Jejunum | Islets, Pancreatic |
| Lymph Node - Mandibular | Lymph Node - Mesenteric | Mammary Gland | Ovary |
| Pancreas | Parathyroid Gland | Pituitary Gland | Salivary Glands |
| Skeletal Muscle | Skin | Stomach - Glandular | Thymus |
| Thyroid Gland | Tongue | Trachea | Urinary Bladder |

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Adrenal Gland | Medulla | Hyperplasia | Mild |
| Bone Marrow | | Myelofibrosis | Mild |
| Brain | Thalamus | Mineralization | Minimal |
| Kidney | | Casts Protein | Minimal |
| Liver | | Hepatocellular Carcinoma | |
| Note: [ HEPATOCLR CARC ] TGLs = 3-21 | | | |
| Lung | | Hepatocellular Carcinoma | Metastatic (Liver) |
| Nose | Mucosa | Atrophy | Minimal |
| | Mucosa | Degeneration | Minimal |
| | Glands | Hyperplasia | Cystic, Minimal |
| | Mucosa | Pigmentation | Minimal |
| Spleen | | Hematopoietic Cell Proliferation | Moderate |
| Note: [ HEMA CELL PROL ] TGLs = 2-6 | | | |
| Stomach | Forestomach | Squamous Cell Papilloma | |
| Note: [ PAPILLOMA SQUA ] TGLs = 4-22 | | | |
| Uterus | | Hyperplasia | Cystic, Moderate |
| | | Polyp Stromal | |
| Note: [ HYPERPLASIA ] TGLs = 1-7 | | | |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 336 | **TRT#:** 4 | **SEX:** Female | **DAY ON TEST:** 628 |
| | **DOSE:** .033% | **DISP:** Moribund Sacrifice | **HISTO:** 88-46297 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Cortex | Adrenal Gland - Medulla | Bone | Bone Marrow |
| Esophagus | Gallbladder | Heart | Intestine Large - Cecum |
| Intestine Large - Colon | Intestine Large - Rectum | Intestine Small - Ileum | Intestine Small - Jejunum |
| Islets, Pancreatic | Kidney | Lymph Node - Mandibular | Lymph Node - Mesenteric |
| Mammary Gland | Ovary | Pancreas | Parathyroid Gland |
| Pituitary Gland | Salivary Glands | Skeletal Muscle | Skin |
| Stomach - Forestomach | Thyroid Gland | Tongue | Trachea |
| Urinary Bladder | | | |

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Brain | Thalamus | Mineralization | Mild |
| Intestine Small | Duodenum | Carcinoma | |
| Note: [ CARCINOMA ] TGLs = 6-23 | | | |
| Liver | | Hepatocellular Carcinoma | |
| | Centrilobular | Necrosis | Moderate |
| Note: [ HEPATOCLR CARC ] TGLs = 5-22 | | | |
| Lung | | Alveolar/Bronchiolar Adenoma | |
| Note: [ ALV BRON ADEN ] TGLs = 7-2-1 | | | |
| Nose | Mucosa | Atrophy | Minimal |
| | Mucosa | Degeneration | Minimal |
| | Glands | Hyperplasia | Cystic, Minimal |
| | Mucosa | Pigmentation | Mild |
| Spleen | Lymph Follic | Atrophy | Moderate |
| | | Hematopoietic Cell Proliferation | Marked |
| Note: [ HEMA CELL PROL ] TGLs = 4-6 | | | |
| Stomach | Glandular | Cyst | |
| Thymus | | Depletion Cellular | Marked |
| Uterus | | Hyperplasia | Cystic, Moderate |
| Note: [ HYPERPLASIA ] TGLs = 3-7 | | | |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 337 | **TRT#:** 4 | **SEX:** Female | **DAY ON TEST:** 732 |
| | **DOSE:** .033% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47936 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Medulla | Bone | Bone Marrow | Esophagus |
| Gallbladder | Heart | Intestine Large - Cecum | Intestine Large - Colon |
| Intestine Large - Rectum | Intestine Small - Duodenum | Intestine Small - Ileum | Intestine Small - Jejunum |
| Liver | Lymph Node - Mandibular | Mammary Gland | Pancreas |
| Parathyroid Gland | Skeletal Muscle | Spleen | Stomach - Forestomach |
| Stomach - Glandular | Thymus | Tongue | Trachea |
| Urinary Bladder | | | |

**MISSING**

Pituitary Gland

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Adrenal Gland | Cortex | Hypertrophy | Focal, Mild |
| Brain | Thalamus | Mineralization | Mild |
| Islets, Pancreatic | | Adenoma | |
| Note: [ ADENOMA ] TGLs = 2-21 | | | |
| Kidney | | Casts Protein | Minimal |
| | | Hyperplasia | Lymphoid, Mild |
| | | Mineralization | Minimal |
| Lung | | Hyperplasia | Lymphoid, Minimal |
| Lymph Node | Mesenteric | Hemorrhage | Minimal |
| | Mesenteric | Hyperplasia | Lymphoid, Mild |
| Nose | Mucosa | Atrophy | Mild |
| | Mucosa | Degeneration | Mild |
| | Glands | Hyperplasia | Cystic, Minimal |
| | Mucosa | Pigmentation | Minimal |
| Ovary | | Cyst | |
| Salivary Glands | | Hyperplasia | Lymphoid, Minimal |
| Skin | | Inflammation | Chronic, Minimal |
| Thyroid Gland | | Degeneration | Cystic, Mild |
| Uterus | | Hyperplasia | Cystic, Moderate |
| Note: [ HYPERPLASIA ] TGLs = 1-7 | | | |

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 337 | **TRT#:** 4 | **SEX:** Female | **DAY ON TEST:** 732 |
| | **DOSE:** .033% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47936 |

**ORGAN AND ACCOUNTABLE SITE STATUS**

| | |
|---|---|
| PRIMARY CAUSE OF DEATH | - |

Animal Note: DUODENUM IS ON SLIDE 21

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 338 | **TRT#:** 4 | **SEX:** Female | **DAY ON TEST:** 458 |
| | **DOSE:** .033% | **DISP:** Scheduled Sacrifice | **HISTO:** 87-45192 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Cortex | Adrenal Gland - Medulla | Bone | Bone Marrow |
| Brain | Esophagus | Gallbladder | Heart |
| Intestine Large - Cecum | Intestine Large - Colon | Intestine Large - Rectum | Intestine Small - Duodenum |
| Intestine Small - Ileum | Intestine Small - Jejunum | Islets, Pancreatic | Kidney |
| Liver | Lung | Lymph Node - Mandibular | Lymph Node - Mesenteric |
| Mammary Gland | Ovary | Pancreas | Parathyroid Gland |
| Pituitary Gland | Salivary Glands | Skeletal Muscle | Skin |
| Spleen | Stomach - Forestomach | Stomach - Glandular | Thymus |
| Tongue | Trachea | | |

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Nose | Mucosa | Atrophy | Minimal |
| | Mucosa | Degeneration | Minimal |
| | Glands | Hyperplasia | Cystic, Minimal |
| | Mucosa | Pigmentation | Minimal |
| Thyroid Gland | | Degeneration | Cystic, Minimal |
| Urinary Bladder | | Hyperplasia | Lymphoid, Minimal |
| Uterus | | Hyperplasia | Cystic, Mild |

Note: HYPERPLASIA TGLs = 1-7

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 339 | **TRT#:** 4 | **SEX:** Female | **DAY ON TEST:** 659 |
| | **DOSE:** .033% | **DISP:** Moribund Sacrifice | **HISTO:** 88-46403 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Medulla | Bone | Esophagus | Gallbladder |
| Heart | Intestine Large - Cecum | Intestine Large - Colon | Intestine Large - Rectum |
| Intestine Small - Duodenum | Intestine Small - Ileum | Intestine Small - Jejunum | Islets, Pancreatic |
| Mammary Gland | Pancreas | Parathyroid Gland | Pituitary Gland |
| Salivary Glands | Skeletal Muscle | Skin | Stomach - Forestomach |
| Stomach - Glandular | Thyroid Gland | Tongue | Trachea |
| Urinary Bladder | | | |

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Adrenal Gland | Cortex | Hematopoietic Cell Proliferation | Moderate |
| Bone Marrow | | Hypercellularity | Mild |
| Brain | Thalamus | Mineralization | Minimal |
| Kidney | | Casts Protein | Minimal |
| | Renal Tubule | Regeneration | Minimal |
| Liver | | Hematopoietic Cell Proliferation | Moderate |
| | | Hepatocellular Adenoma | Multiple, Two |
| | | Hepatocellular Carcinoma | |
| | Kupffer Cell | Hyperplasia | Moderate |
| Note: [ HEPATOCLR CARC ] TGLs = 6-21 | | | |
| Note: [ HEPATOCLR ADEN ] TGLs = 7-22,11-25 | | | |
| Lung | | Bacterium | Moderate |
| | | Inflammation | Subacute, Mild |
| Lymph Node | Mesenteric | Hematopoietic Cell Proliferation | Mild |
| | Iliac | Hyperplasia | Plasma Cell, Moderate |
| | Mandibular | Hyperplasia | Lymphoid, Moderate |
| | Mediastinal | Hyperplasia | Plasma Cell, Moderate |
| | Renal | Hyperplasia | Plasma Cell, Marked |
| | Mediastinal | Inflammation | Suppurative, Moderate |
| Note: [ INFLAMMATION ] TGLs = 10-2 | | | |
| Note: [ HYPERPLASIA ] TGLs = 10-2 | | | |
| Note: [ HYPERPLASIA ] TGLs = 8-23 | | | |

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 339 | **TRT#:** 4 | **SEX:** Female | **DAY ON TEST:** 659 |
| | **DOSE:** .033% | **DISP:** Moribund Sacrifice | **HISTO:** 88-46403 |

**ORGAN AND ACCOUNTABLE SITE STATUS**

| | | | |
|---|---|---|---|
| Note: [ HYPERPLASIA ] TGLs = 9-24 | | | |
| Nose | Mucosa | Atrophy | Minimal |
| | Mucosa | Degeneration | Minimal |
| | Glands | Hyperplasia | Cystic, Minimal |
| | Mucosa | Pigmentation | Minimal |
| Ovary | | Inflammation | Suppurative, Marked |
| Note: [ INFLAMMATION ] TGLs = 3-7,4-7 | | | |
| Spleen | | Hematopoietic Cell Proliferation | Moderate |
| | Lymph Follic | Hyperplasia | Moderate |
| Note: [ HYPERPLASIA ] TGLs = 5-6 | | | |
| Note: [ HEMA CELL PROL ] TGLs = 5-6 | | | |
| Thymus | | Depletion Cellular | Mild |
| Uterus | | Hyperplasia | Cystic, Moderate |
| | | Inflammation | Suppurative, Mild |
| | Epithelium | Metaplasia | Squamous, Moderate |
| Note: [ INFLAMMATION ] TGLs = 2-7 | | | |
| Note: SMALL AREA OF NECROSIS ASSOC. W/ INFLAMM.; NOT CODED | | | |
| Note: [ HYPERPLASIA ] TGLs = 1-7 | | | |
| PRIMARY CAUSE OF DEATH | - | | |

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 340 | **TRT#:** 4 | **SEX:** Female | **DAY ON TEST:** 458 |
| | **DOSE:** .033% | **DISP:** Scheduled Sacrifice | **HISTO:** 87-45193 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Cortex | Adrenal Gland - Medulla | Bone | Esophagus |
| Gallbladder | Heart | Intestine Large - Cecum | Intestine Large - Colon |
| Intestine Large - Rectum | Intestine Small - Duodenum | Intestine Small - Ileum | Intestine Small - Jejunum |
| Islets, Pancreatic | Lung | Lymph Node - Mandibular | Lymph Node - Mesenteric |
| Mammary Gland | Pancreas | Parathyroid Gland | Skeletal Muscle |
| Skin | Spleen | Stomach - Glandular | Thymus |
| Thyroid Gland | Trachea | | |

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Bone Marrow | | Hypercellularity | Mild |
| Brain | Thalamus | Mineralization | Mild |
| Kidney | | Casts Protein | Minimal |
| | | Hyperplasia | Lymphoid, Minimal |
| Liver | | Inflammation | Subacute, Moderate |
| | Lobules | Necrosis | Mild |
| Nose | Mucosa | Atrophy | Minimal |
| | Mucosa | Degeneration | Minimal |
| | Glands | Hyperplasia | Cystic, Minimal |
| | Mucosa | Pigmentation | Minimal |
| Ovary | | Cyst | |
| | | Inflammation | Suppurative, Moderate |
| Note: CYST TGLs = 1-7 | | | |
| Note: INFLAMMATION TGLs = 1-7 | | | |
| Pituitary Gland | Pars Distalis | Hyperplasia | Minimal |
| Salivary Glands | | Hyperplasia | Lymphoid, Minimal |
| Stomach | Forestomach | Diverticulum | Mild |
| Tongue | | Inflammation | Chronic, Minimal |
| Urinary Bladder | | Hyperplasia | Lymphoid, Mild |
| Uterus | | Hyperplasia | Cystic, Mild |
| Note: HYPERPLASIA TGLs = 3-7 | | | |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 341 | **TRT#:** 4 | **SEX:** Female | **DAY ON TEST:** 732 |
| | **DOSE:** .033% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47937 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Cortex | Bone | Brain | Esophagus |
| Gallbladder | Heart | Intestine Large - Cecum | Intestine Large - Colon |
| Intestine Large - Rectum | Intestine Small - Duodenum | Intestine Small - Ileum | Intestine Small - Jejunum |
| Islets, Pancreatic | Ovary | Pancreas | Parathyroid Gland |
| Pituitary Gland | Salivary Glands | Skeletal Muscle | Skin |
| Stomach - Forestomach | Stomach - Glandular | Thymus | Thyroid Gland |
| Tongue | Trachea | Urinary Bladder | |

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Adrenal Gland | Medulla | Hyperplasia | Mild |
| Bone Marrow | | Myelofibrosis | Moderate |
| Kidney | | Casts Protein | Minimal |
| | | Lymphoma Malignant Mixed | |
| | | Metaplasia | Osseous, Minimal |
| Liver | | Hepatocellular Adenoma | |
| Note: [ HEPATOCLR ADEN ] TGLs = 8-23 | | | |
| Lung | | Hemorrhage | Moderate |
| | | Hyperplasia | Lymphoid, Mild |
| Lymph Node | Mandibular | Lymphoma Malignant Mixed | |
| | Mediastinal | Lymphoma Malignant Mixed | |
| | Mesenteric | Lymphoma Malignant Mixed | |
| | Renal | Lymphoma Malignant Mixed | |
| Note: [ LYMPH MAL MIXD ] TGLs = 2-8 | | | |
| Note: [ LYMPH MAL MIXD ] TGLs = 7-5 | | | |
| Note: [ LYMPH MAL MIXD ] TGLs = 6-22 | | | |
| Mammary Gland | | Hyperplasia | Cystic, Minimal |
| Nose | Mucosa | Atrophy | Minimal |
| | Mucosa | Degeneration | Minimal |
| | Glands | Hyperplasia | Cystic, Minimal |
| | Mucosa | Pigmentation | Minimal |
| Spleen | | Hematopoietic Cell Proliferation | Mild |

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 341 | **TRT#:** 4 | **SEX:** Female | **DAY ON TEST:** 732 |
| | **DOSE:** .033% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47937 |

**ORGAN AND ACCOUNTABLE SITE STATUS**

| | | | |
|---|---|---|---|
| | | Lymphoma Malignant Mixed | |
| Note: [ HEMA CELL PROL ] TGLs = 4-6 | | | |
| Note: [ LYMPH MAL MIXD ] TGLs = 4-6 | | | |
| Uterus | Myometrium | Hyperplasia | Moderate |
| | | Hyperplasia | Cystic, Moderate |
| Note: [ HYPERPLASIA ] TGLs = 5-7 | | | |
| Note: [ HYPERPLASIA ] TGLs = 5-7 | | | |
| PRIMARY CAUSE OF DEATH | - | | |

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 342 | **TRT#:** 4 | **SEX:** Female | **DAY ON TEST:** 681 |
| | **DOSE:** .033% | **DISP:** Moribund Sacrifice | **HISTO:** 88-46935 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Cortex | Adrenal Gland - Medulla | Bone | Esophagus |
| Heart | Intestine Large - Cecum | Intestine Large - Colon | Intestine Large - Rectum |
| Intestine Small - Duodenum | Intestine Small - Ileum | Intestine Small - Jejunum | Islets, Pancreatic |
| Mammary Gland | Pancreas | Parathyroid Gland | Pituitary Gland |
| Salivary Glands | Skeletal Muscle | Skin | Stomach - Forestomach |
| Stomach - Glandular | Tongue | Trachea | |

**MISSING**

| | |
|---|---|
| Gallbladder | Thymus |

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Bone Marrow | | Hypercellularity | Mild |
| Brain | Thalamus | Mineralization | Minimal |
| Kidney | | Casts Protein | Mild |
| | | Hyperplasia | Lymphoid, Minimal |
| Liver | | Histiocytic Sarcoma | Metastatic (Uterus) |
| | Lobules | Necrosis | Moderate |
| Note: [ NECROSIS ] TGLs = 9-6,9-22 | | | |
| Note: [ HISTIO SARC ] TGLs = 3-6,9-6,9-22,10-22 | | | |
| Lung | | Histiocytic Sarcoma | Metastatic (Uterus) |
| Lymph Node | Mandibular | Histiocytic Sarcoma | Metastatic (Uterus) |
| | Mesenteric | Histiocytic Sarcoma | Metastatic (Uterus) |
| | Pancreatic | Histiocytic Sarcoma | Metastatic (Uterus) |
| Note: [ HISTIO SARC ] TGLs = 8-21 | | | |
| Note: HEMORRHAGE ASSOC. W/ SARCOMA IN PANCREATIC NODE; NOT CODED | | | |
| Nose | Mucosa | Atrophy | Minimal |
| | Mucosa | Degeneration | Minimal |
| | | Exudate | |
| | Glands | Hyperplasia | Cystic, Minimal |
| | Mucosa | Pigmentation | Minimal |
| Ovary | | Histiocytic Sarcoma | Metastatic (Uterus) |
| Note: [ HISTIO SARC ] TGLs = 6-7 | | | |

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 342 | **TRT#:** 4 | **SEX:** Female | **DAY ON TEST:** 681 |
| | **DOSE:** .033% | **DISP:** Moribund Sacrifice | **HISTO:** 88-46935 |

**ORGAN AND ACCOUNTABLE SITE STATUS**

| | | |
|---|---|---|
| Spleen | Hematopoietic Cell Proliferation | Marked |
| Note: [ HEMA CELL PROL ] TGLs = 2-6 | | |
| Thyroid Gland | Degeneration | Cystic, Minimal |
| Urinary Bladder | Histiocytic Sarcoma | Metastatic (Uterus) |
| Uterus | Histiocytic Sarcoma | |
| | Inflammation | Suppurative, Mild |
| Note: [ HISTIO SARC ] TGLs = 4-7,11-7,11-23 | | |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 343 | **TRT#:** 4 | **SEX:** Female | **DAY ON TEST:** 732 |
| | **DOSE:** .033% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47938 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Cortex | Bone | Esophagus | Gallbladder |
| 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 | Mammary Gland |
| Ovary | Pancreas | Parathyroid Gland | Skeletal Muscle |
| Skin | Spleen | Stomach - Forestomach | Stomach - Glandular |
| Thymus | Thyroid Gland | Tongue | Trachea |
| Urinary Bladder | | | |

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Adrenal Gland | Medulla | Pheochromocytoma Benign | |
| Bone Marrow | | Pigmentation | Hemosiderin, Moderate |
| Brain | Thalamus | Mineralization | Mild |
| Kidney | Renal Tubule | Regeneration | Minimal |
| Lymph Node | Mesenteric | Hemorrhage | Minimal |
| Nose | Mucosa | Atrophy | Minimal |
| | Mucosa | Degeneration | Minimal |
| | | Exudate | |
| | Glands | Hyperplasia | Cystic, Minimal |
| | Mucosa | Pigmentation | Minimal |
| Pituitary Gland | Pars Distalis | Angiectasis | Mild |
| | Pars Distalis | Hyperplasia | Minimal |
| Salivary Glands | | Hyperplasia | Lymphoid, Minimal |
| Uterus | | Carcinoma In Situ | |
| | | Hyperplasia | Cystic, Mild |

Note: [ HYPERPLASIA ] TGLs = 1-7

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 344 | **TRT#:** 4 | **SEX:** Female | **DAY ON TEST:** 723 |
| | **DOSE:** .033% | **DISP:** Moribund Sacrifice | **HISTO:** 88-47065 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Medulla | Bone | Bone Marrow | Brain |
| Esophagus | Gallbladder | Heart | Intestine Large - Cecum |
| Intestine Large - Colon | Intestine Large - Rectum | Intestine Small - Duodenum | Intestine Small - Ileum |
| Intestine Small - Jejunum | Islets, Pancreatic | Liver | Lung |
| Mammary Gland | Ovary | Pancreas | Parathyroid Gland |
| Pituitary Gland | Salivary Glands | Skeletal Muscle | Skin |
| Spleen | Stomach - Forestomach | Stomach - Glandular | Thymus |
| Thyroid Gland | Tongue | Trachea | |

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Adrenal Gland | Capsule, Cortex | Adenoma | |
| Harderian Gland | | Adenoma | |
| Note: [ ADENOMA ] TGLs = 3-9,3-21 | | | |
| Kidney | | Hyperplasia | Lymphoid, Minimal |
| Lymph Node | Mandibular | Hyperplasia | Plasma Cell, Moderate |
| | Mesenteric | Hyperplasia | Lymphoid, Marked |
| Note: [ HYPERPLASIA ] TGLs = 1-8 | | | |
| Nose | Mucosa | Atrophy | Mild |
| | Mucosa | Degeneration | Mild |
| | Glands | Hyperplasia | Cystic, Minimal |
| | Mucosa | Pigmentation | Minimal |
| Urinary Bladder | | Hyperplasia | Lymphoid, Minimal |
| Uterus | | Hyperplasia | Cystic, Mild |
| Note: [ HYPERPLASIA ] TGLs = 2-7 | | | |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 345 | **TRT#:** 4 | **SEX:** Female | **DAY ON TEST:** 732 |
| | **DOSE:** .033% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47939 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Cortex | Adrenal Gland - Medulla | Bone | Bone Marrow |
| Esophagus | Gallbladder | 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 | Pancreas |
| Parathyroid Gland | Skeletal Muscle | Skin | Spleen |
| Stomach - Forestomach | Stomach - Glandular | Thymus | Thyroid Gland |
| Tongue | Trachea | Urinary Bladder | |

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Brain | Thalamus | Mineralization | Mild |
| Liver | | Clear Cell Focus | |
| | | Hepatocellular Adenoma | |
| | Lobules | Necrosis | Minimal |
| Note: [ HEPATOCLR ADEN ] TGLs = 3-21 | | | |
| Nose | Mucosa | Atrophy | Minimal |
| | Mucosa | Degeneration | Minimal |
| | | Exudate | |
| | Glands | Hyperplasia | Cystic, Minimal |
| | Mucosa | Pigmentation | Minimal |
| Ovary | | Cyst | |
| Note: [ CYST ] TGLs = 2-7 | | | |
| Pituitary Gland | Pars Distalis | Hyperplasia | Minimal |
| Salivary Glands | | Hyperplasia | Lymphoid, Mild |
| Uterus | | Hyperplasia | Cystic, Moderate |
| Note: [ HYPERPLASIA ] TGLs = 1-7 | | | |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 346 | **TRT#:** 4 | **SEX:** Female | **DAY ON TEST:** 732 |
| | **DOSE:** .033% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47940 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Cortex | Adrenal Gland - Medulla | Bone | Bone Marrow |
| Esophagus | Gallbladder | Heart | Intestine Large - Cecum |
| Intestine Large - Colon | Intestine Large - Rectum | Intestine Small - Duodenum | Intestine Small - Ileum |
| Intestine Small - Jejunum | Kidney | Liver | Lung |
| Lymph Node - Mandibular | Lymph Node - Mesenteric | Mammary Gland | Ovary |
| Pancreas | Parathyroid Gland | Pituitary Gland | Salivary Glands |
| Skeletal Muscle | Skin | Stomach - Forestomach | Stomach - Glandular |
| Thyroid Gland | Tongue | Trachea | |

**MISSING**

Thymus

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Brain | Thalamus | Mineralization | Mild |
| Islets, Pancreatic | | Hyperplasia | Moderate |
| Nose | Mucosa | Atrophy | Minimal |
| | Mucosa | Degeneration | Minimal |
| | Glands | Hyperplasia | Cystic, Minimal |
| | Mucosa | Pigmentation | Minimal |
| Spleen | | Pigmentation | Hemosiderin, Moderate |
| Urinary Bladder | | Hyperplasia | Lymphoid, Mild |
| Uterus | | Hyperplasia | Cystic, Mild |

Note: [ HYPERPLASIA ] TGLs = 1-7

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 347 | **TRT#:** 4 | **SEX:** Female | **DAY ON TEST:** 732 |
| | **DOSE:** .033% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47941 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Cortex | Adrenal Gland - Medulla | Bone | Esophagus |
| Gallbladder | Heart | Intestine Large - Cecum | Intestine Large - Colon |
| Intestine Large - Rectum | Intestine Small - Duodenum | Intestine Small - Ileum | Intestine Small - Jejunum |
| Islets, Pancreatic | Lymph Node - Mandibular | Lymph Node - Mesenteric | Ovary |
| Pancreas | Parathyroid Gland | Salivary Glands | Skeletal Muscle |
| Skin | Spleen | Stomach - Forestomach | Stomach - Glandular |
| Thymus | Tongue | Trachea | |

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Bone Marrow | | Myelofibrosis | Minimal |
| Brain | | Compression | |
| | Thalamus | Mineralization | Mild |
| [ Mineralization TGLS = 3-1 ] | | | |
| Kidney | | Casts Protein | Minimal |
| | | Hyperplasia | Lymphoid, Minimal |
| | Renal Tubule | Regeneration | Minimal |
| Liver | | Mixed Cell Focus | |
| Lung | | Hyperplasia | Lymphoid, Mild |
| Mammary Gland | | Hyperplasia | Cystic, Moderate |
| Nose | Mucosa | Atrophy | Minimal |
| | Mucosa | Degeneration | Minimal |
| | Glands | Hyperplasia | Cystic, Minimal |
| | Mucosa | Pigmentation | Minimal |
| Pituitary Gland | Pars Distalis | Adenoma | |
| Note: [ ADENOMA ] TGLs = 2-1 | | | |
| Thyroid Gland | Follicular Cel | Hyperplasia | Minimal |
| Urinary Bladder | | Hyperplasia | Lymphoid, Minimal |
| Uterus | | Hyperplasia | Cystic, Mild |
| Note: SLIGHT LYMPHOID INFILTRATE IN MYOMETRIUM; NOT CODED | | | |
| Note: [ HYPERPLASIA ] TGLs = 1-7 | | | |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 348 | **TRT#:** 4 | **SEX:** Female | **DAY ON TEST:** 732 |
| | **DOSE:** .033% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47942 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Cortex | Adrenal Gland - Medulla | Bone | Bone Marrow |
| Esophagus | Gallbladder | Heart | Intestine Large - Cecum |
| Intestine Large - Colon | Intestine Large - Rectum | Intestine Small - Duodenum | Intestine Small - Ileum |
| Intestine Small - Jejunum | Islets, Pancreatic | Lymph Node - Mandibular | Lymph Node - Mesenteric |
| Mammary Gland | Ovary | Pancreas | Parathyroid Gland |
| Salivary Glands | Skeletal Muscle | Skin | Spleen |
| Stomach - Forestomach | Stomach - Glandular | Thymus | Tongue |
| Trachea | | | |

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Brain | Thalamus | Mineralization | Minimal |
| Kidney | Renal Tubule | Regeneration | Minimal |
| Liver | | Cyst | |
| | | Hepatocellular Adenoma | |
| Note: [ CYST ] TGLs = 2-22 | | | |
| Note: [ HEPATOCLR ADEN ] TGLs = 3-23 | | | |
| Lung | | Alveolar/Bronchiolar Adenoma | |
| Note: [ ALV BRON ADEN ] TGLs = 4-2-1 | | | |
| Nose | Mucosa | Atrophy | Minimal |
| | Mucosa | Degeneration | Minimal |
| | | Exudate | |
| | Glands | Hyperplasia | Cystic, Minimal |
| | Mucosa | Pigmentation | Minimal |
| Pituitary Gland | Pars Distalis | Hyperplasia | Minimal |
| Thyroid Gland | Follicular Cel | Hyperplasia | Mild |
| Note: PIGMENT IN FOLLICULAR CELLS CONSIDERED STAINING ARTIFACT | | | |
| Urinary Bladder | | Hyperplasia | Lymphoid, Minimal |
| Uterus | | Hyperplasia | Cystic, Mild |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 349 | **TRT#:** 4 | **SEX:** Female | **DAY ON TEST:** 638 |
| | **DOSE:** .033% | **DISP:** Moribund Sacrifice | **HISTO:** 88-46298 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Cortex | Adrenal Gland - Medulla | Bone | Bone Marrow |
| Esophagus | Gallbladder | Heart | Intestine Large - Cecum |
| Intestine Large - Colon | Intestine Large - Rectum | Intestine Small - Duodenum | Intestine Small - Ileum |
| Intestine Small - Jejunum | Islets, Pancreatic | Lymph Node - Mandibular | Lymph Node - Mesenteric |
| Mammary Gland | Ovary | Pancreas | Parathyroid Gland |
| Pituitary Gland | Skeletal Muscle | Skin | Stomach - Forestomach |
| Thymus | Thyroid Gland | Tongue | Trachea |
| Urinary Bladder | | | |

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Brain | Thalamus | Mineralization | Minimal |
| Kidney | | Casts Protein | Minimal |
| | | Hyperplasia | Lymphoid, Minimal |
| Liver | | Hepatocellular Carcinoma | |
| Note: [ HEPATOCLR CARC ] TGLs = 2-21 | | | |
| Lung | | Hemorrhage | Minimal |
| | Alveolar Epith | Hyperplasia | Mild |
| | | Infiltration Cellular | Histiocyte, Moderate |
| Note: SLIGHT AMOUNT OF FIBROSIS & CHRONIC INFLAMM. ASSOC. W/ | | | |
| Note: HISTIOCYTIC CELL. INFILTRATE | | | |
| Nose | Mucosa | Atrophy | Minimal |
| | Mucosa | Degeneration | Minimal |
| | | Exudate | |
| | Glands | Hyperplasia | Cystic, Minimal |
| | Mucosa | Pigmentation | Minimal |
| Salivary Glands | | Hyperplasia | Lymphoid, Minimal |
| Spleen | | Hematopoietic Cell Proliferation | Moderate |
| Note: [ HEMA CELL PROL ] TGLs = 1-6 | | | |
| Stomach | Glandular | Ulcer | Mild |
| Note: ULCER IS NEAR JUNCTION OF GLANDULAR & FORESTOMACH | | | |
| Uterus | | Hyperplasia | Cystic, Minimal |

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 349 | **TRT#:** 4 | **SEX:** Female | **DAY ON TEST:** 638 |
| | **DOSE:** .033% | **DISP:** Moribund Sacrifice | **HISTO:** 88-46298 |

**ORGAN AND ACCOUNTABLE SITE STATUS**

| | |
|---|---|
| PRIMARY CAUSE OF DEATH | - |

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 350 | **TRT#:** 4 | **SEX:** Female | **DAY ON TEST:** 458 |
| | **DOSE:** .033% | **DISP:** Scheduled Sacrifice | **HISTO:** 87-45194 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Cortex | Adrenal Gland - Medulla | Bone | Bone Marrow |
| Esophagus | Gallbladder | 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 | Mammary Gland | Ovary |
| Pancreas | Parathyroid Gland | Pituitary Gland | Salivary Glands |
| Skeletal Muscle | Skin | Spleen | Stomach - Forestomach |
| Stomach - Glandular | Thymus | Thyroid Gland | Tongue |
| Trachea | Urinary Bladder | | |

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Brain | Thalamus | Mineralization | Minimal |
| Kidney | | Casts Protein | Minimal |
| | | Hyperplasia | Lymphoid, Minimal |
| Nose | Mucosa | Atrophy | Minimal |
| | Mucosa | Degeneration | Minimal |
| | Glands | Hyperplasia | Cystic, Minimal |
| | Mucosa | Pigmentation | Minimal |
| Uterus | | Hyperplasia | Cystic, Mild |
| Note: HYPERPLASIA TGLs = 1-7 | | | |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 351 | **TRT#:** 4 | **SEX:** Female | **DAY ON TEST:** 714 |
| | **DOSE:** .033% | **DISP:** Natural Death | **HISTO:** 88-46936 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Cortex | Adrenal Gland - Medulla | Bone Marrow | Gallbladder |
| Intestine Large - Cecum | Intestine Large - Colon | Intestine Large - Rectum | Intestine Small - Jejunum |
| Islets, Pancreatic | Mammary Gland | Ovary | Pancreas |
| Parathyroid Gland | Pituitary Gland | Salivary Glands | Skeletal Muscle |
| Skin | Stomach - Forestomach | Stomach - Glandular | Thyroid Gland |
| Tongue | Trachea | Urinary Bladder | |

**MISSING**

| | | |
|---|---|---|
| Esophagus | Intestine Small - Ileum | Lymph Node - Mesenteric |

**INSUFFICIENT TISSUE**

Intestine Small - Duodenum

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Bone | | Osteosarcoma | |
| Note: [ OSTEOSARC ] TGLs = 1-21 | | | |
| Brain | Thalamus | Mineralization | Mild |
| Heart | Myocardium | Inflammation | Chronic, Minimal |
| Kidney | | Casts Protein | Minimal |
| Liver | | Hyperplasia | Lymphoid, Minimal |
| Note: HEPATOCLR VACUOLIZATION PRESUMED TO BE PROCESSING ARTIFACT | | | |
| Lung | | Hemorrhage | Moderate |
| | | Osteosarcoma | Metastatic (Bone) |
| Note: [ HEMORRHAGE ] TGLs = 3-2-1,4-2-1 | | | |
| Lymph Node | Mandibular | Pigmentation | Moderate |
| Nose | Mucosa | Atrophy | Minimal |
| | Mucosa | Degeneration | Minimal |
| | | Exudate | |
| | Glands | Hyperplasia | Cystic, Minimal |
| | Mucosa | Pigmentation | Minimal |
| Spleen | | Hematopoietic Cell Proliferation | Moderate |
| Note: [ HEMA CELL PROL ] TGLs = 5-6 | | | |
| Thymus | | Depletion Cellular | Moderate |

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 351 | **TRT#:** 4 | **SEX:** Female | **DAY ON TEST:** 714 |
| | **DOSE:** .033% | **DISP:** Natural Death | **HISTO:** 88-46936 |

**ORGAN AND ACCOUNTABLE SITE STATUS**

| | | |
|---|---|---|
| Uterus | Angiectasis | Moderate |
| | Hyperplasia | Cystic, Mild |
| Note: [ ANGIECTASIS ] TGLs = 2-7-1 | | |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 352 | **TRT#:** 4 | **SEX:** Female | **DAY ON TEST:** 706 |
| | **DOSE:** .033% | **DISP:** Natural Death | **HISTO:** 88-46937 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Cortex | Adrenal Gland - Medulla | Bone | Bone Marrow |
| Esophagus | Heart | Intestine Large - Cecum | Intestine Large - Colon |
| Intestine Large - Rectum | Intestine Small - Duodenum | Intestine Small - Ileum | Intestine Small - Jejunum |
| Islets, Pancreatic | Liver | Lung | Lymph Node - Mandibular |
| Mammary Gland | Pancreas | Parathyroid Gland | Salivary Glands |
| Skeletal Muscle | Skin | Stomach - Forestomach | Stomach - Glandular |
| Thymus | Thyroid Gland | Tongue | Trachea |

**MISSING**

| | |
|---|---|
| Lymph Node - Mesenteric | Pituitary Gland |

**AUTO PRECLUDES DIAG.**

Gallbladder

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Brain | Thalamus | Mineralization | Minimal |
| Kidney | | Hyperplasia | Lymphoid, Minimal |
| Nose | Mucosa | Atrophy | Minimal |
| | Mucosa | Degeneration | Minimal |
| | Glands | Hyperplasia | Cystic, Minimal |
| | Mucosa | Pigmentation | Minimal |
| Ovary | | Cyst | |
| | | Hemorrhage | Marked |
| Note: [ CYST ] TGLs = 2-7-1 | | | |
| Note: [ HEMORRHAGE ] TGLs = 2-7-1 | | | |
| Spleen | | Hematopoietic Cell Proliferation | Moderate |
| Urinary Bladder | | Hyperplasia | Lymphoid, Moderate |
| Uterus | | Hydrometra | Moderate |
| | | Hyperplasia | Cystic, Mild |
| Note: [ HYDROMETRA ] TGLs = 4-7 | | | |
| Note: [ HYPERPLASIA ] TGLs = 3-7 | | | |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 353 | **TRT#:** 4 | **SEX:** Female | **DAY ON TEST:** 458 |
| | **DOSE:** .033% | **DISP:** Scheduled Sacrifice | **HISTO:** 87-45195 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Cortex | Adrenal Gland - Medulla | Bone | Bone Marrow |
| Esophagus | Gallbladder | 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 | Mammary Gland | Ovary |
| Pancreas | Parathyroid Gland | Pituitary Gland | Salivary Glands |
| Skeletal Muscle | Skin | Spleen | Stomach - Forestomach |
| Stomach - Glandular | Thymus | Thyroid Gland | Tongue |
| Trachea | Urinary Bladder | | |

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Brain | Thalamus | Mineralization | Mild |
| Kidney | | Casts Protein | Minimal |
| | | Cyst | |
| Note: CYST TGLs = 3-21 | | | |
| Nose | Mucosa | Atrophy | Minimal |
| | Mucosa | Degeneration | Minimal |
| | Glands | Hyperplasia | Cystic, Minimal |
| | Mucosa | Pigmentation | Minimal |
| Uterus | | Hyperplasia | Cystic, Mild |
| Note: HYPERPLASIA TGLs = 1-7,2-7 | | | |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 354 | **TRT#:** 4 | **SEX:** Female | **DAY ON TEST:** 732 |
| | **DOSE:** .033% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47943 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Cortex | Adrenal Gland - Medulla | Bone | Esophagus |
| Gallbladder | 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 |
| Mammary Gland | Pancreas | Parathyroid Gland | Salivary Glands |
| Skeletal Muscle | Skin | Spleen | Stomach - Forestomach |
| Stomach - Glandular | Thyroid Gland | Tongue | Trachea |
| Urinary Bladder | | | |

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Bone Marrow | | Myelofibrosis | Mild |
| Brain | Thalamus | Mineralization | Mild |
| Kidney | | Hyperplasia | Lymphoid, Minimal |
| | Renal Tubule | Regeneration | Minimal |
| Lung | | Hyperplasia | Lymphoid, Minimal |
| | | Infiltration Cellular | Histiocyte, Minimal |
| Nose | Mucosa | Atrophy | Mild |
| | Mucosa | Degeneration | Mild |
| | | Exudate | |
| | Glands | Hyperplasia | Cystic, Minimal |
| | Mucosa | Pigmentation | Minimal |
| Ovary | | Angiectasis | Mild |
| Pituitary Gland | Pars Distalis | Angiectasis | Mild |
| | Pars Distalis | Hyperplasia | Mild |
| Thymus | | Cyst | |
| Uterus | | Hyperplasia | Cystic, Mild |
| Note: [ HYPERPLASIA ] TGLs = 1-7 | | | |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 355 | **TRT#:** 4 | **SEX:** Female | **DAY ON TEST:** 638 |
| | **DOSE:** .033% | **DISP:** Moribund Sacrifice | **HISTO:** 88-46299 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Medulla | Bone | Esophagus | Gallbladder |
| Heart | Intestine Large - Cecum | Intestine Large - Colon | Intestine Large - Rectum |
| Intestine Small - Duodenum | Intestine Small - Ileum | Islets, Pancreatic | Kidney |
| Lung | Lymph Node - Mandibular | Mammary Gland | Parathyroid Gland |
| Salivary Glands | Skeletal Muscle | Skin | Stomach - Forestomach |
| Stomach - Glandular | Thymus | Tongue | Trachea |
| Urinary Bladder | | | |

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Adrenal Gland | Cortex, X-Zone | Degeneration | Fatty, Moderate |
| Bone Marrow | | Myelofibrosis | Mild |
| Brain | Thalamus | Mineralization | Moderate |
| Intestine Small | Jejunum | Hyperplasia | Lymphoid, Moderate |
| Note: [ HYPERPLASIA ] TGLs = 7-23 | | | |
| Liver | | Inflammation | Subacute, Minimal |
| Lymph Node | Mediastinal | Fibrous Histiocytoma | |
| | Mesenteric | Fibrous Histiocytoma | |
| | Renal | Fibrous Histiocytoma | |
| Note: [ FIB HISTIOCYT ] TGLs = 8-24 | | | |
| Note: [ FIB HISTIOCYT ] TGLs = 6-22 | | | |
| Note: [ FIB HISTIOCYT ] TGLs = 9-2 | | | |
| Mesentery | | Fibrous Histiocytoma | |
| Note: [ FIB HISTIOCYT ] TGLs = 5-21 | | | |
| Note: FIB HISTIOCYT ALSO PRESENT ON SLIDE 7 | | | |
| Nose | Mucosa | Atrophy | Minimal |
| | Mucosa | Degeneration | Minimal |
| | Glands | Hyperplasia | Cystic, Minimal |
| | Mucosa | Pigmentation | Minimal |
| Ovary | | Cyst | |
| Note: [ CYST ] TGLs = 1-7 | | | |
| Pancreas | | Fibrous Histiocytoma | |

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 355 | **TRT#:** 4 | **SEX:** Female | **DAY ON TEST:** 638 |
| | **DOSE:** .033% | **DISP:** Moribund Sacrifice | **HISTO:** 88-46299 |

**ORGAN AND ACCOUNTABLE SITE STATUS**

| | | | |
|---|---|---|---|
| Note: THE FIB HISTIOCYT IS ON SLIDE 21 | | | |
| Pituitary Gland | Pars Distalis | Adenoma | |
| Spleen | Lymph Follic | Hyperplasia | Moderate |
| Note: [ HYPERPLASIA ] TGLs = 4-6 | | | |
| Thyroid Gland | Follicular Cel | Hyperplasia | Moderate |
| Note: [ HYPERPLASIA ] TGLs = 10-3 | | | |
| Uterus | | Hyperplasia | Cystic, Moderate |
| Note: [ HYPERPLASIA ] TGLs = 2-7,3-7 | | | |
| PRIMARY CAUSE OF DEATH | - | | |

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 356 | **TRT#:** 4 | **SEX:** Female | **DAY ON TEST:** 732 |
| | **DOSE:** .033% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47944 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Cortex | Adrenal Gland - Medulla | Bone | Esophagus |
| Gallbladder | 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 | Mammary Gland | Pancreas | Parathyroid Gland |
| Skeletal Muscle | Skin | Spleen | Stomach - Forestomach |
| Stomach - Glandular | Thymus | Tongue | Trachea |

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Bone Marrow | | Myelofibrosis | Minimal |
| Brain | Thalamus | Mineralization | Minimal |
| Harderian Gland | | Adenoma | |
| Kidney | | Casts Protein | Minimal |
| | | Hyperplasia | Lymphoid, Minimal |
| Nose | Mucosa | Degeneration | Minimal |
| | | Exudate | |
| | Glands | Hyperplasia | Cystic, Minimal |
| | Mucosa | Pigmentation | Minimal |
| Ovary | | Angiectasis | Mild |
| | | Cyst | |
| Pituitary Gland | Pars Distalis | Adenoma | |
| Note: [ ADENOMA ] TGLs = 2-1 | | | |
| Salivary Glands | | Hyperplasia | Lymphoid, Mild |
| Thyroid Gland | Follicle | Cyst | |
| Urinary Bladder | | Hyperplasia | Lymphoid, Mild |
| Uterus | | Hyperplasia | Cystic, Mild |
| Note: [ HYPERPLASIA ] TGLs = 1-7 | | | |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 357 | **TRT#:** 4 | **SEX:** Female | **DAY ON TEST:** 701 |
| | **DOSE:** .033% | **DISP:** Natural Death | **HISTO:** 88-46938 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Cortex | Adrenal Gland - Medulla | Bone | Bone Marrow |
| Brain | Esophagus | Gallbladder | Heart |
| Intestine Large - Cecum | Intestine Large - Colon | Intestine Large - Rectum | Intestine Small - Duodenum |
| Intestine Small - Ileum | Intestine Small - Jejunum | Islets, Pancreatic | Liver |
| Mammary Gland | Parathyroid Gland | Skeletal Muscle | Skin |
| Stomach - Forestomach | Stomach - Glandular | Thyroid Gland | Tongue |
| Trachea | | | |

**MISSING**

Pituitary Gland

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Kidney | | Casts Protein | Minimal |
| | Renal Tubule | Necrosis | Mild |
| Lung | | Alveolar/Bronchiolar Adenoma | |
| Note: [ ALV BRON ADEN ] TGLs = 5-2-1 | | | |
| Lymph Node | Mandibular | Hyperplasia | Plasma Cell, Mild |
| | Mesenteric | Necrosis | Mild |
| | Mandibular | Pigmentation | Moderate |
| Nose | Mucosa | Atrophy | Minimal |
| | Mucosa | Degeneration | Minimal |
| | | Exudate | |
| | Glands | Hyperplasia | Cystic, Mild |
| | Mucosa | Pigmentation | Minimal |
| Ovary | | Cyst | |
| | | Hemorrhage | Mild |
| | | Inflammation | Suppurative, Marked |
| Note: [ CYST ] TGLs = 2-7 | | | |
| Note: [ INFLAMMATION ] TGLs = 3-7.1 | | | |
| Pancreas | Acinar Cell | Cytoplasmic Alteration | Mild |
| Salivary Glands | | Atrophy | Moderate |
| Spleen | | Hematopoietic Cell Proliferation | Mild |

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 357 | **TRT#:** 4 | **SEX:** Female | **DAY ON TEST:** 701 |
| | **DOSE:** .033% | **DISP:** Natural Death | **HISTO:** 88-46938 |

**ORGAN AND ACCOUNTABLE SITE STATUS**

| | | |
|---|---|---|
| | Pigmentation | Hemosiderin, Mild |
| Note: [ HEMA CELL PROL ] TGLs = 4-6 | | |
| Thymus | Depletion Cellular | Moderate |
| Urinary Bladder | Edema | Moderate |
| Uterus | Hyperplasia | Cystic, Mild |
| Note: [ HYPERPLASIA ] TGLs = 1-7 | | |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 358 | **TRT#:** 4 | **SEX:** Female | **DAY ON TEST:** 732 |
| | **DOSE:** .033% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47945 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Medulla | Bone | Bone Marrow | Esophagus |
| Gallbladder | 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 | Ovary | Pancreas | Parathyroid Gland |
| Skeletal Muscle | Skin | Stomach - Glandular | Thymus |
| Tongue | Trachea | Urinary Bladder | |

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Adrenal Gland | Cortex | Accessory Adrenal Cortical Nodule | |
| Note: FOCUS OF MEDULLARY CELLS BENEATH CAPSULE; NOT CODED | | | |
| Brain | Thalamus | Mineralization | Mild |
| Kidney | | Casts Protein | Minimal |
| | | Hyperplasia | Lymphoid, Minimal |
| Liver | Lobules | Necrosis | Marked |
| Note: [ NECROSIS ] TGLs = 3-21 | | | |
| Nose | Mucosa | Atrophy | Minimal |
| | Mucosa | Degeneration | Minimal |
| | | Exudate | |
| | Glands | Hyperplasia | Cystic, Minimal |
| | Mucosa | Pigmentation | Minimal |
| Pituitary Gland | Pars Distalis | Adenoma | |
| Note: [ ADENOMA ] TGLs = 4-1 | | | |
| Salivary Glands | | Hyperplasia | Lymphoid, Mild |
| Spleen | | Pigmentation | Hemosiderin, Mild |
| Stomach | Forestomach, Mucosa | Hyperplasia | Minimal |
| Note: [ HYPERPLASIA ] TGLs = 5-4-1 | | | |
| Thyroid Gland | Follicular Cel | Hyperplasia | Minimal |
| Uterus | | Hemangioma | |
| | | Hyperplasia | Cystic, Mild |
| Note: [ HEMANGIOMA ] TGLs = 1-7 | | | |

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 358 | **TRT#:** 4 | **SEX:** Female | **DAY ON TEST:** 732 |
| | **DOSE:** .033% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47945 |

**ORGAN AND ACCOUNTABLE SITE STATUS**

Note: [ HYPERPLASIA ] TGLs = 2-7

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 359 | **TRT#:** 4 | **SEX:** Female | **DAY ON TEST:** 732 |
| | **DOSE:** .033% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47946 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Cortex | Adrenal Gland - Medulla | Bone | Bone Marrow |
| Clitoral Gland | Esophagus | Gallbladder | 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 | Mammary Gland | Ovary |
| Pancreas | Parathyroid Gland | Salivary Glands | Skeletal Muscle |
| Skin | Stomach - Forestomach | Stomach - Glandular | Thymus |
| Tongue | Trachea | | |

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Brain | Thalamus | Mineralization | Moderate |
| Liver | | Hepatocellular Adenoma | Multiple, Two |
| | | Hepatocellular Carcinoma | |
| Note: [ HEPATOCLR CARC ] TGLs = 5-22 | | | |
| Note: [ HEPATOCLR ADEN ] TGLs = 4-21,6-23 | | | |
| Lymph Node | Mesenteric | Hematopoietic Cell Proliferation | Mild |
| | Mesenteric | Hemorrhage | Moderate |
| Note: [ HEMORRHAGE ] TGLs = 8-5 | | | |
| Note: [ HEMA CELL PROL ] TGLs = 8-5 | | | |
| Nose | Mucosa | Atrophy | Minimal |
| | Mucosa | Degeneration | Minimal |
| | Glands | Hyperplasia | Cystic, Minimal |
| | Mucosa | Pigmentation | Minimal |
| Pituitary Gland | Pars Distalis | Adenoma | |
| Note: [ ADENOMA ] TGLs = 7-1 | | | |
| Spleen | | Hematopoietic Cell Proliferation | Moderate |
| Note: [ HEMA CELL PROL ] TGLs = 3-6 | | | |
| Thyroid Gland | | Degeneration | Cystic, Minimal |
| | Follicular Cel | Hyperplasia | Minimal |
| Urinary Bladder | | Hyperplasia | Lymphoid, Minimal |
| Uterus | | Hyperplasia | Cystic, Mild |

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 359 | **TRT#:** 4 | **SEX:** Female | **DAY ON TEST:** 732 |
| | **DOSE:** .033% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47946 |

**ORGAN AND ACCOUNTABLE SITE STATUS**

Note: [ HYPERPLASIA ] TGLs = 2-7

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 360 | **TRT#:** 4 | **SEX:** Female | **DAY ON TEST:** 544 |
| | **DOSE:** .033% | **DISP:** Moribund Sacrifice | **HISTO:** 88-45680 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Medulla | Bone | Esophagus | Gallbladder |
| Intestine Large - Cecum | Intestine Large - Colon | Intestine Large - Rectum | Intestine Small - Duodenum |
| Intestine Small - Ileum | Intestine Small - Jejunum | Islets, Pancreatic | Lung |
| Lymph Node - Mandibular | Mammary Gland | Pancreas | Parathyroid Gland |
| Pituitary Gland | Salivary Glands | Skeletal Muscle | Stomach - Forestomach |
| Stomach - Glandular | Thymus | Thyroid Gland | Tongue |
| Trachea | Urinary Bladder | | |

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Adrenal Gland | Cortex | Hematopoietic Cell Proliferation | Moderate |
| Bone Marrow | | Hypercellularity | Marked |
| Brain | Thalamus | Mineralization | Mild |
| Heart | Myocardium | Inflammation | Chronic, Minimal |
| Kidney | | Casts Protein | Minimal |
| | | Hyperplasia | Lymphoid, Mild |
| | Renal Tubule | Regeneration | Mild |
| Liver | | Angiectasis | Mild |
| | | Hematopoietic Cell Proliferation | Moderate |
| | | Hepatocellular Adenoma | |
| | Kupffer Cell | Hyperplasia | Moderate |
| | | Hyperplasia | Lymphoid, Marked |
| Note: [ ANGIECTASIS ] TGLs = 8-24 | | | |
| Note: [ HEPATOCLR ADEN ] TGLs = 4-21 | | | |
| Lymph Node | Mesenteric | Hematopoietic Cell Proliferation | Mild |
| | Iliac | Hyperplasia | Lymphoid, Moderate |
| | Iliac | Hyperplasia | Plasma Cell, Moderate |
| | Mediastinal | Hyperplasia | Plasma Cell, Moderate |
| | Renal | Hyperplasia | Plasma Cell, Moderate |
| Note: [ HYPERPLASIA ] TGLs = 6-23 | | | |
| Note: [ HYPERPLASIA ] TGLs = 7-2 | | | |
| Note: [ HYPERPLASIA ] TGLs = 5-22 | | | |

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 360 | **TRT#:** 4 | **SEX:** Female | **DAY ON TEST:** 544 |
| | **DOSE:** .033% | **DISP:** Moribund Sacrifice | **HISTO:** 88-45680 |

**ORGAN AND ACCOUNTABLE SITE STATUS**

| | | | |
|---|---|---|---|
| Note: [ HYPERPLASIA ] TGLs = 6-23 | | | |
| Mesentery | | Inflammation | Suppurative, Marked |
| Note: [ INFLAMMATION ] TGLs = 2-7-1 | | | |
| Nose | Mucosa | Atrophy | Minimal |
| | Mucosa | Degeneration | Minimal |
| | Glands | Hyperplasia | Cystic, Minimal |
| | Mucosa | Pigmentation | Minimal |
| Ovary | | Inflammation | Suppurative, Marked |
| Note: [ INFLAMMATION ] TGLs = 1-7,2-7-1 | | | |
| Skin | Subcut Tiss | Edema | Moderate |
| Spleen | | Hematopoietic Cell Proliferation | Moderate |
| | Lymph Follic | Hyperplasia | Moderate |
| Note: [ HYPERPLASIA ] TGLs = 3-6 | | | |
| Note: [ HEMA CELL PROL ] TGLs = 3-6 | | | |
| Uterus | | Hyperplasia | Cystic, Mild |
| | | Inflammation | Suppurative, Mild |
| | Epithelium | Metaplasia | Squamous, Mild |
| PRIMARY CAUSE OF DEATH | - | | |

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 361 | **TRT#:** 6 | **SEX:** Female | **DAY ON TEST:** 731 |
| | **DOSE:** .1% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47883 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Medulla | Bone | Esophagus | Gallbladder |
| 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 | Pancreas | Parathyroid Gland | Pituitary Gland |
| Skeletal Muscle | Skin | Stomach - Forestomach | Stomach - Glandular |
| Thymus | Thyroid Gland | Tongue | Trachea |

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Adrenal Gland | Cortex | Accessory Adrenal Cortical Nodule | |
| | Capsule, Cortex | Hyperplasia | Mild |
| Bone Marrow | | Hypercellularity | Moderate |
| Brain | Thalamus | Mineralization | Mild |
| Liver | Kupffer Cell | Hyperplasia | Mild |
| | | Hyperplasia | Focal, Mild |
| | | Inflammation | Subacute, Mild |
| Note: [ HYPERPLASIA ] TGLs = 4-21 | | | |
| Nose | Mucosa | Atrophy | Moderate |
| | Mucosa | Degeneration | Moderate |
| | | Exudate | |
| | Glands | Hyperplasia | Cystic, Minimal |
| | Mucosa | Pigmentation | Minimal |
| Ovary | | Inflammation | Suppurative, Marked |
| Note: [ INFLAMMATION ] TGLs = 2-7 | | | |
| Salivary Glands | | Hyperplasia | Lymphoid, Mild |
| Spleen | | Hematopoietic Cell Proliferation | Moderate |
| Note: [ HEMA CELL PROL ] TGLs = 3-6 | | | |
| Urinary Bladder | | Hyperplasia | Lymphoid, Minimal |
| Uterus | | Hyperplasia | Cystic, Mild |
| | | Inflammation | Suppurative, Moderate |
| Note: [ INFLAMMATION ] TGLs = 1-7 | | | |

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 361 | **TRT#:** 6 | **SEX:** Female | **DAY ON TEST:** 731 |
| | **DOSE:** .1% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47883 |

**ORGAN AND ACCOUNTABLE SITE STATUS**

Note: [ HYPERPLASIA ] TGLs = 1-7

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 362 | **TRT#:** 6 | **SEX:** Female | **DAY ON TEST:** 456 |
| | **DOSE:** .1% | **DISP:** Scheduled Sacrifice | **HISTO:** 87-45157 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Cortex | Adrenal Gland - Medulla | Bone | Bone Marrow |
| Brain | Esophagus | Gallbladder | 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 | Ovary |
| Pancreas | Parathyroid Gland | Pituitary Gland | Salivary Glands |
| Skeletal Muscle | Skin | Spleen | Stomach - Forestomach |
| Stomach - Glandular | Tongue | Trachea | Urinary Bladder |

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Kidney | | Casts Protein | Minimal |
| Liver | | Inflammation | Subacute, Minimal |
| Nose | Mucosa | Atrophy | Mild |
| | Mucosa | Degeneration | Mild |
| | Glands | Hyperplasia | Cystic, Minimal |
| | Mucosa | Pigmentation | Mild |
| Thymus | | Cyst | |
| Thyroid Gland | | Degeneration | Cystic, Minimal |
| Uterus | | Hyperplasia | Cystic, Mild |
| Note: HYPERPLASIA TGLs = 2-7,3-7 | | | |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 363 | **TRT#:** 6 | **SEX:** Female | **DAY ON TEST:** 649 |
| | **DOSE:** .1% | **DISP:** Natural Death | **HISTO:** 88-46295 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Cortex | Adrenal Gland - Medulla | Bone | Bone Marrow |
| Esophagus | Gallbladder | Heart | Intestine Large - Cecum |
| Intestine Large - Colon | Intestine Large - Rectum | Intestine Small - Duodenum | Intestine Small - Ileum |
| Intestine Small - Jejunum | Islets, Pancreatic | Mammary Gland | Pancreas |
| Parathyroid Gland | Pituitary Gland | Salivary Glands | Skeletal Muscle |
| Skin | Stomach - Forestomach | Stomach - Glandular | Thyroid Gland |
| Tongue | Trachea | | |

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Brain | Thalamus | Mineralization | Minimal |
| Kidney | | Bacterium | Minimal |
| | | Casts Protein | Minimal |
| Liver | Kupffer Cell | Hyperplasia | Mild |
| Lung | | Bacterium | Mild |
| | | Hyperplasia | Lymphoid, Minimal |
| Lymph Node | Mesenteric | Hemorrhage | Moderate |
| | Renal | Hemorrhage | Moderate |
| | Mandibular | Hyperplasia | Lymphoid, Moderate |
| | Mediastinal | Hyperplasia | Plasma Cell, Moderate |
| | Renal | Hyperplasia | Plasma Cell, Mild |
| Note: [ HYPERPLASIA ] TGLs = 7-21 | | | |
| Note: [ HEMORRHAGE ] TGLs = 7-21 | | | |
| Note: [ HYPERPLASIA ] TGLs = 6-2 | | | |
| Note: [ HEMORRHAGE ] TGLs = 5-5 | | | |
| Mesentery | | Inflammation | Suppurative, Moderate |
| Note: [ INFLAMMATION ] TGLs = 1-5,1-6,1-7,1-10 | | | |
| Nose | Mucosa | Atrophy | Moderate |
| | Mucosa | Degeneration | Moderate |
| | | Exudate | |
| | Glands | Hyperplasia | Cystic, Moderate |
| | Mucosa | Pigmentation | Mild |

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 363 | **TRT#:** 6 | **SEX:** Female | **DAY ON TEST:** 649 |
| | **DOSE:** .1% | **DISP:** Natural Death | **HISTO:** 88-46295 |

**ORGAN AND ACCOUNTABLE SITE STATUS**

| | | | |
|---|---|---|---|
| Ovary | | Inflammation | Suppurative, Marked |
| Note: [ INFLAMMATION ] TGLs = 2-7 | | | |
| Spleen | | Hematopoietic Cell Proliferation | Moderate |
| Note: [ HEMA CELL PROL ] TGLs = 4-6 | | | |
| Thymus | | Depletion Cellular | Moderate |
| Urinary Bladder | | Hyperplasia | Lymphoid, Minimal |
| Uterus | | Hyperplasia | Cystic, Mild |
| | | Inflammation | Suppurative, Mild |
| | Epithelium | Metaplasia | Squamous, Moderate |
| Note: [ HYPERPLASIA ] TGLs = 3-7 | | | |
| PRIMARY CAUSE OF DEATH | - | | |

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 364 | **TRT#:** 6 | **SEX:** Female | **DAY ON TEST:** 731 |
| | **DOSE:** .1% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47884 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Cortex | Adrenal Gland - Medulla | Bone | Esophagus |
| Gallbladder | 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 | Mammary Gland |
| Ovary | Pancreas | Parathyroid Gland | Pituitary Gland |
| Salivary Glands | Skeletal Muscle | Stomach - Forestomach | Stomach - Glandular |
| Thymus | Thyroid Gland | Tongue | Trachea |
| Urinary Bladder | | | |

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Bone Marrow | | Hypercellularity | Marked |
| Brain | Thalamus | Mineralization | Minimal |
| Kidney | | Casts Protein | Minimal |
| | | Hyperplasia | Lymphoid, Mild |
| Liver | | Hematopoietic Cell Proliferation | Minimal |
| | Kupffer Cell | Hyperplasia | Mild |
| Lymph Node | Mesenteric | Hematopoietic Cell Proliferation | Minimal |
| | Mesenteric | Hemorrhage | Minimal |
| Nose | Mucosa | Atrophy | Moderate |
| | Mucosa | Degeneration | Moderate |
| | | Exudate | |
| | Glands | Hyperplasia | Cystic, Mild |
| | Mucosa | Pigmentation | Minimal |
| Skin | | Inflammation | Chronic, Minimal |
| Note: [ INFLAMMATION ] TGLs = 1-21 | | | |
| Spleen | | Hematopoietic Cell Proliferation | Moderate |
| Note: [ HEMA CELL PROL ] TGLs = 3-6 | | | |
| Uterus | | Hydrometra | Moderate |
| | | Hyperplasia | Cystic, Mild |
| | Epithelium | Metaplasia | Squamous, Moderate |
| | | Polyp Stromal | |

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 364 | **TRT#:** 6 | **SEX:** Female | **DAY ON TEST:** 731 |
| | **DOSE:** .1% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47884 |

**ORGAN AND ACCOUNTABLE SITE STATUS**

Note: [ HYDROMETRA ] TGLs = 4-7
Note: [ HYPERPLASIA ] TGLs = 5-7
Note: [ POLYP STROMAL ] TGLs = 2-7-1

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 365 | **TRT#:** 6 | **SEX:** Female | **DAY ON TEST:** 731 |
| | **DOSE:** .1% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47885 |

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Cortex | Adrenal Gland - Medulla | Bone | Bone Marrow |
| Brain | Esophagus | Gallbladder | 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 | Mammary Gland |
| Ovary | Parathyroid Gland | Salivary Glands | Skeletal Muscle |
| Skin | Stomach - Forestomach | Stomach - Glandular | Thymus |
| Thyroid Gland | Tongue | Trachea | |

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Kidney | Renal Tubule | Regeneration | Minimal |
| Nose | Mucosa | Atrophy | Moderate |
| | Mucosa | Degeneration | Moderate |
| | Glands | Hyperplasia | Cystic, Minimal |
| | Mucosa | Pigmentation | Minimal |
| Pancreas | | Hyperplasia | Lymphoid, Mild |
| Pituitary Gland | Pars Intermed | Adenoma | |
| | Pars Distalis | Hyperplasia | Mild |
| Spleen | Lymph Follic | Hyperplasia | Mild |
| Note: [ HYPERPLASIA ] TGLs = 2-6 | | | |
| Urinary Bladder | | Hyperplasia | Lymphoid, Mild |
| Uterus | | Hyperplasia | Cystic, Mild |
| Note: [ HYPERPLASIA ] TGLs = 1-7 | | | |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 366 | **TRT#:** 6 | **SEX:** Female | **DAY ON TEST:** 731 |
| | **DOSE:** .1% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47886 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Bone | Bone Marrow | Esophagus | Gallbladder |
| 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 | Mammary Gland | Ovary |
| Pancreas | Parathyroid Gland | Pituitary Gland | Salivary Glands |
| Skeletal Muscle | Skin | Stomach - Glandular | Thyroid Gland |
| Tongue | Trachea | | |

**MISSING**

Lymph Node - Mesenteric

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Adrenal Gland | Cortex | Accessory Adrenal Cortical Nodule | |
| | Medulla | Hyperplasia | Minimal |
| Brain | Thalamus | Mineralization | Moderate |
| Kidney | | Hyperplasia | Lymphoid, Minimal |
| Lung | | Hyperplasia | Lymphoid, Minimal |
| Nose | Mucosa | Atrophy | Mild |
| | Mucosa | Degeneration | Mild |
| | Glands | Hyperplasia | Cystic, Minimal |
| | Mucosa | Pigmentation | Minimal |
| Spleen | | Hemangiosarcoma | |
| | Red Pulp | Hyperplasia | Mild |
| Note: [ HEMANGIOSARC ] TGLs = 2-21 | | | |
| Stomach | Forestomach, Mucosa | Hyperplasia | Mild |
| | Forestomach | Inflammation | Subacute, Mild |
| Note: [ INFLAMMATION ] TGLs = 3-4 | | | |
| Note: [ HYPERPLASIA ] TGLs = 3-4 | | | |
| Thymus | | Cyst | |
| Urinary Bladder | | Hyperplasia | Lymphoid, Mild |
| Uterus | | Hyperplasia | Cystic, Mild |
| Note: [ HYPERPLASIA ] TGLs = 1-7 | | | |

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 366 | **TRT#:** 6 | **SEX:** Female | **DAY ON TEST:** 731 |
| | **DOSE:** .1% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47886 |

**ORGAN AND ACCOUNTABLE SITE STATUS**

| | |
|---|---|
| PRIMARY CAUSE OF DEATH | - |

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 367 | **TRT#:** 6 | **SEX:** Female | **DAY ON TEST:** 731 |
| | **DOSE:** .1% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47887 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Cortex | Adrenal Gland - Medulla | Bone | Brain |
| Esophagus | Gallbladder | 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 | Pancreas | Parathyroid Gland | Pituitary Gland |
| Salivary Glands | Skeletal Muscle | Skin | Stomach - Forestomach |
| Stomach - Glandular | Thymus | Thyroid Gland | Tongue |
| Trachea | Urinary Bladder | | |

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Bone Marrow | | Hypercellularity | Moderate |
| | | Myelofibrosis | Moderate |
| | | Pigmentation | Hemosiderin, Moderate |
| Kidney | | Mineralization | Minimal |
| | Renal Tubule | Regeneration | Minimal |
| Liver | | Hepatocellular Adenoma | |
| Note: [ HEPATOCLR ADEN ] TGLs = 3-21 | | | |
| Lymph Node | Mandibular | Hyperplasia | Lymphoid, Mild |
| Nose | Mucosa | Atrophy | Mild |
| | Mucosa | Degeneration | Mild |
| | | Exudate | |
| | Glands | Hyperplasia | Cystic, Mild |
| | Mucosa | Pigmentation | Minimal |
| Ovary | | Angiectasis | Mild |
| | | Cyst | |
| | | Inflammation | Suppurative, Mild |
| Note: [ CYST ] TGLs = 1-7 | | | |
| Spleen | | Hematopoietic Cell Proliferation | Mild |
| | | Pigmentation | Hemosiderin, Mild |
| Uterus | | Granuloma | Mild |
| | | Hyperplasia | Cystic, Mild |

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 367 | **TRT#:** 6 | **SEX:** Female | **DAY ON TEST:** 731 |
| | **DOSE:** .1% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47887 |

**ORGAN AND ACCOUNTABLE SITE STATUS**

| | | | |
|---|---|---|---|
| | | Inflammation | Suppurative, Mild |
| | Epithelium | Metaplasia | Squamous, Mild |
| Note: [ HYPERPLASIA ] TGLs = 2-7 | | | |
| PRIMARY CAUSE OF DEATH | - | | |

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 368 | **TRT#:** 6 | **SEX:** Female | **DAY ON TEST:** 457 |
| | **DOSE:** .1% | **DISP:** Scheduled Sacrifice | **HISTO:** 87-45158 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Medulla | Bone | Bone Marrow | Esophagus |
| Gallbladder | Heart | Intestine Large - Cecum | Intestine Large - Colon |
| Intestine Large - Rectum | Intestine Small - Duodenum | Intestine Small - Ileum | Intestine Small - Jejunum |
| Islets, Pancreatic | Kidney | Liver | Lymph Node - Mandibular |
| Lymph Node - Mesenteric | Mammary Gland | Pancreas | Parathyroid Gland |
| Pituitary Gland | Salivary Glands | Skeletal Muscle | Skin |
| Spleen | Stomach - Forestomach | Stomach - Glandular | Thymus |
| Thyroid Gland | Tongue | Trachea | |

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Adrenal Gland | Cortex | Accessory Adrenal Cortical Nodule | |
| Brain | Thalamus | Mineralization | Mild |
| Lung | Bronchiole | Foreign Body | Moderate |
| Note: NO INFLAMMATION ASSOCIATED WITH FOREIGN BODY;PROBABLY AGONAL | | | |
| Nose | Mucosa | Atrophy | Moderate |
| | Mucosa | Degeneration | Moderate |
| | Glands | Hyperplasia | Cystic, Minimal |
| | Mucosa | Pigmentation | Mild |
| Ovary | | Cyst | |
| Note: CYST TGLs = 1-7 | | | |
| Urinary Bladder | | Hyperplasia | Lymphoid, Mild |
| Uterus | | Hyperplasia | Cystic, Mild |
| Note: HYPERPLASIA TGLs = 2-7 | | | |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 369 | **TRT#:** 6 | **SEX:** Female | **DAY ON TEST:** 731 |
| | **DOSE:** .1% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47888 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Cortex | Bone | Esophagus | Gallbladder |
| 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 |
| Mammary Gland | Ovary | Parathyroid Gland | Skeletal Muscle |
| Skin | Stomach - Forestomach | Stomach - Glandular | Tongue |
| Trachea | Urinary Bladder | | |

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Adrenal Gland | Medulla | Hyperplasia | Minimal |
| Bone Marrow | | Myelofibrosis | Mild |
| Brain | Thalamus | Mineralization | Moderate |
| Kidney | | Casts Protein | Minimal |
| | | Hyperplasia | Lymphoid, Minimal |
| Nose | Mucosa | Atrophy | Mild |
| | Mucosa | Degeneration | Mild |
| | Glands | Hyperplasia | Cystic, Minimal |
| | Mucosa | Pigmentation | Mild |
| Pancreas | Acinar Cell | Cytoplasmic Alteration | Marked |
| Pituitary Gland | Pars Distalis | Angiectasis | Mild |
| | Pars Distalis | Hyperplasia | Moderate |
| Salivary Glands | | Hyperplasia | Lymphoid, Mild |
| Spleen | | Pigmentation | Hemosiderin, Mild |
| Thymus | | Depletion Cellular | Mild |
| Thyroid Gland | | Degeneration | Cystic, Minimal |
| Uterus | | Hyperplasia | Cystic, Moderate |
| Note: [ HYPERPLASIA ] TGLs = 1-7 | | | |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 370 | **TRT#:** 6 | **SEX:** Female | **DAY ON TEST:** 723 |
| | **DOSE:** .1% | **DISP:** Natural Death | **HISTO:** 88-47059 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Cortex | Adrenal Gland - Medulla | Bone | Brain |
| Esophagus | Heart | Intestine Large - Cecum | Intestine Large - Colon |
| Intestine Large - Rectum | Intestine Small - Duodenum | Intestine Small - Ileum | Intestine Small - Jejunum |
| Islets, Pancreatic | Lymph Node - Mandibular | Mammary Gland | Parathyroid Gland |
| Pituitary Gland | Skin | Stomach - Forestomach | Stomach - Glandular |
| Thymus | Tongue | Trachea | Urinary Bladder |

**INSUFFICIENT TISSUE**

Gallbladder

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Bone Marrow | | Hypercellularity | Mild |
| Harderian Gland | | Adenoma | |
| Note: [ ADENOMA ] TGLs = 11-25 | | | |
| Kidney | | Lymphoma Malignant Histiocytic | |
| Note: [ LYMPH MAL HIST ] TGLs = 4-22,5-5,5-22 | | | |
| Liver | | Lymphoma Malignant Histiocytic | |
| | Lobules | Necrosis | Moderate |
| Note: [ LYMPH MAL HIST ] TGLs = 6-6,13-26,14-27,15-28 | | | |
| Lung | | Alveolar/Bronchiolar Adenoma | Multiple, Two |
| | | Lymphoma Malignant Histiocytic | |
| Lymph Node | Mesenteric | Angiectasis | Mild |
| | Iliac | Lymphoma Malignant Histiocytic | |
| | Mesenteric | Lymphoma Malignant Histiocytic | |
| | Renal | Lymphoma Malignant Histiocytic | |
| Note: [ LYMPH MAL HIST ] TGLs = 9-23 | | | |
| Note: [ ANGIECTASIS ] TGLs = 12-5 | | | |
| Note: [ LYMPH MAL HIST ] TGLs = 12-5 | | | |
| Note: [ LYMPH MAL HIST ] TGLs = 10-24 | | | |
| Mesentery | | Lymphoma Malignant Histiocytic | |
| Note: [ LYMPH MAL HIST ] TGLs = 1-21 | | | |
| Nose | Mucosa | Atrophy | Moderate |

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 370 | **TRT#:** 6 | **SEX:** Female | **DAY ON TEST:** 723 |
| | **DOSE:** .1% | **DISP:** Natural Death | **HISTO:** 88-47059 |

**ORGAN AND ACCOUNTABLE SITE STATUS**

| | | | |
|---|---|---|---|
| | Mucosa | Degeneration | Moderate |
| | | Exudate | |
| | Glands | Hyperplasia | Cystic, Mild |
| | Mucosa | Pigmentation | Mild |
| Ovary | | Lymphoma Malignant Histiocytic | |
| Pancreas | Acinar Cell | Cytoplasmic Alteration | Marked |
| Salivary Glands | | Hyperplasia | Lymphoid, Mild |
| | | Lymphoma Malignant Histiocytic | |
| Skeletal Muscle | Sarcoplasm | Atrophy | Minimal |
| | Sarcolem Nucli | Hyperplasia | Mild |
| Spleen | | Hematopoietic Cell Proliferation | Marked |
| Note: [ HEMA CELL PROL ] TGLs = 3-6 | | | |
| Thyroid Gland | Follicular Cel | Hyperplasia | Minimal |
| Uterus | | Hyperplasia | Cystic, Minimal |
| | | Lymphoma Malignant Histiocytic | |
| Note: [ LYMPH MAL HIST ] TGLs = 2-7 | | | |
| PRIMARY CAUSE OF DEATH | - | | |

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 371 | **TRT#:** 6 | **SEX:** Female | **DAY ON TEST:** 731 |
| | **DOSE:** .1% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47889 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Cortex | Adrenal Gland - Medulla | Bone | Esophagus |
| Gallbladder | 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 | Ovary | Pancreas |
| Salivary Glands | Skeletal Muscle | Skin | Spleen |
| Stomach - Glandular | Thymus | Tongue | Trachea |

**MISSING**

Parathyroid Gland

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Bone Marrow | | Myelofibrosis | Moderate |
| Brain | Thalamus | Mineralization | Mild |
| Liver | | Clear Cell Focus | |
| Note: [ CLEAR CL FOCUS ] TGLs = 2-21 | | | |
| Nose | Mucosa | Atrophy | Mild |
| | Mucosa | Degeneration | Mild |
| | Glands | Hyperplasia | Cystic, Minimal |
| | Mucosa | Pigmentation | Minimal |
| Pituitary Gland | Pars Distalis | Angiectasis | Mild |
| | Pars Distalis | Hyperplasia | Mild |
| Stomach | Forestomach, Mucosa | Hyperplasia | Mild |
| | Forestomach | Inflammation | Subacute, Mild |
| Note: [ HYPERPLASIA ] TGLs = 3-4,3-4-1 | | | |
| Thyroid Gland | Follicular Cel | Hyperplasia | Mild |
| Urinary Bladder | | Hyperplasia | Lymphoid, Minimal |
| Uterus | | Hyperplasia | Cystic, Moderate |
| Note: [ HYPERPLASIA ] TGLs = 1-7 | | | |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 372 | **TRT#:** 6 | **SEX:** Female | **DAY ON TEST:** 712 |
| | **DOSE:** .1% | **DISP:** Moribund Sacrifice | **HISTO:** 88-46929 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Medulla | Bone | Brain | Esophagus |
| Gallbladder | 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 | Ovary | Pancreas | Parathyroid Gland |
| Pituitary Gland | Salivary Glands | Skeletal Muscle | Stomach - Forestomach |
| Stomach - Glandular | Tongue | Trachea | Urinary Bladder |

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Adrenal Gland | Cortex | Accessory Adrenal Cortical Nodule | |
| Bone Marrow | | Hypercellularity | Moderate |
| | | Pigmentation | Hemosiderin, Moderate |
| Kidney | | Casts Protein | Minimal |
| | Renal Tubule | Regeneration | Moderate |
| Note: [ REGENERATION ] TGLs = 6-22 | | | |
| Liver | | Hematopoietic Cell Proliferation | Mild |
| | Kupffer Cell | Hyperplasia | Mild |
| | Lobules | Necrosis | Moderate |
| Note: [ NECROSIS ] TGLs = 7-23 | | | |
| Nose | Mucosa | Atrophy | Moderate |
| | Mucosa | Degeneration | Moderate |
| | | Exudate | |
| | Glands | Hyperplasia | Cystic, Mild |
| | Mucosa | Pigmentation | Minimal |
| Skin | | Acanthosis | Moderate |
| | Subcut Tiss | Edema | Moderate |
| | Subcut Tiss | Fibrosarcoma | |
| Note: [ EDEMA ] TGLs = 1-8 | | | |
| Note: [ ACANTHOSIS ] TGLs = 3-24 | | | |
| Note: SUBCUTANEOUS EDEMA ALSO EVIDENT ON SLIDE 12 | | | |
| Note: [ FIBROSARC ] TGLs = 4-21 | | | |

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 372 | **TRT#:** 6 | **SEX:** Female | **DAY ON TEST:** 712 |
| | **DOSE:** .1% | **DISP:** Moribund Sacrifice | **HISTO:** 88-46929 |

**ORGAN AND ACCOUNTABLE SITE STATUS**

| | | |
|---|---|---|
| Spleen | Hematopoietic Cell Proliferation | Marked |
| Note: [ HEMA CELL PROL ] TGLs = 5-6 | | |
| Thymus | Depletion Cellular | Moderate |
| Thyroid Gland | Degeneration | Cystic, Moderate |
| Uterus | Hyperplasia | Cystic, Moderate |
| Note: [ HYPERPLASIA ] TGLs = 2-7 | | |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 373 | **TRT#:** 6 | **SEX:** Female | **DAY ON TEST:** 731 |
| | **DOSE:** .1% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47890 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Medulla | Bone | Esophagus | Gallbladder |
| Heart | Intestine Large - Cecum | Intestine Large - Colon | Intestine Large - Rectum |
| Intestine Small - Duodenum | Intestine Small - Ileum | Intestine Small - Jejunum | Islets, Pancreatic |
| Lymph Node - Mandibular | Lymph Node - Mesenteric | Mammary Gland | Ovary |
| Parathyroid Gland | Salivary Glands | Skeletal Muscle | Skin |
| Stomach - Forestomach | Stomach - Glandular | Thymus | Thyroid Gland |
| Tongue | Trachea | Urinary Bladder | |

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Adrenal Gland | Cortex | Accessory Adrenal Cortical Nodule | |
| Bone Marrow | | Myelofibrosis | Minimal |
| Brain | Thalamus | Mineralization | Mild |
| Kidney | | Casts Protein | Minimal |
| Liver | | Hepatocellular Adenoma | |
| | Kupffer Cell | Pigmentation | Mild |
| Note: PIGMENT IS ON SLIDE 22 | | | |
| Note: [ HEPATOCLR ADEN ] TGLs = 3-22 | | | |
| Lung | | Hyperplasia | Lymphoid, Minimal |
| Nose | Mucosa | Atrophy | Mild |
| | Mucosa | Degeneration | Mild |
| | Glands | Hyperplasia | Cystic, Minimal |
| | Mucosa | Pigmentation | Minimal |
| Pancreas | | Hyperplasia | Lymphoid, Minimal |
| Pituitary Gland | Pars Distalis | Angiectasis | Minimal |
| | Pars Distalis | Hyperplasia | Minimal |
| Spleen | | Pigmentation | Hemosiderin, Moderate |
| Uterus | | Hyperplasia | Cystic, Mild |
| | | Inflammation | Suppurative, Mild |
| | Epithelium | Metaplasia | Squamous, Mild |
| Note: [ HYPERPLASIA ] TGLs = 2-7 | | | |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 374 | **TRT#:** 6 | **SEX:** Female | **DAY ON TEST:** 457 |
| | **DOSE:** .1% | **DISP:** Scheduled Sacrifice | **HISTO:** 87-45159 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

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

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Brain | Thalamus | Mineralization | Minimal |
| Lung | | Hyperplasia | Lymphoid, Minimal |
| Nose | Mucosa | Atrophy | Mild |
| | Mucosa | Degeneration | Mild |
| | Glands | Hyperplasia | Cystic, Minimal |
| | Mucosa | Pigmentation | Minimal |
| Uterus | | Hyperplasia | Cystic, Minimal |

Note: HYPERPLASIA TGLs = 1-7

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 375 | **TRT#:** 6 | **SEX:** Female | **DAY ON TEST:** 731 |
| | **DOSE:** .1% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47891 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Bone | Bone Marrow | Esophagus | Gallbladder |
| Heart | Intestine Large - Cecum | Intestine Large - Colon | Intestine Large - Rectum |
| Intestine Small - Duodenum | Intestine Small - Ileum | Intestine Small - Jejunum | Islets, Pancreatic |
| Lung | Mammary Gland | Pancreas | Parathyroid Gland |
| Salivary Glands | Stomach - Glandular | Thymus | Tongue |
| Trachea | | | |

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Adrenal Gland | Cortex | Accessory Adrenal Cortical Nodule | |
| | Medulla | Pheochromocytoma Benign | |
| Brain | | Inflammation | Chronic, Minimal |
| | Thalamus | Mineralization | Minimal |
| Kidney | | Casts Protein | Minimal |
| | | Hyperplasia | Lymphoid, Minimal |
| Liver | | Hepatocellular Adenoma | |
| Lymph Node | Mesenteric | Hematopoietic Cell Proliferation | Mild |
| | Mesenteric | Hemorrhage | Minimal |
| | Mandibular | Pigmentation | Moderate |
| Note: [ HEMA CELL PROL ] TGLs = 4-5 | | | |
| Note: [ HEMORRHAGE ] TGLs = 4-5 | | | |
| Nose | Mucosa | Atrophy | Mild |
| | Mucosa | Degeneration | Mild |
| | Glands | Hyperplasia | Cystic, Minimal |
| | Mucosa | Pigmentation | Mild |
| Ovary | | Angiectasis | Moderate |
| Note: [ ANGIECTASIS ] TGLs = 2-7 | | | |
| Pituitary Gland | Pars Distalis | Angiectasis | Mild |
| Skeletal Muscle | | Inflammation | Chronic, Minimal |
| Skin | | Acanthosis | Minimal |
| | | Inflammation | Chronic, Minimal |
| Note: [ INFLAMMATION ] TGLs = 1-8,1-21 | | | |

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 375 | **TRT#:** 6 | **SEX:** Female | **DAY ON TEST:** 731 |
| | **DOSE:** .1% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47891 |

**ORGAN AND ACCOUNTABLE SITE STATUS**

| | | | |
|---|---|---|---|
| Note: [ ACANTHOSIS ] TGLs = 1-8,1-21 | | | |
| Spleen | | Hematopoietic Cell Proliferation | Mild |
| Stomach | Forestomach, Mucosa | Hyperplasia | Minimal |
| | Forestomach | Inflammation | Subacute, Moderate |
| | Forestomach | Squamous Cell Papilloma | |
| Note: FORESTOMACH HYPERPLASIA IS ON SLIDE 4 | | | |
| Note: [ PAPILLOMA SQUA ] TGLs = 5-4-1 | | | |
| Thyroid Gland | Follicular Cel | Hyperplasia | Minimal |
| Urinary Bladder | | Hyperplasia | Lymphoid, Mild |
| Uterus | | Hyperplasia | Cystic, Mild |
| | Epithelium | Metaplasia | Squamous, Minimal |
| Note: [ HYPERPLASIA ] TGLs = 3-7 | | | |
| PRIMARY CAUSE OF DEATH | - | | |

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 376 | **TRT#:** 6 | **SEX:** Female | **DAY ON TEST:** 722 |
| | **DOSE:** .1% | **DISP:** Moribund Sacrifice | **HISTO:** 88-47060 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Medulla | Bone | Esophagus | Gallbladder |
| Heart | Intestine Large - Cecum | Intestine Large - Colon | Intestine Large - Rectum |
| Intestine Small - Duodenum | Intestine Small - Ileum | Intestine Small - Jejunum | Islets, Pancreatic |
| Lung | Lymph Node - Mandibular | Lymph Node - Mesenteric | Mammary Gland |
| Pancreas | Parathyroid Gland | Pituitary Gland | Salivary Glands |
| Stomach - Forestomach | Stomach - Glandular | Tongue | Trachea |

**MISSING**

Thymus

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Adrenal Gland | Capsule, Cortex | Hyperplasia | Mild |
| Bone Marrow | | Hypercellularity | Mild |
| | | Pigmentation | Hemosiderin, Moderate |
| Brain | Thalamus | Mineralization | Mild |
| Kidney | | Casts Protein | Minimal |
| | Renal Tubule | Dilatation | Mild |
| | | Glomerulosclerosis | Minimal |
| | | Hyperplasia | Lymphoid, Minimal |
| Liver | | Hematopoietic Cell Proliferation | Mild |
| | | Hepatocellular Adenoma | |
| | Kupffer Cell | Hyperplasia | Moderate |
| | | Hyperplasia | Focal, Mild |
| Note: [ HEPATOCLR ADEN ] TGLs = 6-22 | | | |
| Note: [ HYPERPLASIA ] TGLs = 7-23 | | | |
| Note: [ HYPERPLASIA ] TGLs = 5-21 | | | |
| Note: KUPFFER CELL HYPERPLASIA ALSO ON SLIDES 6, 21, AND 22 | | | |
| Nose | Mucosa | Atrophy | Moderate |
| | Mucosa | Degeneration | Moderate |
| | | Exudate | |
| | Glands | Hyperplasia | Cystic, Moderate |
| | Mucosa | Pigmentation | Mild |

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 376 | **TRT#:** 6 | **SEX:** Female | **DAY ON TEST:** 722 |
| | **DOSE:** .1% | **DISP:** Moribund Sacrifice | **HISTO:** 88-47060 |

**ORGAN AND ACCOUNTABLE SITE STATUS**

| | | | |
|---|---|---|---|
| Ovary | | Cyst | |
| Note: [ CYST ] TGLs = 1-7 | | | |
| Skeletal Muscle | | Hemangiosarcoma | |
| | Sarcolem Nucli | Hyperplasia | Mild |
| Note: [ HEMANGIOSARC ] TGLs = 8-24-1 | | | |
| Skin | Subcut Tiss | Edema | Mild |
| | Subcut Tiss | Hemangiosarcoma | |
| Note: [ HEMANGIOSARC ] TGLs = 8-24,8-24-1 | | | |
| Note: [ EDEMA ] TGLs = 3-8 | | | |
| Spleen | Lymph Follic | Atrophy | Moderate |
| | | Hematopoietic Cell Proliferation | Marked |
| Note: [ HEMA CELL PROL ] TGLs = 4-6 | | | |
| Thyroid Gland | Follicular Cel | Hyperplasia | Mild |
| Urinary Bladder | | Hyperplasia | Lymphoid, Minimal |
| Uterus | | Angiectasis | Mild |
| | | Hemorrhage | Marked |
| | Myometrium | Hyperplasia | Moderate |
| | | Inflammation | Suppurative, Moderate |
| Note: [ HEMORRHAGE ] TGLs = 2-7 | | | |
| PRIMARY CAUSE OF DEATH | - | | |

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 377 | **TRT#:** 6 | **SEX:** Female | **DAY ON TEST:** 731 |
| | **DOSE:** .1% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47892 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

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

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Brain | Thalamus | Mineralization | Mild |
| Harderian Gland | | Adenoma | |
| Note: [ ADENOMA ] TGLs = 2-22 | | | |
| Kidney | | Casts Protein | Minimal |
| Liver | | Hepatocellular Carcinoma | |
| Note: [ HEPATOCLR CARC ] TGLs = 1-21 | | | |
| Note: PORTION OF HEPATOCLR CARC IS ON SLIDE 6 | | | |
| Lung | | Hyperplasia | Lymphoid, Minimal |
| Nose | Mucosa | Atrophy | Moderate |
| | Mucosa | Degeneration | Moderate |
| | | Exudate | |
| | Glands | Hyperplasia | Cystic, Minimal |
| | Mucosa | Pigmentation | Minimal |
| Ovary | | Angiectasis | Mild |
| Pituitary Gland | Pars Distalis | Adenoma | |
| Skeletal Muscle | | Inflammation | Chronic, Minimal |
| Stomach | Forestomach | Inflammation | Subacute, Mild |
| | Forestomach | Squamous Cell Papilloma | |
| Note: [ PAPILLOMA SQUA ] TGLs = 5-4-1 | | | |
| Thymus | | Cyst | |
| Thyroid Gland | C Cell | Adenoma | |
| | Follicular Cel | Hyperplasia | Moderate |

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 377 | **TRT#:** 6 | **SEX:** Female | **DAY ON TEST:** 731 |
| | **DOSE:** .1% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47892 |

**ORGAN AND ACCOUNTABLE SITE STATUS**

| | | | |
|---|---|---|---|
| Note: [ ADENOMA ] TGLs = 4-3 | | | |
| Uterus | | Angiectasis | Minimal |
| | | Hyperplasia | Cystic, Moderate |
| | Epithelium | Metaplasia | Squamous, Moderate |
| Note: [ HYPERPLASIA ] TGLs = 3-7 | | | |
| PRIMARY CAUSE OF DEATH | - | | |

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 378 | **TRT#:** 6 | **SEX:** Female | **DAY ON TEST:** 731 |
| | **DOSE:** .1% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47893 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Medulla | Bone | Esophagus | Gallbladder |
| 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 | Mammary Gland | Ovary |
| Pancreas | Parathyroid Gland | Skeletal Muscle | Skin |
| Stomach - Forestomach | Stomach - Glandular | Thymus | Tongue |
| Trachea | Urinary Bladder | | |

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Adrenal Gland | Cortex | Cyst | |
| Bone Marrow | | Myelofibrosis | Minimal |
| Brain | Thalamus | Mineralization | Mild |
| Kidney | | Casts Protein | Minimal |
| | | Hyperplasia | Lymphoid, Minimal |
| Liver | | Angiectasis | Moderate |
| | Lobules | Necrosis | Minimal |
| Note: [ NECROSIS ] TGLs = 3-21 | | | |
| Note: [ ANGIECTASIS ] TGLs = 3-21 | | | |
| Lymph Node | Mesenteric | Hemorrhage | Minimal |
| Note: [ HEMORRHAGE ] TGLs = 2-5 | | | |
| Nose | Mucosa | Atrophy | Moderate |
| | Mucosa | Degeneration | Moderate |
| | | Exudate | |
| | Glands | Hyperplasia | Cystic, Minimal |
| | Mucosa | Pigmentation | Minimal |
| Pituitary Gland | Pars Distalis | Adenoma | |
| Salivary Glands | | Hyperplasia | Lymphoid, Mild |
| Spleen | | Pigmentation | Hemosiderin, Mild |
| Thyroid Gland | Follicular Cel | Hyperplasia | Minimal |
| Uterus | | Hyperplasia | Cystic, Moderate |
| Note: [ HYPERPLASIA ] TGLs = 1-7 | | | |

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 378 | **TRT#:** 6 | **SEX:** Female | **DAY ON TEST:** 731 |
| | **DOSE:** .1% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47893 |

**ORGAN AND ACCOUNTABLE SITE STATUS**

| | |
|---|---|
| PRIMARY CAUSE OF DEATH | - |

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 379 | **TRT#:** 6 | **SEX:** Female | **DAY ON TEST:** 731 |
| | **DOSE:** .1% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47894 |

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Medulla | Bone | Bone Marrow | Esophagus |
| Gallbladder | Heart | Intestine Large - Cecum | Intestine Large - Colon |
| Intestine Large - Rectum | Intestine Small - Duodenum | Intestine Small - Ileum | Intestine Small - Jejunum |
| Islets, Pancreatic | Lung | Lymph Node - Mandibular | Lymph Node - Mesenteric |
| Mammary Gland | Pancreas | Parathyroid Gland | Pituitary Gland |
| Skeletal Muscle | Skin | Stomach - Forestomach | Stomach - Glandular |
| Thymus | Thyroid Gland | Tongue | Trachea |

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Adrenal Gland | Cortex | Angiectasis | Mild |
| Brain | Thalamus | Mineralization | Minimal |
| Kidney | | Casts Protein | Minimal |
| | | Hyperplasia | Lymphoid, Minimal |
| Liver | | Hepatocellular Carcinoma | |
| Note: [ HEPATOCLR CARC ] TGLs = 3-21 | | | |
| Nose | Mucosa | Atrophy | Mild |
| | Mucosa | Degeneration | Mild |
| | | Exudate | |
| | Glands | Hyperplasia | Cystic, Minimal |
| | Mucosa | Pigmentation | Minimal |
| Ovary | | Cyst | |
| Salivary Glands | | Hyperplasia | Lymphoid, Moderate |
| Spleen | | Hematopoietic Cell Proliferation | Moderate |
| Note: [ HEMA CELL PROL ] TGLs = 1-6 | | | |
| Urinary Bladder | | Hyperplasia | Lymphoid, Minimal |
| Uterus | | Hyperplasia | Cystic, Mild |
| | | Sarcoma Stromal | |
| Note: [ HYPERPLASIA ] TGLs = 2-7 | | | |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 380 | **TRT#:** 6 | **SEX:** Female | **DAY ON TEST:** 732 |
| | **DOSE:** .1% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47895 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Cortex | Adrenal Gland - Medulla | Bone | Bone Marrow |
| Esophagus | Gallbladder | 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 | Parathyroid Gland | Skin |
| Spleen | Stomach - Forestomach | Stomach - Glandular | Thymus |
| Thyroid Gland | Tongue | Trachea | Urinary Bladder |

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Brain | Thalamus | Mineralization | Minimal |
| Kidney | | Casts Protein | Minimal |
| | | Fibroma | |
| | | Hyperplasia | Lymphoid, Minimal |
| Note: FIBROMA IS AT TIP OF RIGHT RENAL PAPILLA | | | |
| Liver | | Hemorrhage | Minimal |
| Note: [ HEMORRHAGE ] TGLs = 5-21 | | | |
| Nose | Mucosa | Atrophy | Moderate |
| | Mucosa | Degeneration | Moderate |
| | Glands | Hyperplasia | Cystic, Minimal |
| | Mucosa | Pigmentation | Minimal |
| Ovary | | Angiectasis | Moderate |
| | | Cyst | |
| Note: [ ANGIECTASIS ] TGLs = 2-7,4-7 | | | |
| Note: [ CYST ] TGLs = 1-7 | | | |
| Pancreas | | Hyperplasia | Lymphoid, Minimal |
| Pituitary Gland | Pars Distalis | Hyperplasia | Minimal |
| Salivary Glands | | Hyperplasia | Lymphoid, Minimal |
| Skeletal Muscle | | Inflammation | Chronic, Minimal |
| Uterus | | Hyperplasia | Cystic, Moderate |
| | Epithelium | Metaplasia | Squamous, Mild |
| Note: [ HYPERPLASIA ] TGLs = 3-7 | | | |

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 380 | **TRT#:** 6 | **SEX:** Female | **DAY ON TEST:** 732 |
| | **DOSE:** .1% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47895 |

**ORGAN AND ACCOUNTABLE SITE STATUS**

| | |
|---|---|
| PRIMARY CAUSE OF DEATH | - |

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 381 | **TRT#:** 6 | **SEX:** Female | **DAY ON TEST:** 457 |
| | **DOSE:** .1% | **DISP:** Scheduled Sacrifice | **HISTO:** 87-45160 |

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Cortex | Adrenal Gland - Medulla | Bone | Bone Marrow |
| Esophagus | Gallbladder | 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 | Mammary Gland | Ovary |
| Pancreas | Parathyroid Gland | Pituitary Gland | Salivary Glands |
| Skeletal Muscle | Skin | Spleen | Stomach - Forestomach |
| Stomach - Glandular | Thymus | Thyroid Gland | Tongue |
| Trachea | Urinary Bladder | | |

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Brain | Thalamus | Mineralization | Minimal |
| Kidney | | Casts Protein | Minimal |
| Nose | Mucosa | Atrophy | Mild |
| | Mucosa | Degeneration | Mild |
| | Glands | Hyperplasia | Cystic, Minimal |
| | Mucosa | Pigmentation | Minimal |
| Uterus | | Hyperplasia | Cystic, Mild |

PRIMARY CAUSE OF DEATH -

Animal Note: ESOPHAGUS PRESENT ON SLIDE 2

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 382 | **TRT#:** 6 | **SEX:** Female | **DAY ON TEST:** 732 |
| | **DOSE:** .1% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47896 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Cortex | Adrenal Gland - Medulla | Bone | Esophagus |
| Gallbladder | 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 |
| Mammary Gland | Pancreas | Pituitary Gland | Skeletal Muscle |
| Skin | Stomach - Forestomach | Stomach - Glandular | Thymus |
| Tongue | Trachea | Urinary Bladder | |

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Bone Marrow | | Hypercellularity | Mild |
| Brain | Thalamus | Mineralization | Mild |
| Kidney | | Casts Protein | Minimal |
| Lung | | Hyperplasia | Lymphoid, Minimal |
| Nose | Mucosa | Atrophy | Moderate |
| | Mucosa | Degeneration | Moderate |
| | | Exudate | |
| | Glands | Hyperplasia | Cystic, Minimal |
| | Mucosa | Pigmentation | Minimal |
| Ovary | | Cyst | |
| Parathyroid Gland | | Hyperplasia | Mild |
| Note: [ HYPERPLASIA ] TGLs = 2-3 | | | |
| Salivary Glands | | Hyperplasia | Lymphoid, Minimal |
| Spleen | | Hematopoietic Cell Proliferation | Mild |
| Note: [ HEMA CELL PROL ] TGLs = 3-6 | | | |
| Thyroid Gland | Follicle | Cyst | |
| | Follicular Cel | Hyperplasia | Minimal |
| Uterus | | Hyperplasia | Cystic, Mild |
| | | Inflammation | Suppurative, Mild |
| | Epithelium | Metaplasia | Squamous, Mild |
| Note: [ HYPERPLASIA ] TGLs = 1-7 | | | |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 383 | **TRT#:** 6 | **SEX:** Female | **DAY ON TEST:** 732 |
| | **DOSE:** .1% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47897 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Medulla | Bone | Bone Marrow | Esophagus |
| Gallbladder | 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 |
| Ovary | Parathyroid Gland | Skin | Stomach - Forestomach |
| Thymus | Thyroid Gland | Trachea | |

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Adrenal Gland | Cortex | Accessory Adrenal Cortical Nodule | |
| Brain | Thalamus | Mineralization | Mild |
| Liver | | Lymphoma Malignant Lymphocytic | |
| Lung | | Alveolar/Bronchiolar Carcinoma | |
| | | Infiltration Cellular | Histiocyte, Moderate |
| | | Lymphoma Malignant Lymphocytic | |
| Note: [ ALV BRON CARC ] TGLs = 5-2 | | | |
| Lymph Node | Mandibular | Lymphoma Malignant Lymphocytic | |
| | Mediastinal | Lymphoma Malignant Lymphocytic | |
| Note: [ LYMPH MAL LYMP ] TGLs = 6-2,6-2-1 | | | |
| Mesentery | Fat | Necrosis | Moderate |
| Note: [ NECROSIS ] TGLs = 1-21 | | | |
| Nose | Mucosa | Atrophy | Minimal |
| | Mucosa | Degeneration | Minimal |
| | Glands | Hyperplasia | Cystic, Minimal |
| | Mucosa | Pigmentation | Minimal |
| Pancreas | | Atrophy | Marked |
| | | Cyst | |
| Note: [ CYST ] TGLs = 3-7,3-22 | | | |
| Pituitary Gland | Pars Distalis | Cyst | |
| | Pars Distalis | Hyperplasia | Moderate |
| Salivary Glands | | Lymphoma Malignant Lymphocytic | |
| Skeletal Muscle | | Lymphoma Malignant Lymphocytic | |

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 383 | **TRT#:** 6 | **SEX:** Female | **DAY ON TEST:** 732 |
| | **DOSE:** .1% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47897 |

**ORGAN AND ACCOUNTABLE SITE STATUS**

| | | | |
|---|---|---|---|
| Spleen | | Hematopoietic Cell Proliferation | Mild |
| | | Lymphoma Malignant Lymphocytic | |
| Note: [ HEMA CELL PROL ] TGLs = 2-6 | | | |
| Note: [ LYMPH MAL LYMP ] TGLs = 2-6 | | | |
| Stomach | Glandular | Lymphoma Malignant Lymphocytic | |
| Tongue | | Lymphoma Malignant Lymphocytic | |
| Urinary Bladder | | Lymphoma Malignant Lymphocytic | |
| Uterus | | Hyperplasia | Cystic, Mild |
| | | Lymphoma Malignant Lymphocytic | |
| Note: [ HYPERPLASIA ] TGLs = 4-7 | | | |
| PRIMARY CAUSE OF DEATH | - | | |

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 384 | **TRT#:** 6 | **SEX:** Female | **DAY ON TEST:** 732 |
| | **DOSE:** .1% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47898 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Bone | Bone Marrow | Esophagus | Gallbladder |
| Heart | Intestine Large - Cecum | Intestine Large - Colon | Intestine Large - Rectum |
| Intestine Small - Duodenum | Intestine Small - Ileum | Intestine Small - Jejunum | Mammary Gland |
| Parathyroid Gland | Skeletal Muscle | Skin | Stomach - Forestomach |
| Stomach - Glandular | Thyroid Gland | Tongue | Trachea |

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Adrenal Gland | Cortex | Hyperplasia | Diffuse, Mild |
| | Medulla | Hyperplasia | Minimal |
| Note: HYPERPLASTIC MEDULLARY FOCUS IS JUST BENEATH CAPSULE | | | |
| Brain | Thalamus | Mineralization | Minimal |
| Islets, Pancreatic | | Adenoma | |
| Kidney | | Hyperplasia | Lymphoid, Moderate |
| Liver | | Hepatocellular Adenoma | |
| | | Hyperplasia | Lymphoid, Minimal |
| Lung | | Hemorrhage | Minimal |
| Lymph Node | Mandibular | Hyperplasia | Lymphoid, Mild |
| | Mesenteric | Hyperplasia | Lymphoid, Moderate |
| Nose | Mucosa | Atrophy | Mild |
| | Mucosa | Degeneration | Mild |
| | Glands | Hyperplasia | Cystic, Minimal |
| | Mucosa | Pigmentation | Minimal |
| Ovary | | Cystadenoma | |
| Pancreas | | Hyperplasia | Lymphoid, Mild |
| Pituitary Gland | Pars Distalis | Adenoma | |
| | Pars Distalis | Hyperplasia | Minimal |
| Salivary Glands | | Hyperplasia | Lymphoid, Moderate |
| Spleen | Lymph Follic | Hyperplasia | Moderate |
| Note: [ HYPERPLASIA ] TGLs = 2-6 | | | |
| Thymus | | Cyst | |
| Urinary Bladder | | Hyperplasia | Lymphoid, Minimal |

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 384 | **TRT#:** 6 | **SEX:** Female | **DAY ON TEST:** 732 |
| | **DOSE:** .1% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47898 |

**ORGAN AND ACCOUNTABLE SITE STATUS**

| | | |
|---|---|---|
| Uterus | Hyperplasia | Cystic, Mild |
| Note: [ HYPERPLASIA ] TGLs = 3-7 | | |
| PRIMARY CAUSE OF DEATH | - | |

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 385 | **TRT#:** 6 | **SEX:** Female | **DAY ON TEST:** 457 |
| | **DOSE:** .1% | **DISP:** Scheduled Sacrifice | **HISTO:** 87-45161 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Cortex | Adrenal Gland - Medulla | Bone | Bone Marrow |
| Esophagus | Gallbladder | 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 | Mammary Gland | Ovary |
| Pancreas | Pituitary Gland | Salivary Glands | Skeletal Muscle |
| Skin | Spleen | Stomach - Forestomach | Stomach - Glandular |
| Thymus | Thyroid Gland | Tongue | Trachea |
| Urinary Bladder | | | |

**MISSING**

Parathyroid Gland

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Brain | Thalamus | Mineralization | Mild |
| Kidney | | Hyperplasia | Lymphoid, Minimal |
| Nose | Mucosa | Atrophy | Minimal |
| | Mucosa | Degeneration | Minimal |
| | Glands | Hyperplasia | Cystic, Minimal |
| | Mucosa | Pigmentation | Minimal |
| Uterus | | Hyperplasia | Cystic, Mild |

Note: HYPERPLASIA TGLs = 2-7

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 386 | **TRT#:** 6 | **SEX:** Female | **DAY ON TEST:** 732 |
| | **DOSE:** .1% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47899 |

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Cortex | Adrenal Gland - Medulla | Bone | Bone Marrow |
| Esophagus | Gallbladder | 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 | Mammary Gland | Ovary | Pancreas |
| Parathyroid Gland | Pituitary Gland | Salivary Glands | Skeletal Muscle |
| Skin | Stomach - Forestomach | Thymus | Thyroid Gland |
| Tongue | Trachea | | |

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Brain | Thalamus | Mineralization | Minimal |
| Liver | | Fibrous Histiocytoma | |
| | | Hyperplasia | Lymphoid, Moderate |
| Note: [ FIB HISTIOCYT ] TGLs = 3-21 | | | |
| Note: FIB HISTIOCYT ALSO ON SLIDE 6 | | | |
| Lymph Node | Mesenteric | Hyperplasia | Lymphoid, Mild |
| Note: [ HYPERPLASIA ] TGLs = 4-5 | | | |
| Mesentery | | Fibrous Histiocytoma | Metastatic (Liver) |
| Note: FIB HISTIOCYT IS ON SLIDE 5 | | | |
| Nose | Mucosa | Atrophy | Mild |
| | Mucosa | Degeneration | Mild |
| | | Exudate | |
| | Glands | Hyperplasia | Cystic, Minimal |
| | Mucosa | Pigmentation | Minimal |
| Spleen | Lymph Follic | Hyperplasia | Mild |
| Note: [ HYPERPLASIA ] TGLs = 2-6 | | | |
| Stomach | Glandular | Cyst | |
| Urinary Bladder | | Hyperplasia | Lymphoid, Moderate |
| Uterus | | Hyperplasia | Cystic, Moderate |
| Note: [ HYPERPLASIA ] TGLs = 1-7 | | | |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 387 | **TRT#:** 6 | **SEX:** Female | **DAY ON TEST:** 457 |
| | **DOSE:** .1% | **DISP:** Scheduled Sacrifice | **HISTO:** 87-45162 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Medulla | Bone | Bone Marrow | Esophagus |
| Gallbladder | 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 | Mammary Gland | Ovary | Pancreas |
| Parathyroid Gland | Pituitary Gland | Salivary Glands | Skeletal Muscle |
| Skin | Stomach - Forestomach | Stomach - Glandular | Thymus |
| Thyroid Gland | Tongue | Trachea | Urinary Bladder |

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Adrenal Gland | Cortex | Accessory Adrenal Cortical Nodule | |
| Brain | Thalamus | Mineralization | Mild |
| Kidney | | Casts Protein | Mild |
| Lymph Node | Lumbar | Hyperplasia | Lymphoid, Mild |
| Note: HYPERPLASIA TGLs = 4-21 | | | |
| Nose | Mucosa | Atrophy | Mild |
| | Mucosa | Degeneration | Mild |
| | Glands | Hyperplasia | Cystic, Minimal |
| | Mucosa | Pigmentation | Mild |
| Spleen | | Hematopoietic Cell Proliferation | Minimal |
| Note: HEMA CELL PROL TGLs = 3-6 | | | |
| Uterus | | Hyperplasia | Cystic, Minimal |
| | | Sarcoma Stromal | |
| Note: HYPERPLASIA TGLs = 2-7 | | | |
| Note: SARC STROMAL TGLs = 1-7,2-7 | | | |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 388 | **TRT#:** 6 | **SEX:** Female | **DAY ON TEST:** 732 |
| | **DOSE:** .1% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47900 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Medulla | Bone | Esophagus | Gallbladder |
| Heart | Intestine Large - Cecum | Intestine Large - Colon | Intestine Large - Rectum |
| Intestine Small - Duodenum | Intestine Small - Ileum | Intestine Small - Jejunum | Islets, Pancreatic |
| Lung | Lymph Node - Mandibular | Lymph Node - Mesenteric | Mammary Gland |
| Pancreas | Pituitary Gland | Salivary Glands | Skeletal Muscle |
| Skin | Stomach - Forestomach | Stomach - Glandular | Thymus |
| Tongue | Trachea | Urinary Bladder | |

**MISSING**

Parathyroid Gland

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Adrenal Gland | Cortex | Accessory Adrenal Cortical Nodule | |
| Bone Marrow | | Hemangiosarcoma | |
| Brain | Thalamus | Mineralization | Minimal |
| Clitoral Gland | | Pigmentation | Mild |
| Note: [ PIGMENT ] TGLs = 1-8-1 | | | |
| Kidney | | Casts Protein | Minimal |
| | | Hyperplasia | Lymphoid, Minimal |
| Liver | | Hepatocellular Adenoma | |
| Note: [ HEPATOCLR ADEN ] TGLs = 5-21 | | | |
| Nose | Mucosa | Atrophy | Moderate |
| | Mucosa | Degeneration | Moderate |
| | | Exudate | |
| | Glands | Hyperplasia | Cystic, Minimal |
| | Mucosa | Pigmentation | Mild |
| Ovary | | Angiectasis | Moderate |
| | Interstit Cell | Hyperplasia | Moderate |
| Note: [ ANGIECTASIS ] TGLs = 2-7 | | | |
| Spleen | | Hematopoietic Cell Proliferation | Mild |
| | Lymph Follic | Hyperplasia | Moderate |
| Note: [ HEMA CELL PROL ] TGLs = 4-6 | | | |

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 388 | **TRT#:** 6 | **SEX:** Female | **DAY ON TEST:** 732 |
| | **DOSE:** .1% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47900 |

**ORGAN AND ACCOUNTABLE SITE STATUS**

| | | | |
|---|---|---|---|
| Note: [ HYPERPLASIA ] TGLs = 4-6 | | | |
| Thyroid Gland | Follicle | Cyst | |
| Uterus | | Hyperplasia | Cystic, Mild |
| | Endometrium | Pigmentation | Mild |
| Note: [ HYPERPLASIA ] TGLs = 3-7 | | | |
| PRIMARY CAUSE OF DEATH | - | | |

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 389 | **TRT#:** 6 | **SEX:** Female | **DAY ON TEST:** 716 |
| | **DOSE:** .1% | **DISP:** Natural Death | **HISTO:** 88-47036 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Cortex | Adrenal Gland - Medulla | Bone | Bone Marrow |
| Brain | Ear | Esophagus | Intestine Large - Cecum |
| Intestine Large - Colon | Intestine Large - Rectum | Intestine Small - Duodenum | Intestine Small - Ileum |
| Intestine Small - Jejunum | Mammary Gland | Parathyroid Gland | Pituitary Gland |
| Salivary Glands | Stomach - Forestomach | Thyroid Gland | Trachea |

**MISSING**

| | | |
|---|---|---|
| Gallbladder | Ovary | Thymus |

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Heart | | Lymphoma Malignant Undifferentiated Cell Type | |
| Islets, Pancreatic | | Lymphoma Malignant Undifferentiated Cell Type | |
| Kidney | | Glomerulosclerosis | Mild |
| | | Hydronephrosis | Mild |
| [ Hydronephrosis TGLS = 7-5 ] | | | |
| Liver | | Lymphoma Malignant Undifferentiated Cell Type | |
| Note: EXTENSIVE NECROSIS & FIBROSIS ASSOC. W/ LYMPHOMA; NOT CODED | | | |
| Note: [ LYMPH MAL UNDF ] TGLs = 9-6,10-22 | | | |
| Lung | | Infiltration Cellular | Histiocyte, Marked |
| | | Lymphoma Malignant Undifferentiated Cell Type | |
| Note: [ LYMPH MAL UNDF ] TGLs = 14-2 | | | |
| [ Lymphoma Malignant Undifferentiated Cell Type TGLS = 14-2 ] | | | |
| Lymph Node | Inguinal | Lymphoma Malignant Undifferentiated Cell Type | |
| | Mandibular | Lymphoma Malignant Undifferentiated Cell Type | |
| | Mediastinal | Lymphoma Malignant Undifferentiated Cell Type | |
| | Mesenteric | Lymphoma Malignant Undifferentiated Cell Type | |
| | Pancreatic | Lymphoma Malignant Undifferentiated Cell Type | |
| | Renal | Lymphoma Malignant Undifferentiated Cell Type | |
| Note: [ LYMPH MAL UNDF ] TGLs = 12-23 | | | |
| Note: [ LYMPH MAL UNDF ] TGLs = 2-8 | | | |
| Note: [ LYMPH MAL UNDF ] TGLs = 5-7 | | | |
| Note: [ LYMPH MAL UNDF ] TGLs = 11-2 | | | |

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 389 | **TRT#:** 6 | **SEX:** Female | **DAY ON TEST:** 716 |
| | **DOSE:** .1% | **DISP:** Natural Death | **HISTO:** 88-47036 |

**ORGAN AND ACCOUNTABLE SITE STATUS**

| | | | |
|---|---|---|---|
| [ Lymphoma Malignant Undifferentiated Cell Type TGLS = 8-5 ] | | | |
| [ Lymphoma Malignant Undifferentiated Cell Type TGLS = 3-8,3-21 ] | | | |
| Nose | Mucosa | Atrophy | Moderate |
| | Mucosa | Degeneration | Moderate |
| | | Exudate | |
| | Glands | Hyperplasia | Cystic, Mild |
| | Mucosa | Pigmentation | Minimal |
| Pancreas | | Atrophy | Marked |
| | | Lymphoma Malignant Undifferentiated Cell Type | |
| Skeletal Muscle | Sarcolem Nucli | Hyperplasia | Mild |
| Skin | | Acanthosis | Moderate |
| | | Inflammation | Chronic, Moderate |
| Note: [ ACANTHOSIS ] TGLs = 1-24 | | | |
| Note: [ INFLAMMATION ] TGLs = 1-24 | | | |
| Spleen | | Hematopoietic Cell Proliferation | Moderate |
| | | Lymphoma Malignant Undifferentiated Cell Type | |
| Note: [ LYMPH MAL UNDF ] TGLs = 4-6,13-6 | | | |
| Note: [ HEMA CELL PROL ] TGLs = 4-6,13-6 | | | |
| Stomach | Glandular | Lymphoma Malignant Undifferentiated Cell Type | |
| Tongue | | Inflammation | Chronic, Minimal |
| Note: INFLAMMATION SURROUNDS SMALL FORIEGN BODY; NOT CODED | | | |
| Urinary Bladder | | Lymphoma Malignant Undifferentiated Cell Type | |
| Note: [ LYMPH MAL UNDF ] TGLs = 6-8 | | | |
| Uterus | | Hyperplasia | Cystic, Minimal |
| PRIMARY CAUSE OF DEATH | - | | |

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 390 | **TRT#:** 6 | **SEX:** Female | **DAY ON TEST:** 732 |
| | **DOSE:** .1% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47901 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Medulla | Bone | Esophagus | Gallbladder |
| Heart | Intestine Large - Cecum | Intestine Large - Colon | Intestine Large - Rectum |
| Intestine Small - Duodenum | Intestine Small - Ileum | Intestine Small - Jejunum | Islets, Pancreatic |
| Lung | Mammary Gland | Ovary | Pancreas |
| Parathyroid Gland | Pituitary Gland | Salivary Glands | Skeletal Muscle |
| Skin | Stomach - Glandular | Tongue | Trachea |
| Urinary Bladder | | | |

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Adrenal Gland | Cortex | Hematopoietic Cell Proliferation | Mild |
| Bone Marrow | | Hypercellularity | Mild |
| | | Pigmentation | Hemosiderin, Moderate |
| Brain | Thalamus | Mineralization | Minimal |
| Kidney | | Casts Protein | Minimal |
| | | Metaplasia | Osseous, Minimal |
| Liver | | Hematopoietic Cell Proliferation | Moderate |
| | | Lymphoma Malignant Mixed | |
| | | Nuclear Alteration | Mild |
| Note: [ LYMPH MAL MIXD ] TGLs = 7-6 | | | |
| Note: [ HEMA CELL PROL ] TGLs = 7-6 | | | |
| Lymph Node | Axillary | Lymphoma Malignant Mixed | |
| | Iliac | Lymphoma Malignant Mixed | |
| | Inguinal | Lymphoma Malignant Mixed | |
| | Mandibular | Lymphoma Malignant Mixed | |
| | Mediastinal | Lymphoma Malignant Mixed | |
| | Mesenteric | Lymphoma Malignant Mixed | |
| | Renal | Lymphoma Malignant Mixed | |
| Note: [ LYMPH MAL MIXD ] TGLs = 10-24 | | | |
| Note: [ LYMPH MAL MIXD ] TGLs = 2-8 | | | |
| Note: [ LYMPH MAL MIXD ] TGLs = 9-23 | | | |
| Note: [ LYMPH MAL MIXD ] TGLs = 1-8,1-21 | | | |

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 390 | **TRT#:** 6 | **SEX:** Female | **DAY ON TEST:** 732 |
| | **DOSE:** .1% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47901 |

**ORGAN AND ACCOUNTABLE SITE STATUS**

| | | | |
|---|---|---|---|
| Note: [ LYMPH MAL MIXD ] TGLs = 3-22 | | | |
| Note: [ LYMPH MAL MIXD ] TGLs = 6-5 | | | |
| Note: [ LYMPH MAL MIXD ] TGLs = 8-2 | | | |
| Nose | Mucosa | Atrophy | Mild |
| | Mucosa | Degeneration | Mild |
| | | Exudate | |
| | Glands | Hyperplasia | Cystic, Minimal |
| | Mucosa | Pigmentation | Minimal |
| Spleen | | Hematopoietic Cell Proliferation | Marked |
| | | Lymphoma Malignant Mixed | |
| Note: [ HEMA CELL PROL ] TGLs = 4-6 | | | |
| Note: [ LYMPH MAL MIXD ] TGLs = 4-6 | | | |
| Stomach | Forestomach, Mucosa | Hyperplasia | Minimal |
| Thymus | | Cyst | |
| | | Depletion Cellular | Moderate |
| Thyroid Gland | | Degeneration | Cystic, Mild |
| Uterus | | Hyperplasia | Cystic, Minimal |
| PRIMARY CAUSE OF DEATH | - | | |

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 391 | **TRT#:** 6 | **SEX:** Female | **DAY ON TEST:** 732 |
| | **DOSE:** .1% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47902 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Cortex | Adrenal Gland - Medulla | Bone | Esophagus |
| Gallbladder | 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 | Mammary Gland | Ovary | Pancreas |
| Parathyroid Gland | Pituitary Gland | Skin | Spleen |
| Stomach - Forestomach | Stomach - Glandular | Thymus | Tongue |
| Trachea | | | |

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Bone Marrow | | Hemangiosarcoma | |
| Brain | Thalamus | Mineralization | Mild |
| Kidney | | Casts Protein | Mild |
| | Renal Tubule | Regeneration | Minimal |
| Nose | Mucosa | Atrophy | Mild |
| | Mucosa | Degeneration | Mild |
| | | Exudate | |
| | Glands | Hyperplasia | Cystic, Minimal |
| | Mucosa | Pigmentation | Minimal |
| Pharynx | | Squamous Cell Carcinoma | |
| Note: SQUAM CEL CARC APPEARS TO BE IN AN EARLY STAGE | | | |
| Note: [ SQUAM CEL CARC ] TGLs = 3-21 | | | |
| Salivary Glands | | Hyperplasia | Lymphoid, Minimal |
| Skeletal Muscle | Sarcolem Nucli | Hyperplasia | Minimal |
| Thyroid Gland | | Degeneration | Cystic, Minimal |
| Urinary Bladder | | Hyperplasia | Lymphoid, Minimal |
| Uterus | | Hemangiosarcoma | |
| | | Hyperplasia | Cystic, Mild |
| Note: [ HYPERPLASIA ] TGLs = 1-7 | | | |
| Note: [ HEMANGIOSARC ] TGLs = 2-22 | | | |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 392 | **TRT#:** 6 | **SEX:** Female | **DAY ON TEST:** 732 |
| | **DOSE:** .1% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47903 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Cortex | Adrenal Gland - Medulla | Bone | Esophagus |
| Gallbladder | Heart | Intestine Large - Cecum | Intestine Large - Colon |
| Intestine Large - Rectum | Intestine Small - Duodenum | Intestine Small - Ileum | Intestine Small - Jejunum |
| Islets, Pancreatic | Lung | Lymph Node - Mandibular | Lymph Node - Mesenteric |
| Mammary Gland | Pancreas | Parathyroid Gland | Pituitary Gland |
| Salivary Glands | Skin | Stomach - Forestomach | Stomach - Glandular |
| Tongue | Trachea | | |

**MISSING**

Thymus

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Bone Marrow | | Hypercellularity | Marked |
| | | Myelofibrosis | Mild |
| | | Pigmentation | Hemosiderin, Moderate |
| Brain | | Vacuolization Cytoplasmic | Mild |
| Note: VACUOLIZATION IS MAINLY IN WHITE MATTER OF CEREBELLUM | | | |
| Kidney | | Glomerulosclerosis | Minimal |
| Liver | | Hematopoietic Cell Proliferation | Mild |
| Lymph Node | Renal | Hyperplasia | Plasma Cell, Moderate |
| Note: [ HYPERPLASIA ] TGLs = 5-21 | | | |
| Nose | Mucosa | Atrophy | Moderate |
| | Mucosa | Degeneration | Moderate |
| | | Exudate | |
| | Glands | Hyperplasia | Cystic, Minimal |
| | Mucosa | Pigmentation | Minimal |
| Ovary | | Cyst | |
| | | Inflammation | Suppurative, Marked |
| Note: [ INFLAMMATION ] TGLs = 2-7 | | | |
| Note: [ CYST ] TGLs = 1-7 | | | |
| Skeletal Muscle | | Inflammation | Chronic, Minimal |
| Spleen | | Hematopoietic Cell Proliferation | Moderate |

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 392 | **TRT#:** 6 | **SEX:** Female | **DAY ON TEST:** 732 |
| | **DOSE:** .1% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47903 |

**ORGAN AND ACCOUNTABLE SITE STATUS**

| | | | |
|---|---|---|---|
| Note: [ HEMA CELL PROL ] TGLs = 4-5 | | | |
| Thyroid Gland | | Degeneration | Cystic, Minimal |
| Urinary Bladder | | Hyperplasia | Lymphoid, Minimal |
| Uterus | | Hyperplasia | Cystic, Mild |
| | | Inflammation | Suppurative, Mild |
| | Epithelium | Metaplasia | Squamous, Mild |
| Note: [ HYPERPLASIA ] TGLs = 3-7 | | | |
| PRIMARY CAUSE OF DEATH | - | | |

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 393 | **TRT#:** 6 | **SEX:** Female | **DAY ON TEST:** 457 |
| | **DOSE:** .1% | **DISP:** Scheduled Sacrifice | **HISTO:** 87-45163 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Medulla | Bone | Bone Marrow | Esophagus |
| Gallbladder | 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 | Mammary Gland | Ovary | Parathyroid Gland |
| Pituitary Gland | Salivary Glands | Skeletal Muscle | Skin |
| Spleen | Stomach - Forestomach | Stomach - Glandular | Thymus |
| Tongue | Trachea | | |

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Adrenal Gland | Cortex | Accessory Adrenal Cortical Nodule | |
| Brain | Thalamus | Mineralization | Mild |
| Kidney | | Casts Protein | Mild |
| | | Hyperplasia | Lymphoid, Mild |
| Nose | Mucosa | Atrophy | Mild |
| | Mucosa | Degeneration | Mild |
| | Glands | Hyperplasia | Cystic, Minimal |
| | Mucosa | Pigmentation | Mild |
| Pancreas | | Focal Cellular Change | |
| Thyroid Gland | | Degeneration | Cystic, Minimal |
| Urinary Bladder | | Hyperplasia | Lymphoid, Minimal |
| Uterus | | Hyperplasia | Cystic, Mild |

Note: HYPERPLASIA TGLs = 1-7

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 394 | **TRT#:** 6 | **SEX:** Female | **DAY ON TEST:** 732 |
| | **DOSE:** .1% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47904 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Cortex | Adrenal Gland - Medulla | Bone | Esophagus |
| Gallbladder | 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 | Mammary Gland | Pancreas | Salivary Glands |
| Skeletal Muscle | Skin | Stomach - Forestomach | Stomach - Glandular |
| Tongue | Trachea | Urinary Bladder | |

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Bone Marrow | | Myelofibrosis | Minimal |
| Brain | Thalamus | Mineralization | Minimal |
| Kidney | | Casts Protein | Minimal |
| Nose | Mucosa | Atrophy | Mild |
| | Mucosa | Degeneration | Mild |
| | | Exudate | |
| | Glands | Hyperplasia | Cystic, Minimal |
| | Mucosa | Pigmentation | Minimal |
| Ovary | | Cyst | |
| Note: [ CYST ] TGLs = 2-7 | | | |
| Parathyroid Gland | | Cyst | |
| Pituitary Gland | Pars Distalis | Hyperplasia | Mild |
| Spleen | | Pigmentation | Hemosiderin, Mild |
| Thymus | | Cyst | |
| Thyroid Gland | Follicular Cel | Hyperplasia | Minimal |
| Uterus | | Hyperplasia | Cystic, Moderate |
| Note: [ HYPERPLASIA ] TGLs = 1-7 | | | |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 395 | **TRT#:** 6 | **SEX:** Female | **DAY ON TEST:** 732 |
| | **DOSE:** .1% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47905 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Cortex | Adrenal Gland - Medulla | Bone | Esophagus |
| Gallbladder | Heart | Intestine Large - Cecum | Intestine Large - Colon |
| Intestine Large - Rectum | Intestine Small - Duodenum | Intestine Small - Ileum | Islets, Pancreatic |
| Lung | Lymph Node - Mandibular | Mammary Gland | Ovary |
| Parathyroid Gland | Pituitary Gland | Salivary Glands | Skeletal Muscle |
| Stomach - Forestomach | Stomach - Glandular | Tongue | Trachea |
| Urinary Bladder | | | |

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Bone Marrow | | Hypercellularity | Moderate |
| | | Pigmentation | Hemosiderin, Moderate |
| Brain | Thalamus | Mineralization | Moderate |
| Intestine Small | Jejunum | Lymphoma Malignant Mixed | |
| Note: [ LYMPH MAL MIXD ] TGLs = 5-23 | | | |
| Kidney | | Casts Protein | Minimal |
| | Renal Tubule | Regeneration | Minimal |
| Liver | | Hepatocellular Carcinoma | |
| | Kupffer Cell | Hyperplasia | Mild |
| Note: [ HEPATOCLR CARC ] TGLs = 6-24 | | | |
| Lymph Node | Mesenteric | Lymphoma Malignant Mixed | |
| | Renal | Lymphoma Malignant Mixed | |
| Note: [ LYMPH MAL MIXD ] TGLs = 7-25 | | | |
| Note: [ LYMPH MAL MIXD ] TGLs = 4-22 | | | |
| Nose | Mucosa | Degeneration | Minimal |
| | Glands | Hyperplasia | Cystic, Minimal |
| Pancreas | | Lymphoma Malignant Mixed | |
| Skin | | Acanthosis | Moderate |
| | | Ulcer | Moderate |
| Note: [ ACANTHOSIS ] TGLs = 1-21 | | | |
| Note: [ ULCER ] TGLs = 1-21 | | | |
| Spleen | | Hematopoietic Cell Proliferation | Marked |

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 395 | **TRT#:** 6 | **SEX:** Female | **DAY ON TEST:** 732 |
| | **DOSE:** .1% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47905 |

**ORGAN AND ACCOUNTABLE SITE STATUS**

Note: [ HEMA CELL PROL ] TGLs = 3-5

| | | | |
|---|---|---|---|
| Thymus | | Depletion Cellular | Moderate |
| Thyroid Gland | Follicular Cel | Hyperplasia | Minimal |
| Uterus | | Hyperplasia | Cystic, Mild |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 396 | **TRT#:** 6 | **SEX:** Female | **DAY ON TEST:** 683 |
| | **DOSE:** .1% | **DISP:** Moribund Sacrifice | **HISTO:** 88-46930 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Medulla | Bone | Esophagus | Heart |
| Intestine Large - Cecum | Intestine Large - Colon | Intestine Large - Rectum | Intestine Small - Duodenum |
| Intestine Small - Ileum | Intestine Small - Jejunum | Islets, Pancreatic | Lung |
| Mammary Gland | Pancreas | Parathyroid Gland | Pituitary Gland |
| Salivary Glands | Skin | Trachea | Urinary Bladder |

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Adrenal Gland | Cortex | Hematopoietic Cell Proliferation | Mild |
| | Capsule, Cortex | Hyperplasia | Mild |
| Bone Marrow | | Hypercellularity | Marked |
| Brain | Thalamus | Mineralization | Minimal |
| Gallbladder | | Inflammation | Subacute, Mild |
| Kidney | | Casts Protein | Minimal |
| | | Glomerulosclerosis | Mild |
| | | Hyperplasia | Lymphoid, Minimal |
| | Renal Tubule | Regeneration | Mild |
| Liver | | Fibrosis | Mild |
| | | Hematopoietic Cell Proliferation | Marked |
| | Kupffer Cell | Hyperplasia | Moderate |
| | Lobules | Necrosis | Marked |
| Note: [ FIBROSIS ] TGLs = 7-22 | | | |
| Note: [ NECROSIS ] TGLs = 8-23,4-21 | | | |
| Lymph Node | Mandibular | Hyperplasia | Plasma Cell, Mild |
| | Mediastinal | Hyperplasia | Plasma Cell, Marked |
| | Mesenteric | Hyperplasia | Plasma Cell, Marked |
| | Renal | Hyperplasia | Plasma Cell, Marked |
| Note: [ HYPERPLASIA ] TGLs = 10-2 | | | |
| Note: [ HYPERPLASIA ] TGLs = 9-24 | | | |
| [ Hyperplasia TGLS = 6-5 ] | | | |
| Mesentery | | Inflammation | Suppurative, Marked |
| Note: [ INFLAMMATION ] TGLs = 4-21 | | | |

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 396 | **TRT#:** 6 | **SEX:** Female | **DAY ON TEST:** 683 |
| | **DOSE:** .1% | **DISP:** Moribund Sacrifice | **HISTO:** 88-46930 |

**ORGAN AND ACCOUNTABLE SITE STATUS**

| | | | |
|---|---|---|---|
| Nose | Mucosa | Atrophy | Moderate |
| | Mucosa | Degeneration | Moderate |
| | | Exudate | |
| | Glands | Hyperplasia | Cystic, Mild |
| | Mucosa | Pigmentation | Minimal |
| Ovary | | Inflammation | Suppurative, Marked |
| Note: [ INFLAMMATION ] TGLs = 2-7,3-7 | | | |
| Skeletal Muscle | | Foreign Body | Mild |
| | | Inflammation | Chronic, Minimal |
| Spleen | | Hematopoietic Cell Proliferation | Marked |
| Note: [ HEMA CELL PROL ] TGLs = 5-6 | | | |
| Stomach | Forestomach, Mucosa | Hyperplasia | Mild |
| | Forestomach | Inflammation | Subacute, Mild |
| | Glandular | Inflammation | Subacute, Mild |
| Thymus | | Cyst | |
| Thyroid Gland | | Degeneration | Cystic, Moderate |
| Tongue | | Inflammation | Chronic, Mild |
| Uterus | | Hyperplasia | Cystic, Minimal |
| Note: [ HYPERPLASIA ] TGLs = 1-7 | | | |
| PRIMARY CAUSE OF DEATH | - | | |

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 397 | **TRT#:** 6 | **SEX:** Female | **DAY ON TEST:** 732 |
| | **DOSE:** .1% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47906 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Cortex | Adrenal Gland - Medulla | Bone | Bone Marrow |
| Esophagus | Gallbladder | Heart | Intestine Large - Cecum |
| Intestine Large - Colon | Intestine Large - Rectum | Intestine Small - Duodenum | Intestine Small - Ileum |
| Islets, Pancreatic | Liver | Lymph Node - Mandibular | Lymph Node - Mesenteric |
| Mammary Gland | Pancreas | Parathyroid Gland | Salivary Glands |
| Skeletal Muscle | Skin | Spleen | Stomach - Forestomach |
| Stomach - Glandular | Thymus | Tongue | Trachea |
| Urinary Bladder | | | |

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Brain | Thalamus | Mineralization | Mild |
| Intestine Small | Jejunum | Lymphoma Malignant Mixed | |
| Note: [ LYMPH MAL MIXD ] TGLs = 2-21 | | | |
| Kidney | | Casts Protein | Minimal |
| Lung | | Hyperplasia | Lymphoid, Minimal |
| Nose | Mucosa | Atrophy | Moderate |
| | Mucosa | Degeneration | Moderate |
| | | Exudate | |
| | Glands | Hyperplasia | Cystic, Mild |
| | Mucosa | Pigmentation | Minimal |
| Ovary | | Cyst | |
| Pituitary Gland | Pars Distalis | Angiectasis | Mild |
| | Pars Distalis | Hyperplasia | Mild |
| Thyroid Gland | | Degeneration | Cystic, Mild |
| Uterus | | Hyperplasia | Cystic, Moderate |
| Note: [ HYPERPLASIA ] TGLs = 1-7 | | | |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 398 | **TRT#:** 6 | **SEX:** Female | **DAY ON TEST:** 732 |
| | **DOSE:** .1% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47907 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Medulla | Bone | Bone Marrow | Brain |
| Esophagus | Gallbladder | Heart | Intestine Large - Cecum |
| Intestine Large - Colon | Intestine Large - Rectum | Intestine Small - Duodenum | Intestine Small - Ileum |
| Intestine Small - Jejunum | Islets, Pancreatic | Lung | Lymph Node - Mandibular |
| Lymph Node - Mesenteric | Mammary Gland | Pancreas | Parathyroid Gland |
| Pituitary Gland | Skeletal Muscle | Skin | Spleen |
| Stomach - Forestomach | Thyroid Gland | Tongue | Trachea |
| Urinary Bladder | | | |

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Adrenal Gland | Cortex | Hyperplasia | Focal, Minimal |
| Kidney | | Hyperplasia | Lymphoid, Minimal |
| Liver | | Inflammation | Subacute, Minimal |
| Nose | Mucosa | Atrophy | Minimal |
| | Mucosa | Degeneration | Minimal |
| | | Exudate | |
| | Glands | Hyperplasia | Cystic, Mild |
| | Mucosa | Pigmentation | Minimal |
| Ovary | | Angiectasis | Minimal |
| | | Cyst | |
| Note: [ CYST ] TGLs = 2-7 | | | |
| Salivary Glands | | Hyperplasia | Lymphoid, Mild |
| Stomach | Glandular | Cyst | |
| Thymus | | Cyst | |
| Uterus | | Hyperplasia | Cystic, Moderate |
| Note: [ HYPERPLASIA ] TGLs = 1-7 | | | |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 399 | **TRT#:** 6 | **SEX:** Female | **DAY ON TEST:** 732 |
| | **DOSE:** .1% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47908 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Medulla | Bone | Esophagus | Gallbladder |
| Heart | Intestine Large - Cecum | Intestine Large - Colon | Intestine Large - Rectum |
| Intestine Small - Duodenum | Intestine Small - Ileum | Islets, Pancreatic | Mammary Gland |
| Ovary | Pancreas | Parathyroid Gland | Salivary Glands |
| Skeletal Muscle | Skin | Stomach - Forestomach | Stomach - Glandular |
| Thyroid Gland | Tongue | Trachea | |

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Adrenal Gland | Cortex | Accessory Adrenal Cortical Nodule | |
| | Cortex | Cyst | |
| | Cortex | Hematopoietic Cell Proliferation | Moderate |
| Bone Marrow | | Hypercellularity | Marked |
| | | Myelofibrosis | Mild |
| Brain | Thalamus | Mineralization | Moderate |
| Intestine Small | Jejunum | Lymphoma Malignant Mixed | |
| Note: [ LYMPH MAL MIXD ] TGLs = 7-24 | | | |
| Kidney | | Casts Protein | Minimal |
| | | Metaplasia | Osseous, Mild |
| | Renal Tubule | Regeneration | Minimal |
| Liver | | Hematopoietic Cell Proliferation | Marked |
| | | Lymphoma Malignant Mixed | |
| Note: [ LYMPH MAL MIXD ] TGLs = 10-25 | | | |
| Lung | | Hemorrhage | Minimal |
| Note: [ HEMORRHAGE ] TGLs = 8-2-1,9-2-1 | | | |
| Lymph Node | Mandibular | Hematopoietic Cell Proliferation | Moderate |
| | Renal | Hematopoietic Cell Proliferation | Marked |
| | Mandibular | Hyperplasia | Lymphoid, Moderate |
| | Iliac | Lymphoma Malignant Mixed | |
| | Mesenteric | Lymphoma Malignant Mixed | |
| | Renal | Lymphoma Malignant Mixed | |
| Note: [ LYMPH MAL MIXD ] TGLs = 4-21 | | | |

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 399 | **TRT#:** 6 | **SEX:** Female | **DAY ON TEST:** 732 |
| | **DOSE:** .1% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47908 |

**ORGAN AND ACCOUNTABLE SITE STATUS**

| | | | |
|---|---|---|---|
| Note: [ HEMA CELL PROL ] TGLs = 4-21 | | | |
| Note: [ LYMPH MAL MIXD ] TGLs = 5-22 | | | |
| Note: [ LYMPH MAL MIXD ] TGLs = 6-23 | | | |
| Nose | Mucosa | Atrophy | Mild |
| | Mucosa | Degeneration | Mild |
| | | Exudate | |
| | Glands | Hyperplasia | Cystic, Minimal |
| | Mucosa | Pigmentation | Mild |
| Pituitary Gland | Pars Distalis | Hyperplasia | Minimal |
| Spleen | | Hematopoietic Cell Proliferation | Marked |
| | | Lymphoma Malignant Mixed | |
| Note: [ LYMPH MAL MIXD ] TGLs = 1-6 | | | |
| Note: [ HEMA CELL PROL ] TGLs = 1-6 | | | |
| Thymus | | Lymphoma Malignant Mixed | |
| Urinary Bladder | | Hyperplasia | Lymphoid, Mild |
| Uterus | | Hyperplasia | Cystic, Moderate |
| Note: [ HYPERPLASIA ] TGLs = 3-7 | | | |
| PRIMARY CAUSE OF DEATH | - | | |

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 400 | **TRT#:** 6 | **SEX:** Female | **DAY ON TEST:** 720 |
| | **DOSE:** .1% | **DISP:** Natural Death | **HISTO:** 88-47061 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Cortex | Adrenal Gland - Medulla | Bone | Esophagus |
| Gallbladder | 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 | Pituitary Gland | Salivary Glands | Stomach - Forestomach |
| Thyroid Gland | Tongue | Trachea | |

**INSUFFICIENT TISSUE**

Skin

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Bone Marrow | | Hypercellularity | Mild |
| Brain | Thalamus | Mineralization | Moderate |
| Kidney | | Casts Protein | Mild |
| | Renal Tubule | Dilatation | Minimal |
| | | Hyperplasia | Lymphoid, Minimal |
| | Renal Tubule | Regeneration | Minimal |
| Note: [ DILATATION ] TGLs = 5-5 | | | |
| Liver | | Hepatocellular Carcinoma | |
| | Kupffer Cell | Hyperplasia | Moderate |
| | Kupffer Cell | Pigmentation | Minimal |
| Note: [ HEPATOCLR CARC ] TGLs = 4-21 | | | |
| Lung | Bronchiole | Foreign Body | Minimal |
| | | Hyperplasia | Lymphoid, Mild |
| | | Inflammation | Subacute, Mild |
| Mesentery | | Inflammation | Suppurative, Moderate |
| Note: INFLAMMATION PRESENT ON SLIDES 4, 7, AND 10 | | | |
| Nose | Mucosa | Atrophy | Moderate |
| | Mucosa | Degeneration | Moderate |
| | | Exudate | |
| | Glands | Hyperplasia | Cystic, Mild |
| | Mucosa | Pigmentation | Mild |

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 400 | **TRT#:** 6 | **SEX:** Female | **DAY ON TEST:** 720 |
| | **DOSE:** .1% | **DISP:** Natural Death | **HISTO:** 88-47061 |

**ORGAN AND ACCOUNTABLE SITE STATUS**

| | | | |
|---|---|---|---|
| Ovary | | Inflammation | Suppurative, Marked |
| Note: [ INFLAMMATION ] TGLs = 1-7 | | | |
| Pancreas | | Atrophy | Mild |
| | | Focal Cellular Change | |
| Skeletal Muscle | | Inflammation | Chronic, Minimal |
| Spleen | | Hematopoietic Cell Proliferation | Mild |
| Stomach | Glandular | Cyst | |
| Thymus | | Depletion Cellular | Moderate |
| Urinary Bladder | | Hyperplasia | Lymphoid, Mild |
| Note: INFUSION ARTIFACT IN WALL | | | |
| Uterus | | Adenoma | |
| | | Hyperplasia | Cystic, Mild |
| | | Inflammation | Suppurative, Mild |
| | Epithelium | Metaplasia | Squamous, Moderate |
| Note: [ ADENOMA ] TGLs = 2-7 | | | |
| Note: [ HYPERPLASIA ] TGLs = 3-7 | | | |
| PRIMARY CAUSE OF DEATH | - | | |

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 401 | **TRT#:** 6 | **SEX:** Female | **DAY ON TEST:** 732 |
| | **DOSE:** .1% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47909 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Cortex | Adrenal Gland - Medulla | Bone | Esophagus |
| Gallbladder | Heart | Intestine Large - Cecum | Intestine Large - Colon |
| Intestine Large - Rectum | Intestine Small - Duodenum | Intestine Small - Ileum | Intestine Small - Jejunum |
| Islets, Pancreatic | Lymph Node - Mandibular | Lymph Node - Mesenteric | Mammary Gland |
| Pancreas | Parathyroid Gland | Salivary Glands | Skeletal Muscle |
| Skin | Spleen | Stomach - Forestomach | Stomach - Glandular |
| Thyroid Gland | Tongue | Trachea | Urinary Bladder |

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Bone Marrow | | Myelofibrosis | Moderate |
| Brain | Thalamus | Mineralization | Minimal |
| Kidney | | Casts Protein | Minimal |
| | | Hyperplasia | Lymphoid, Mild |
| Liver | | Hyperplasia | Lymphoid, Minimal |
| Lung | | Hyperplasia | Lymphoid, Mild |
| Nose | Mucosa | Atrophy | Moderate |
| | Mucosa | Degeneration | Moderate |
| | | Exudate | |
| | Glands | Hyperplasia | Cystic, Minimal |
| | Mucosa | Pigmentation | Mild |
| Ovary | | Angiectasis | Mild |
| Note: [ ANGIECTASIS ] TGLs = 2-7 | | | |
| Pituitary Gland | Pars Distalis | Hyperplasia | Mild |
| Thymus | | Cyst | |
| Uterus | | Hyperplasia | Cystic, Moderate |
| Note: [ HYPERPLASIA ] TGLs = 1-7 | | | |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 402 | **TRT#:** 6 | **SEX:** Female | **DAY ON TEST:** 732 |
| | **DOSE:** .1% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47910 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Cortex | Adrenal Gland - Medulla | Bone | Esophagus |
| Gallbladder | Heart | Intestine Large - Cecum | Intestine Large - Colon |
| Intestine Large - Rectum | Intestine Small - Duodenum | Intestine Small - Ileum | Intestine Small - Jejunum |
| Islets, Pancreatic | Lung | Lymph Node - Mandibular | Lymph Node - Mesenteric |
| Mammary Gland | Pancreas | Parathyroid Gland | Salivary Glands |
| Skeletal Muscle | Skin | Spleen | Stomach - Forestomach |
| Stomach - Glandular | Thyroid Gland | Tongue | Trachea |
| Urinary Bladder | | | |

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Bone Marrow | | Myelofibrosis | Minimal |
| Brain | Thalamus | Mineralization | Mild |
| Kidney | | Hyperplasia | Lymphoid, Minimal |
| | Renal Tubule | Regeneration | Minimal |
| Liver | | Inflammation | Subacute, Minimal |
| Nose | Mucosa | Atrophy | Moderate |
| | Mucosa | Degeneration | Moderate |
| | | Exudate | |
| | Glands | Hyperplasia | Cystic, Minimal |
| | Mucosa | Pigmentation | Minimal |
| Ovary | | Angiectasis | Mild |
| Note: [ ANGIECTASIS ] TGLs = 3-7 | | | |
| Pituitary Gland | Pars Distalis | Hyperplasia | Minimal |
| Thymus | | Cyst | |
| Uterus | | Hyperplasia | Cystic, Moderate |
| Note: [ HYPERPLASIA ] TGLs = 2-7 | | | |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 403 | **TRT#:** 6 | **SEX:** Female | **DAY ON TEST:** 731 |
| | **DOSE:** .1% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47911 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Bone | Esophagus | Gallbladder | 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 | Mammary Gland | Ovary |
| Parathyroid Gland | Pituitary Gland | Skeletal Muscle | Skin |
| Spleen | Stomach - Glandular | Thyroid Gland | Tongue |
| Trachea | | | |

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Adrenal Gland | Capsule, Cortex | Hyperplasia | Mild |
| | Medulla | Hyperplasia | Minimal |
| Bone Marrow | | Myelofibrosis | Minimal |
| Brain | Thalamus | Mineralization | Mild |
| Kidney | | Casts Protein | Mild |
| Lung | Alveolar Epith | Hyperplasia | Mild |
| | | Hyperplasia | Lymphoid, Minimal |
| | | Infiltration Cellular | Histiocyte, Mild |
| Note: [ HYPERPLASIA ] TGLs = 4-2-1 | | | |
| Nose | Mucosa | Atrophy | Moderate |
| | Mucosa | Degeneration | Moderate |
| | | Exudate | |
| | Glands | Hyperplasia | Cystic, Mild |
| | Mucosa | Pigmentation | Minimal |
| Pancreas | | Cyst | |
| | | Hyperplasia | Lymphoid, Mild |
| Note: [ CYST ] TGLs = 2-21 | | | |
| Salivary Glands | | Hyperplasia | Lymphoid, Minimal |
| Stomach | Forestomach, Mucosa | Hyperplasia | Mild |
| Note: [ HYPERPLASIA ] TGLs = 5-4-1 | | | |
| Thymus | | Cyst | |
| Urinary Bladder | | Hyperplasia | Lymphoid, Minimal |

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 403 | **TRT#:** 6 | **SEX:** Female | **DAY ON TEST:** 731 |
| | **DOSE:** .1% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47911 |

**ORGAN AND ACCOUNTABLE SITE STATUS**

| | | |
|---|---|---|
| Uterus | Hyperplasia | Cystic, Mild |
| Note: [ HYPERPLASIA ] TGLs = 1-7 | | |
| PRIMARY CAUSE OF DEATH | - | |

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 404 | **TRT#:** 6 | **SEX:** Female | **DAY ON TEST:** 702 |
| | **DOSE:** .1% | **DISP:** Natural Death | **HISTO:** 88-46931 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Medulla | Bone | Brain | Esophagus |
| Gallbladder | Heart | Intestine Large - Cecum | Intestine Large - Colon |
| Intestine Large - Rectum | Intestine Small - Duodenum | Intestine Small - Ileum | Intestine Small - Jejunum |
| Kidney | Liver | Lymph Node - Mandibular | Lymph Node - Mesenteric |
| Mammary Gland | Parathyroid Gland | Pituitary Gland | Salivary Glands |
| Skin | Spleen | Stomach - Forestomach | Thymus |
| Thyroid Gland | Tongue | Trachea | Urinary Bladder |

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Adrenal Gland | Capsule, Cortex | Carcinoma | |
| Note: [ CARCINOMA ] TGLs = 2-21 | | | |
| Bone Marrow | | Myelofibrosis | Minimal |
| Islets, Pancreatic | | Adenoma | |
| Lung | | Hemorrhage | Minimal |
| Nose | Mucosa | Atrophy | Moderate |
| | Mucosa | Degeneration | Moderate |
| | | Exudate | |
| | Glands | Hyperplasia | Cystic, Mild |
| | Mucosa | Pigmentation | Minimal |
| Ovary | | Angiectasis | Mild |
| | | Cyst | |
| Pancreas | Acinar Cell | Cytoplasmic Alteration | Moderate |
| Skeletal Muscle | | Inflammation | Chronic, Mild |
| Stomach | Glandular | Erosion | Minimal |
| Uterus | | Hyperplasia | Cystic, Mild |
| | Epithelium | Metaplasia | Squamous, Mild |
| Note: [ HYPERPLASIA ] TGLs = 1-7 | | | |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 405 | **TRT#:** 6 | **SEX:** Female | **DAY ON TEST:** 731 |
| | **DOSE:** .1% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47912 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Cortex | Adrenal Gland - Medulla | Bone | Esophagus |
| Gallbladder | Heart | Intestine Large - Cecum | Intestine Large - Colon |
| Intestine Large - Rectum | Intestine Small - Duodenum | Intestine Small - Ileum | Intestine Small - Jejunum |
| Islets, Pancreatic | Lymph Node - Mandibular | Lymph Node - Mesenteric | Mammary Gland |
| Pancreas | Parathyroid Gland | Pituitary Gland | Salivary Glands |
| Skeletal Muscle | Skin | Spleen | Stomach - Forestomach |
| Stomach - Glandular | Thymus | Tongue | Trachea |
| Urinary Bladder | | | |

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Bone Marrow | | Hypercellularity | Mild |
| Brain | Thalamus | Mineralization | Mild |
| Kidney | | Casts Protein | Minimal |
| Liver | | Inflammation | Subacute, Moderate |
| Lung | | Inflammation | Subacute, Minimal |
| Nose | Mucosa | Atrophy | Moderate |
| | Mucosa | Degeneration | Moderate |
| | | Exudate | |
| | Glands | Hyperplasia | Cystic, Minimal |
| | Mucosa | Pigmentation | Mild |
| Ovary | | Inflammation | Suppurative, Mild |
| Thyroid Gland | | Degeneration | Cystic, Minimal |
| Uterus | | Hyperplasia | Cystic, Mild |
| | | Inflammation | Suppurative, Mild |
| | Epithelium | Metaplasia | Squamous, Mild |

Note: [ HYPERPLASIA ] TGLs = 1-7

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 406 | **TRT#:** 6 | **SEX:** Female | **DAY ON TEST:** 114 |
| | **DOSE:** .1% | **DISP:** Moribund Sacrifice | **HISTO:** 87-44656 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Cortex | Adrenal Gland - Medulla | Bone | Brain |
| Esophagus | Gallbladder | 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 | Pancreas |
| Parathyroid Gland | Pituitary Gland | Salivary Glands | Skeletal Muscle |
| Skin | Stomach - Forestomach | Stomach - Glandular | Thymus |
| Thyroid Gland | Tongue | Trachea | Urinary Bladder |
| Uterus | | | |

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Bone Marrow | | Hypercellularity | Mild |
| Liver | | Hematopoietic Cell Proliferation | Minimal |
| Nose | Mucosa | Atrophy | Minimal |
| | Mucosa | Degeneration | Minimal |
| Ovary | | Teratoma Malignant | |
| Note: TERATOMA MAL TGLs = 1-7-1 | | | |
| Spleen | | Hematopoietic Cell Proliferation | Marked |
| Note: HEMA CELL PROL TGLs = 2-6 | | | |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 407 | **TRT#:** 6 | **SEX:** Female | **DAY ON TEST:** 722 |
| | **DOSE:** .1% | **DISP:** Natural Death | **HISTO:** 88-47062 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Medulla | Bone | Esophagus | Gallbladder |
| Heart | Intestine Large - Cecum | Intestine Large - Colon | Intestine Large - Rectum |
| Intestine Small - Duodenum | Intestine Small - Ileum | Intestine Small - Jejunum | Islets, Pancreatic |
| Lymph Node - Mandibular | Mammary Gland | Ovary | Pancreas |
| Parathyroid Gland | Pituitary Gland | Salivary Glands | Stomach - Forestomach |
| Stomach - Glandular | Thyroid Gland | Tongue | Trachea |
| Urinary Bladder | | | |

**MISSING**

Thymus

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Adrenal Gland | Cortex | Accessory Adrenal Cortical Nodule | |
| Bone Marrow | | Hypercellularity | Mild |
| Brain | Thalamus | Mineralization | Minimal |
| Kidney | | Hyperplasia | Lymphoid, Minimal |
| | Renal Tubule | Regeneration | Minimal |
| Liver | Kupffer Cell | Hyperplasia | Mild |
| | | Nuclear Alteration | Mild |
| | Kupffer Cell | Pigmentation | Minimal |
| Note: NUCLEATED HEPATOCYTES | | | |
| Note: NUCLEAR ALTER CONSISTS OF EXTENSIVE MITOSIS & MULTI- | | | |
| Lung | | Hemorrhage | Minimal |
| Note: [ HEMORRHAGE ] TGLs = 6-2,7-2 | | | |
| Lymph Node | Mesenteric | Hematopoietic Cell Proliferation | Mild |
| | Mesenteric | Hemorrhage | Mild |
| Nose | Mucosa | Atrophy | Moderate |
| | Mucosa | Degeneration | Moderate |
| | | Exudate | |
| | Glands | Hyperplasia | Cystic, Mild |
| | Mucosa | Pigmentation | Mild |
| Skeletal Muscle | | Fibrosarcoma | Metastatic (Skin) |

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 407 | **TRT#:** 6 | **SEX:** Female | **DAY ON TEST:** 722 |
| | **DOSE:** .1% | **DISP:** Natural Death | **HISTO:** 88-47062 |

**ORGAN AND ACCOUNTABLE SITE STATUS**

| | | | |
|---|---|---|---|
| Skin | Subcut Tiss | Fibrosarcoma | |
| Note: [ FIBROSARC ] TGLs = 1-21,2-22 | | | |
| Spleen | | Hematopoietic Cell Proliferation | Moderate |
| Note: [ HEMA CELL PROL ] TGLs = 4-6 | | | |
| Uterus | | Hyperplasia | Cystic, Mild |
| Note: [ HYPERPLASIA ] TGLs = 3-7 | | | |
| PRIMARY CAUSE OF DEATH | - | | |

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 408 | **TRT#:** 6 | **SEX:** Female | **DAY ON TEST:** 568 |
| | **DOSE:** .1% | **DISP:** Moribund Sacrifice | **HISTO:** 88-45713 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Cortex | Adrenal Gland - Medulla | Bone | Esophagus |
| Gallbladder | 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 | Ovary | Parathyroid Gland | Salivary Glands |
| Skeletal Muscle | Skin | Spleen | Stomach - Forestomach |
| Stomach - Glandular | Thymus | Thyroid Gland | Tongue |
| Trachea | Urinary Bladder | | |

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Bone Marrow | | Myelofibrosis | Minimal |
| Brain | Thalamus | Mineralization | Mild |
| Kidney | | Casts Protein | Minimal |
| Liver | | Hepatocellular Carcinoma | |
| | | Metaplasia | Osseous, Mild |
| Note: [ METAPL ] TGLs = 3-22,4-23 | | | |
| [ Hepatocellular Carcinoma TGLS = 2-21 ] | | | |
| Nose | Mucosa | Atrophy | Minimal |
| | Mucosa | Degeneration | Minimal |
| | | Exudate | |
| | Glands | Hyperplasia | Cystic, Mild |
| | Mucosa | Pigmentation | Minimal |
| Pancreas | | Atrophy | Mild |
| Pituitary Gland | Pars Distalis | Hyperplasia | Minimal |
| Uterus | | Hyperplasia | Cystic, Moderate |
| Note: [ HYPERPLASIA ] TGLs = 1-7 | | | |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 409 | **TRT#:** 6 | **SEX:** Female | **DAY ON TEST:** 708 |
| | **DOSE:** .1% | **DISP:** Moribund Sacrifice | **HISTO:** 88-46932 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Bone | Brain | Esophagus | Gallbladder |
| Heart | Intestine Large - Cecum | Intestine Large - Colon | Intestine Large - Rectum |
| Intestine Small - Duodenum | Intestine Small - Ileum | Intestine Small - Jejunum | Islets, Pancreatic |
| Lung | Mammary Gland | Parathyroid Gland | Salivary Glands |
| Skeletal Muscle | Skin | Stomach - Forestomach | Stomach - Glandular |
| Thymus | Thyroid Gland | Tongue | Trachea |
| Urinary Bladder | | | |

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Adrenal Gland | Cortex | Hematopoietic Cell Proliferation | Minimal |
| | Medulla | Hyperplasia | Minimal |
| Blood Vessel | | Inflammation | Chronic Active, Mild |
| Note: INFLAMMATION PRESENT ON SLIDES 4, 7 AND 11 | | | |
| Bone Marrow | | Hypercellularity | Marked |
| Kidney | | Casts Protein | Minimal |
| | | Glomerulosclerosis | Mild |
| | Renal Tubule | Regeneration | Minimal |
| Liver | | Hematopoietic Cell Proliferation | Moderate |
| | | Hepatocellular Carcinoma | Multiple, Two |
| | Kupffer Cell | Hyperplasia | Moderate |
| | Kupffer Cell | Pigmentation | Mild |
| Note: [ HEPATOCLR CARC ] TGLs = 4-21,5-22 | | | |
| Lymph Node | Mandibular | Hematopoietic Cell Proliferation | Minimal |
| | Mesenteric | Hematopoietic Cell Proliferation | Moderate |
| Nose | Mucosa | Atrophy | Minimal |
| | Mucosa | Degeneration | Minimal |
| | Glands | Hyperplasia | Cystic, Minimal |
| | Mucosa | Pigmentation | Minimal |
| Ovary | | Cyst | |
| | | Inflammation | Suppurative, Marked |
| Note: [ INFLAMMATION ] TGLs = 1-7-1 | | | |

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 409 | **TRT#:** 6 | **SEX:** Female | **DAY ON TEST:** 708 |
| | **DOSE:** .1% | **DISP:** Moribund Sacrifice | **HISTO:** 88-46932 |

**ORGAN AND ACCOUNTABLE SITE STATUS**

| | | | |
|---|---|---|---|
| Pancreas | | Atrophy | Minimal |
| | | Hyperplasia | Lymphoid, Minimal |
| Pituitary Gland | Pars Distalis | Hyperplasia | Moderate |
| Spleen | | Hematopoietic Cell Proliferation | Moderate |
| Note: [ HEMA CELL PROL ] TGLs = 3-6 | | | |
| Uterus | | Hyperplasia | Cystic, Minimal |
| Note: [ HYPERPLASIA ] TGLs = 2-7 | | | |
| PRIMARY CAUSE OF DEATH | - | | |

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 410 | **TRT#:** 6 | **SEX:** Female | **DAY ON TEST:** 458 |
| | **DOSE:** .1% | **DISP:** Scheduled Sacrifice | **HISTO:** 87-45187 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Cortex | Adrenal Gland - Medulla | Bone | Bone Marrow |
| Esophagus | Gallbladder | 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 | Ovary | Pancreas |
| Parathyroid Gland | Pituitary Gland | Salivary Glands | Skeletal Muscle |
| Skin | Stomach - Glandular | Thymus | Thyroid Gland |
| Tongue | Trachea | | |

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Brain | Thalamus | Mineralization | Minimal |
| Kidney | | Casts Protein | Minimal |
| | Renal Tubule | Regeneration | Minimal |
| Liver | | Hepatocellular Adenoma | |
| | | Hyperplasia | Lymphoid, Minimal |
| | | Inflammation | Subacute, Minimal |
| | | Mineralization | Mild |
| Note: HEPATOCLR ADEN TGLs = 3-21 | | | |
| Nose | Mucosa | Atrophy | Mild |
| | Mucosa | Degeneration | Mild |
| | Glands | Hyperplasia | Cystic, Minimal |
| | Mucosa | Pigmentation | Minimal |
| Spleen | Lymph Follic | Hyperplasia | Mild |
| Stomach | Forestomach, Mucosa | Hyperplasia | Mild |
| | Forestomach | Inflammation | Subacute, Mild |
| Urinary Bladder | | Hyperplasia | Lymphoid, Minimal |
| Uterus | | Hyperplasia | Cystic, Mild |
| Note: HYPERPLASIA TGLs = 1-7,2-7 | | | |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 411 | **TRT#:** 6 | **SEX:** Female | **DAY ON TEST:** 723 |
| | **DOSE:** .1% | **DISP:** Moribund Sacrifice | **HISTO:** 88-47063 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Medulla | Bone | Bone Marrow | Esophagus |
| Gallbladder | Heart | Intestine Large - Cecum | Intestine Large - Colon |
| Intestine Large - Rectum | Intestine Small - Duodenum | Intestine Small - Ileum | Intestine Small - Jejunum |
| Islets, Pancreatic | Kidney | Liver | Lung |
| Lymph Node - Mandibular | Lymph Node - Mesenteric | Mammary Gland | Ovary |
| Pancreas | Parathyroid Gland | Salivary Glands | Stomach - Forestomach |
| Stomach - Glandular | Thymus | Thyroid Gland | Tongue |
| Trachea | | | |

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Adrenal Gland | Capsule, Cortex | Hyperplasia | Mild |
| Brain | Thalamus | Mineralization | Minimal |
| Nose | Mucosa | Atrophy | Mild |
| | Mucosa | Degeneration | Mild |
| | | Exudate | |
| | Glands | Hyperplasia | Cystic, Minimal |
| | Mucosa | Pigmentation | Minimal |
| Pituitary Gland | Pars Distalis | Hyperplasia | Minimal |
| Skeletal Muscle | | Fibrosarcoma | Metastatic (Skin) |
| Skin | Subcut Tiss | Fibrosarcoma | |
| Note: [ FIBROSARC ] TGLs = 1-21 | | | |
| Spleen | | Hematopoietic Cell Proliferation | Minimal |
| Urinary Bladder | | Hyperplasia | Lymphoid, Minimal |
| Uterus | | Hydrometra | Marked |
| | | Hyperplasia | Cystic, Mild |
| Note: [ HYDROMETRA ] TGLs = 2-7,2-7-1 | | | |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 412 | **TRT#:** 6 | **SEX:** Female | **DAY ON TEST:** 731 |
| | **DOSE:** .1% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47913 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Cortex | Adrenal Gland - Medulla | Bone | Brain |
| Esophagus | Gallbladder | 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 | Mammary Gland | Ovary |
| Parathyroid Gland | Pituitary Gland | Skeletal Muscle | Skin |
| Spleen | Stomach - Forestomach | Stomach - Glandular | Thymus |
| Thyroid Gland | Tongue | Trachea | |

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Blood Vessel | | Inflammation | Chronic Active, Minimal |
| Note: INFLAMMATION IS ON SLIDE 11 IN TONGUE | | | |
| Bone Marrow | | Pigmentation | Hemosiderin, Moderate |
| Kidney | | Casts Protein | Minimal |
| | | Hyperplasia | Lymphoid, Minimal |
| | Renal Tubule | Regeneration | Minimal |
| Nose | Mucosa | Atrophy | Moderate |
| | Mucosa | Degeneration | Moderate |
| | | Exudate | |
| | Glands | Hyperplasia | Cystic, Mild |
| | Mucosa | Pigmentation | Mild |
| Pancreas | | Hyperplasia | Lymphoid, Minimal |
| Salivary Glands | | Hyperplasia | Lymphoid, Mild |
| Urinary Bladder | | Hyperplasia | Lymphoid, Minimal |
| Uterus | | Hyperplasia | Cystic, Mild |
| Note: [ HYPERPLASIA ] TGLs = 1-7 | | | |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 413 | **TRT#:** 6 | **SEX:** Female | **DAY ON TEST:** 458 |
| | **DOSE:** .1% | **DISP:** Scheduled Sacrifice | **HISTO:** 87-45188 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Medulla | Bone | Bone Marrow | Esophagus |
| Gallbladder | 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 | Mammary Gland | Ovary | Parathyroid Gland |
| Pituitary Gland | Salivary Glands | Skeletal Muscle | Skin |
| Spleen | Stomach - Glandular | Thymus | Tongue |
| Trachea | Urinary Bladder | | |

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Adrenal Gland | Cortex | Accessory Adrenal Cortical Nodule | |
| Brain | Thalamus | Mineralization | Minimal |
| Kidney | | Casts Protein | Minimal |
| Nose | Mucosa | Atrophy | Moderate |
| | Mucosa | Degeneration | Moderate |
| | Glands | Hyperplasia | Cystic, Minimal |
| | Mucosa | Pigmentation | Minimal |
| Pancreas | | Hyperplasia | Lymphoid, Minimal |
| Stomach | Forestomach | Diverticulum | Mild |
| Thyroid Gland | | Degeneration | Cystic, Moderate |
| Uterus | | Hyperplasia | Cystic, Minimal |

Note: HYPERPLASIA TGLs = 1-7

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 414 | **TRT#:** 6 | **SEX:** Female | **DAY ON TEST:** 731 |
| | **DOSE:** .1% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47914 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Cortex | Adrenal Gland - Medulla | Bone | Esophagus |
| Gallbladder | Heart | Intestine Large - Cecum | Intestine Large - Colon |
| Intestine Large - Rectum | Intestine Small - Duodenum | Intestine Small - Ileum | Intestine Small - Jejunum |
| Islets, Pancreatic | Liver | Lung | Mammary Gland |
| Ovary | Parathyroid Gland | Pituitary Gland | Salivary Glands |
| Skeletal Muscle | Skin | Stomach - Glandular | Thymus |
| Tongue | Trachea | Urinary Bladder | |

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Bone Marrow | | Hypercellularity | Mild |
| | | Myelofibrosis | Minimal |
| Brain | Thalamus | Mineralization | Minimal |
| Kidney | | Hyperplasia | Lymphoid, Minimal |
| Lymph Node | Mandibular | Hyperplasia | Lymphoid, Mild |
| | Mesenteric | Hyperplasia | Lymphoid, Mild |
| Mesentery | | Inflammation | Suppurative, Mild |
| Note: INFLAMMATION IS ON SLIDE 7 ADJACENT TO OVARY | | | |
| Nose | Mucosa | Atrophy | Moderate |
| | Mucosa | Degeneration | Moderate |
| | | Exudate | |
| | Glands | Hyperplasia | Cystic, Minimal |
| | Mucosa | Pigmentation | Minimal |
| Pancreas | | Cyst | |
| Note: [ CYST ] TGLs = 4-22 | | | |
| Spleen | | Hematopoietic Cell Proliferation | Minimal |
| | Lymph Follic | Hyperplasia | Moderate |
| Note: [ HYPERPLASIA ] TGLs = 5-6 | | | |
| Note: [ HEMA CELL PROL ] TGLs = 5-6 | | | |
| Stomach | Forestomach | Diverticulum | Mild |
| Thyroid Gland | | Degeneration | Cystic, Minimal |
| | Follicular Cel | Hyperplasia | Minimal |

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 414 | **TRT#:** 6 | **SEX:** Female | **DAY ON TEST:** 731 |
| | **DOSE:** .1% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47914 |

**ORGAN AND ACCOUNTABLE SITE STATUS**

| | | | |
|---|---|---|---|
| Uterus | | Hydrometra | Marked |
| | | Hyperplasia | Cystic, Mild |
| | Epithelium | Metaplasia | Squamous, Marked |
| Note: [ HYPERPLASIA ] TGLs = 3-7 | | | |
| Note: [ HYDROMETRA ] TGLs = 2-7 | | | |
| PRIMARY CAUSE OF DEATH | - | | |

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 415 | **TRT#:** 6 | **SEX:** Female | **DAY ON TEST:** 732 |
| | **DOSE:** .1% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47915 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Cortex | Adrenal Gland - Medulla | Bone | Esophagus |
| Gallbladder | Heart | Intestine Large - Cecum | Intestine Large - Colon |
| Intestine Large - Rectum | Intestine Small - Duodenum | Intestine Small - Ileum | Intestine Small - Jejunum |
| Islets, Pancreatic | Lung | Lymph Node - Mandibular | Lymph Node - Mesenteric |
| Mammary Gland | Pancreas | Parathyroid Gland | Pituitary Gland |
| Salivary Glands | Skeletal Muscle | Skin | Stomach - Forestomach |
| Stomach - Glandular | Thymus | Tongue | Trachea |
| Urinary Bladder | | | |

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Bone Marrow | | Hypercellularity | Moderate |
| Brain | Thalamus | Mineralization | Mild |
| Kidney | | Casts Protein | Minimal |
| | Renal Tubule | Regeneration | Minimal |
| Liver | | Lymphoma Malignant Mixed | |
| | | Nuclear Alteration | Mild |
| | Kupffer Cell | Pigmentation | Minimal |
| Note: [ LYMPH MAL MIXD ] TGLs = 6-21,7-22,8-23,9-24 | | | |
| Note: LYMPH MAL MIXD ALSO ON SLIDE 6 | | | |
| Nose | Mucosa | Atrophy | Minimal |
| | Mucosa | Degeneration | Minimal |
| | Glands | Hyperplasia | Cystic, Minimal |
| | Mucosa | Pigmentation | Minimal |
| Ovary | | Cyst | |
| | | Hemorrhage | Marked |
| | | Inflammation | Suppurative, Marked |
| Note: [ CYST ] TGLs = 1-7,2-7 | | | |
| Note: [ HEMORRHAGE ] TGLs = 1-7 | | | |
| Note: [ INFLAMMATION ] TGLs = 1-7 | | | |
| Spleen | | Hematopoietic Cell Proliferation | Mild |
| | | Pigmentation | Hemosiderin, Mild |

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 415 | **TRT#:** 6 | **SEX:** Female | **DAY ON TEST:** 732 |
| | **DOSE:** .1% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47915 |

**ORGAN AND ACCOUNTABLE SITE STATUS**

| | | | |
|---|---|---|---|
| Note: [ HEMA CELL PROL ] TGLs = 5-6 | | | |
| Thyroid Gland | Follicular Cel | Hyperplasia | Mild |
| Uterus | | Hydrometra | Marked |
| | | Hyperplasia | Cystic, Minimal |
| | | Inflammation | Suppurative, Mild |
| | Epithelium | Metaplasia | Squamous, Marked |
| Note: [ HYDROMETRA ] TGLs = 3-7 | | | |
| Note: [ HYPERPLASIA ] TGLs = 4-7 | | | |
| PRIMARY CAUSE OF DEATH | - | | |

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 416 | **TRT#:** 6 | **SEX:** Female | **DAY ON TEST:** 458 |
| | **DOSE:** .1% | **DISP:** Scheduled Sacrifice | **HISTO:** 87-45189 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Medulla | Bone | Bone Marrow | Esophagus |
| Gallbladder | Heart | Intestine Large - Cecum | Intestine Large - Colon |
| Intestine Large - Rectum | Intestine Small - Duodenum | Intestine Small - Ileum | Intestine Small - Jejunum |
| Islets, Pancreatic | Kidney | Liver | Lymph Node - Mandibular |
| Lymph Node - Mesenteric | Mammary Gland | Pancreas | Parathyroid Gland |
| Pituitary Gland | Salivary Glands | Skeletal Muscle | Skin |
| Spleen | Stomach - Forestomach | Stomach - Glandular | Thymus |
| Tongue | Trachea | Urinary Bladder | |

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Adrenal Gland | Cortex | Accessory Adrenal Cortical Nodule | |
| Brain | Thalamus | Mineralization | Moderate |
| Lung | Bronchiole | Foreign Body | Mild |
| Nose | Mucosa | Atrophy | Moderate |
| | Mucosa | Degeneration | Moderate |
| | Glands | Hyperplasia | Cystic, Mild |
| | Mucosa | Pigmentation | Minimal |
| Ovary | | Cyst | |
| Note: CYST TGLs = 1-7 | | | |
| Thyroid Gland | | Degeneration | Cystic, Minimal |
| Uterus | | Hyperplasia | Cystic, Moderate |
| Note: HYPERPLASIA TGLs = 2-7 | | | |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 417 | **TRT#:** 6 | **SEX:** Female | **DAY ON TEST:** 732 |
| | **DOSE:** .1% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47947 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Cortex | Adrenal Gland - Medulla | Bone | Esophagus |
| Gallbladder | Heart | Intestine Large - Cecum | Intestine Large - Colon |
| Intestine Large - Rectum | Intestine Small | Islets, Pancreatic | Lymph Node - Mandibular |
| Lymph Node - Mesenteric | Mammary Gland | Pancreas | Parathyroid Gland |
| Pituitary Gland | Salivary Glands | Skeletal Muscle | Skin |
| Stomach - Forestomach | Stomach - Glandular | Thymus | Thyroid Gland |
| Tongue | Trachea | Urinary Bladder | |

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Bone Marrow | | Hypercellularity | Marked |
| Brain | Thalamus | Mineralization | Minimal |
| Kidney | | Casts Protein | Minimal |
| | | Hyperplasia | Lymphoid, Minimal |
| Liver | | Hematopoietic Cell Proliferation | Mild |
| | Kupffer Cell | Hyperplasia | Mild |
| | | Inflammation | Subacute, Minimal |
| Lung | | Inflammation | Subacute, Minimal |
| Nose | Mucosa | Atrophy | Minimal |
| | Mucosa | Degeneration | Minimal |
| | | Exudate | |
| | Glands | Hyperplasia | Cystic, Minimal |
| | Mucosa | Pigmentation | Minimal |
| Ovary | | Cyst | |
| | | Inflammation | Suppurative, Marked |
| Note: [ CYST ] TGLs = 3-7-1 | | | |
| Note: [ INFLAMMATION ] TGLs = 2-7,4-7-1 | | | |
| Spleen | | Hematopoietic Cell Proliferation | Moderate |
| Note: [ HEMA CELL PROL ] TGLs = 6-6 | | | |
| Uterus | | Angiectasis | Moderate |
| | | Hyperplasia | Cystic, Mild |
| | Epithelium | Metaplasia | Squamous, Mild |

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 417 | **TRT#:** 6 | **SEX:** Female | **DAY ON TEST:** 732 |
| | **DOSE:** .1% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47947 |

**ORGAN AND ACCOUNTABLE SITE STATUS**

| | | |
|---|---|---|
| | Necrosis | Moderate |
| Note: [ HYPERPLASIA ] TGLs = 1-7 | | |
| Note: [ ANGIECTASIS ] TGLs = 5-7 | | |
| Note: [ NECROSIS ] TGLs = 5-7 | | |
| PRIMARY CAUSE OF DEATH - | | |

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 418 | **TRT#:** 6 | **SEX:** Female | **DAY ON TEST:** 732 |
| | **DOSE:** .1% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47916 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Cortex | Adrenal Gland - Medulla | Bone | Bone Marrow |
| Esophagus | Gallbladder | Heart | Intestine Large - Cecum |
| Intestine Large - Colon | Intestine Small - Duodenum | Intestine Small - Ileum | Intestine Small - Jejunum |
| Islets, Pancreatic | Lung | Lymph Node - Mandibular | Lymph Node - Mesenteric |
| Mammary Gland | Pancreas | Parathyroid Gland | Salivary Glands |
| Skeletal Muscle | Skin | Spleen | Stomach - Glandular |
| Thymus | Thyroid Gland | Tongue | Trachea |

**MISSING**

Intestine Large - Rectum

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Brain | Thalamus | Mineralization | Moderate |
| Kidney | | Casts Protein | Minimal |
| Liver | | Hyperplasia | Lymphoid, Mild |
| Nose | Mucosa | Atrophy | Moderate |
| | Mucosa | Degeneration | Moderate |
| | | Exudate | |
| | Glands | Hyperplasia | Cystic, Mild |
| | Mucosa | Pigmentation | Minimal |
| Ovary | | Cyst | |
| Note: [ CYST ] TGLs = 2-7 | | | |
| Pituitary Gland | Pars Distalis | Adenoma | |
| Note: [ ADENOMA ] TGLs = 3-1 | | | |
| Stomach | Forestomach, Mucosa | Hyperplasia | Moderate |
| | Forestomach | Inflammation | Subacute, Mild |
| Note: [ INFLAMMATION ] TGLs = 5-21 | | | |
| Note: [ HYPERPLASIA ] TGLs = 5-21 | | | |
| Urinary Bladder | | Hyperplasia | Lymphoid, Mild |
| Uterus | | Hyperplasia | Cystic, Minimal |
| Note: MINOR LYMPHOID INFILTRATE IN MYOMETRIUM; NOT CODED | | | |
| Note: [ HYPERPLASIA ] TGLs = 1-7 | | | |

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 418 | **TRT#:** 6 | **SEX:** Female | **DAY ON TEST:** 732 |
| | **DOSE:** .1% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47916 |

**ORGAN AND ACCOUNTABLE SITE STATUS**

| | |
|---|---|
| PRIMARY CAUSE OF DEATH | - |

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 419 | **TRT#:** 6 | **SEX:** Female | **DAY ON TEST:** 732 |
| | **DOSE:** .1% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47917 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Cortex | Adrenal Gland - Medulla | Bone | Bone Marrow |
| Esophagus | Gallbladder | 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 | Mammary Gland | Ovary |
| Pancreas | Parathyroid Gland | Pituitary Gland | Skeletal Muscle |
| Skin | Spleen | Stomach - Forestomach | Stomach - Glandular |
| Thymus | Tongue | Trachea | |

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Brain | Thalamus | Mineralization | Mild |
| Kidney | | Casts Protein | Minimal |
| | | Hyperplasia | Lymphoid, Minimal |
| Nose | Mucosa | Atrophy | Minimal |
| | Mucosa | Degeneration | Minimal |
| | | Exudate | |
| | Glands | Hyperplasia | Cystic, Minimal |
| | Mucosa | Pigmentation | Minimal |
| Salivary Glands | | Hyperplasia | Lymphoid, Mild |
| Thyroid Gland | | Degeneration | Cystic, Mild |
| Urinary Bladder | | Hyperplasia | Lymphoid, Minimal |
| Uterus | | Hyperplasia | Cystic, Moderate |

Note: [ HYPERPLASIA ] TGLs = 1-7

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 420 | **TRT#:** 6 | **SEX:** Female | **DAY ON TEST:** 732 |
| | **DOSE:** .1% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47918 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Cortex | Adrenal Gland - Medulla | Bone | Bone Marrow |
| Brain | Esophagus | Gallbladder | 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 | Mammary Gland | Ovary | Parathyroid Gland |
| Salivary Glands | Skeletal Muscle | Skin | Spleen |
| Stomach - Glandular | Thymus | Tongue | Trachea |
| Urinary Bladder | | | |

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Kidney | | Casts Protein | Minimal |
| | Renal Tubule | Regeneration | Minimal |
| Liver | | Angiectasis | Minimal |
| | | Clear Cell Focus | |
| | | Hepatocellular Adenoma | |
| Note: [ HEPATOCLR ADEN ] TGLs = 3-22 | | | |
| Note: PORTION OF HEPATOCLR ADEN IS ON SLIDE 6 | | | |
| Lymph Node | Mesenteric | Lymphoma Malignant Mixed | |
| Note: [ LYMPH MAL MIXD ] TGLs = 4-5 | | | |
| Nose | Mucosa | Atrophy | Mild |
| | Mucosa | Degeneration | Mild |
| | Glands | Hyperplasia | Cystic, Minimal |
| | Mucosa | Pigmentation | Minimal |
| Pancreas | | Cyst | |
| Note: [ CYST ] TGLs = 2-21 | | | |
| Pituitary Gland | Pars Distalis | Angiectasis | Mild |
| Stomach | Forestomach, Mucosa | Hyperplasia | Minimal |
| Thyroid Gland | Follicular Cel | Hyperplasia | Minimal |
| Uterus | | Hyperplasia | Cystic, Moderate |
| Note: [ HYPERPLASIA ] TGLs = 1-7 | | | |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 421 | **TRT#:** 8 | **SEX:** Female | **DAY ON TEST:** 594 |
| | **DOSE:** .3% | **DISP:** Natural Death | **HISTO:** 88-45781 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Medulla | Bone | Bone Marrow | Esophagus |
| Gallbladder | Heart | Intestine Large - Cecum | Intestine Large - Colon |
| Intestine Large - Rectum | Intestine Small - Duodenum | Intestine Small - Ileum | Intestine Small - Jejunum |
| Islets, Pancreatic | Lymph Node - Mandibular | Mammary Gland | Pancreas |
| Pituitary Gland | Salivary Glands | Skeletal Muscle | Skin |
| Stomach - Forestomach | Stomach - Glandular | Thyroid Gland | Tongue |
| Trachea | Urinary Bladder | | |

**MISSING**

| | |
|---|---|
| Parathyroid Gland | Thymus |

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Adrenal Gland | Cortex | Cyst | |
| Brain | Thalamus | Mineralization | Moderate |
| Kidney | | Casts Protein | Minimal |
| | Renal Tubule | Regeneration | Mild |
| Liver | | Hepatocellular Adenoma | |
| | Kupffer Cell | Hyperplasia | Moderate |
| Note: [ HEPATOCLR ADEN ] TGLs = 3-21 | | | |
| Lung | | Edema | Mild |
| Lymph Node | Mesenteric | Hematopoietic Cell Proliferation | Mild |
| Mesentery | | Inflammation | Suppurative, Moderate |
| Nose | Mucosa | Atrophy | Mild |
| | Mucosa | Degeneration | Moderate |
| | Glands | Hyperplasia | Cystic, Mild |
| | Mucosa | Pigmentation | Minimal |
| Ovary | | Inflammation | Suppurative, Marked |
| Note: [ INFLAMMATION ] TGLs = 1-7 | | | |
| Spleen | | Hematopoietic Cell Proliferation | Mild |
| Uterus | | Inflammation | Suppurative, Marked |
| Note: [ INFLAMMATION ] TGLs = 2-7 | | | |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 421 | **TRT#:** 8 | **SEX:** Female | **DAY ON TEST:** 594 |
| | **DOSE:** .3% | **DISP:** Natural Death | **HISTO:** 88-45781 |

**ORGAN AND ACCOUNTABLE SITE STATUS**

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 422 | **TRT#:** 8 | **SEX:** Female | **DAY ON TEST:** 730 |
| | **DOSE:** .3% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47190 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Cortex | Adrenal Gland - Medulla | Bone | Brain |
| Esophagus | Gallbladder | 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 | Ovary |
| Pancreas | Pituitary Gland | Salivary Glands | Skeletal Muscle |
| Spleen | Stomach - Forestomach | Stomach - Glandular | Thymus |
| Thyroid Gland | Tongue | Trachea | Urinary Bladder |

**MISSING**

Parathyroid Gland

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Bone Marrow | | Myelofibrosis | Mild |
| Liver | | Hepatocellular Adenoma | |
| | | Inflammation | Subacute, Minimal |
| | Lobules | Necrosis | Minimal |
| [ Inflammation TGLS = 4-21 ] | | | |
| Nose | Mucosa | Atrophy | Moderate |
| | Mucosa | Degeneration | Moderate |
| | | Exudate | |
| | Glands | Hyperplasia | Cystic, Moderate |
| | Mucosa | Pigmentation | Mild |
| Skin | | Acanthosis | Minimal |
| | | Inflammation | Chronic, Minimal |
| Note: [ ACANTHOSIS ] TGLs = 1-8 | | | |
| Note: [ INFLAMMATION ] TGLs = 1-8 | | | |
| Uterus | | Hyperplasia | Cystic, Moderate |
| | | Necrosis | Marked |
| Note: [ HYPERPLASIA ] TGLs = 2-7 | | | |
| Note: [ NECROSIS ] TGLs = 3-7 | | | |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 422 | **TRT#:** 8 | **SEX:** Female | **DAY ON TEST:** 730 |
| | **DOSE:** .3% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47190 |

**ORGAN AND ACCOUNTABLE SITE STATUS**

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 423 | **TRT#:** 8 | **SEX:** Female | **DAY ON TEST:** 456 |
| | **DOSE:** .3% | **DISP:** Scheduled Sacrifice | **HISTO:** 87-45147 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Cortex | Adrenal Gland - Medulla | Bone | Bone Marrow |
| Esophagus | Gallbladder | Heart | Intestine Large - Cecum |
| Intestine Large - Colon | Intestine Large - Rectum | Intestine Small - Duodenum | Intestine Small - Ileum |
| Intestine Small - Jejunum | Islets, Pancreatic | Kidney | Liver |
| Lung | Lymph Node - Mandibular | Lymph Node - Mesenteric | Mammary Gland |
| Ovary | Pancreas | Parathyroid Gland | Pituitary Gland |
| Salivary Glands | Skeletal Muscle | Skin | Spleen |
| Stomach - Forestomach | Stomach - Glandular | Thymus | Thyroid Gland |
| Tongue | Trachea | Urinary Bladder | |

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Brain | Thalamus | Mineralization | Mild |
| Nose | Mucosa | Atrophy | Moderate |
| | Mucosa | Degeneration | Moderate |
| | Glands | Hyperplasia | Cystic, Mild |
| | Mucosa | Pigmentation | Mild |
| Uterus | | Hyperplasia | Cystic, Moderate |
| Note: HYPERPLASIA TGLs = 1-7 | | | |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 424 | **TRT#:** 8 | **SEX:** Female | **DAY ON TEST:** 730 |
| | **DOSE:** .3% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47191 |

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Medulla | Bone | Brain | Esophagus |
| Gallbladder | Heart | Intestine Large - Cecum | Intestine Large - Colon |
| Intestine Large - Rectum | Intestine Small - Duodenum | Intestine Small - Ileum | Intestine Small - Jejunum |
| Islets, Pancreatic | Kidney | Liver | Lymph Node - Mandibular |
| Lymph Node - Mesenteric | Mammary Gland | Ovary | Pancreas |
| Parathyroid Gland | Skin | Spleen | Stomach - Forestomach |
| Stomach - Glandular | Thymus | Tongue | Trachea |

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Adrenal Gland | Cortex | Accessory Adrenal Cortical Nodule | |
| | Cortex | Cyst | |
| Bone Marrow | | Myelofibrosis | Minimal |
| Lung | | Hyperplasia | Lymphoid, Minimal |
| Nose | Mucosa | Atrophy | Moderate |
| | Mucosa | Degeneration | Moderate |
| | | Exudate | |
| | Glands | Hyperplasia | Cystic, Mild |
| | Mucosa | Pigmentation | Mild |
| Pituitary Gland | Pars Distalis | Hyperplasia | Mild |
| Salivary Glands | | Hyperplasia | Lymphoid, Minimal |
| Skeletal Muscle | | Inflammation | Chronic, Minimal |
| Thyroid Gland | | Degeneration | Cystic, Minimal |
| | Follicular Cel | Hyperplasia | Minimal |
| Urinary Bladder | | Hyperplasia | Lymphoid, Mild |
| Uterus | | Hyperplasia | Cystic, Marked |

Note: [ HYPERPLASIA ] TGLs = 1-7

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 425 | **TRT#:** 8 | **SEX:** Female | **DAY ON TEST:** 730 |
| | **DOSE:** .3% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47192 |

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Medulla | Bone | Bone Marrow | Brain |
| Esophagus | Gallbladder | 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 | Mammary Gland | Pancreas |
| Parathyroid Gland | Pituitary Gland | Salivary Glands | Skeletal Muscle |
| Skin | Spleen | Stomach - Forestomach | Stomach - Glandular |
| Thymus | Thyroid Gland | Tongue | Trachea |

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Adrenal Gland | Cortex | Accessory Adrenal Cortical Nodule | |
| Kidney | | Casts Protein | Minimal |
| Nose | Mucosa | Atrophy | Mild |
| | Mucosa | Degeneration | Mild |
| | | Exudate | |
| | Glands | Hyperplasia | Cystic, Minimal |
| | Mucosa | Pigmentation | Minimal |
| Ovary | | Angiectasis | Mild |
| Urinary Bladder | | Hyperplasia | Lymphoid, Mild |
| Uterus | | Hyperplasia | Cystic, Moderate |
| | Epithelium | Metaplasia | Squamous, Mild |

Note: [ HYPERPLASIA ] TGLs = 1-7

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 426 | **TRT#:** 8 | **SEX:** Female | **DAY ON TEST:** 544 |
| | **DOSE:** .3% | **DISP:** Moribund Sacrifice | **HISTO:** 88-45677 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Cortex | Adrenal Gland - Medulla | Bone | Esophagus |
| Gallbladder | Intestine Large - Cecum | Intestine Large - Colon | Intestine Large - Rectum |
| Intestine Small - Duodenum | Intestine Small - Ileum | Intestine Small - Jejunum | Islets, Pancreatic |
| Lung | Lymph Node - Mesenteric | Pancreas | Parathyroid Gland |
| Salivary Glands | Skeletal Muscle | Skin | Stomach - Forestomach |
| Stomach - Glandular | Tongue | Trachea | Urinary Bladder |

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Blood Vessel | | Inflammation | Chronic Active, Mild |
| Note: LESION PRESENT ON SLIDES 7,8,11 | | | |
| Bone Marrow | | Hypercellularity | Marked |
| Brain | | Compression | |
| | Thalamus | Mineralization | Mild |
| Note: [ COMPRESSION ] TGLs = 7-1 | | | |
| Heart | | Cardiomyopathy | Moderate |
| Kidney | | Casts Protein | Minimal |
| | Renal Tubule | Regeneration | Mild |
| Liver | | Hematopoietic Cell Proliferation | Moderate |
| | | Hepatocellular Adenoma | |
| | Kupffer Cell | Hyperplasia | Mild |
| | Kupffer Cell | Pigmentation | Mild |
| Note: [ HEPATOCLR ADEN ] TGLs = 3-21 | | | |
| Lymph Node | Iliac | Hyperplasia | Plasma Cell, Marked |
| | Mandibular | Hyperplasia | Plasma Cell, Mild |
| | Renal | Hyperplasia | Plasma Cell, Marked |
| Note: [ HYPERPLASIA ] TGLs = 4-22 | | | |
| Note: [ HYPERPLASIA ] TGLs = 5-23 | | | |
| Mammary Gland | | Hyperplasia | Lobular, Mild |
| Nose | Mucosa | Atrophy | Mild |
| | Mucosa | Degeneration | Mild |
| | | Exudate | |

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 426 | **TRT#:** 8 | **SEX:** Female | **DAY ON TEST:** 544 |
| | **DOSE:** .3% | **DISP:** Moribund Sacrifice | **HISTO:** 88-45677 |

**ORGAN AND ACCOUNTABLE SITE STATUS**

| | | | |
|---|---|---|---|
| | Glands | Hyperplasia | Cystic, Mild |
| | Mucosa | Pigmentation | Minimal |
| Ovary | | Inflammation | Suppurative, Marked |
| Note: [ INFLAMMATION ] TGLs = 2-7 | | | |
| Note: ABSCESS EXTENDS INTO ABDOMINAL WALL | | | |
| Pituitary Gland | Pars Distalis | Adenoma | |
| Note: [ ADENOMA ] TGLs = 6-1 | | | |
| Spleen | | Hematopoietic Cell Proliferation | Moderate |
| Note: [ HEMA CELL PROL ] TGLs = 8-6 | | | |
| Thymus | | Cyst | |
| Thyroid Gland | | Degeneration | Cystic, Mild |
| Uterus | | Hyperplasia | Cystic, Mild |
| | | Inflammation | Suppurative, Mild |
| Note: [ HYPERPLASIA ] TGLs = 1-7 | | | |
| PRIMARY CAUSE OF DEATH | - | | |

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 427 | **TRT#:** 8 | **SEX:** Female | **DAY ON TEST:** 730 |
| | **DOSE:** .3% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47193 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Cortex | Adrenal Gland - Medulla | Bone | Bone Marrow |
| Brain | Esophagus | Gallbladder | 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 | Pituitary Gland | Skeletal Muscle |
| Skin | Spleen | Stomach - Forestomach | Stomach - Glandular |
| Thyroid Gland | Tongue | Trachea | Urinary Bladder |

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Kidney | | Casts Protein | Minimal |
| | | Hyperplasia | Lymphoid, Minimal |
| Liver | | Hyperplasia | Lymphoid, Mild |
| Lung | | Hyperplasia | Lymphoid, Mild |
| Nose | Mucosa | Atrophy | Moderate |
| | Mucosa | Degeneration | Moderate |
| | | Exudate | |
| | Glands | Hyperplasia | Cystic, Mild |
| | Mucosa | Pigmentation | Minimal |
| Ovary | | Cyst | |
| Note: [ CYST ] TGLs = 2-7 | | | |
| Pancreas | | Hyperplasia | Lymphoid, Minimal |
| Parathyroid Gland | | Cyst | |
| Salivary Glands | | Hyperplasia | Lymphoid, Moderate |
| Thymus | | Cyst | |
| Uterus | | Hyperplasia | Cystic, Marked |
| | Epithelium | Metaplasia | Squamous, Minimal |
| Note: [ HYPERPLASIA ] TGLs = 1-7 | | | |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 428 | **TRT#:** 8 | **SEX:** Female | **DAY ON TEST:** 456 |
| | **DOSE:** .3% | **DISP:** Scheduled Sacrifice | **HISTO:** 87-45148 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Medulla | Bone | Bone Marrow | Esophagus |
| Gallbladder | 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 |
| Mammary Gland | Ovary | Pancreas | Parathyroid Gland |
| Pituitary Gland | Salivary Glands | Skeletal Muscle | Skin |
| Spleen | Stomach - Forestomach | Stomach - Glandular | Thyroid Gland |
| Tongue | Trachea | Urinary Bladder | |

**MISSING**

Thymus

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Adrenal Gland | Cortex | Angiectasis | Mild |
| Brain | Thalamus | Mineralization | Mild |
| Kidney | | Casts Protein | Minimal |
| Lung | | Hyperplasia | Lymphoid, Mild |
| Nose | Mucosa | Atrophy | Moderate |
| | Mucosa | Degeneration | Moderate |
| | Glands | Hyperplasia | Cystic, Minimal |
| | Mucosa | Pigmentation | Mild |
| Uterus | | Hyperplasia | Cystic, Moderate |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 429 | **TRT#:** 8 | **SEX:** Female | **DAY ON TEST:** 730 |
| | **DOSE:** .3% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47194 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Cortex | Adrenal Gland - Medulla | Bone | Bone Marrow |
| Brain | Esophagus | Gallbladder | Heart |
| Intestine Large - Cecum | Intestine Large - Colon | Intestine Large - Rectum | Intestine Small - Duodenum |
| Intestine Small - Ileum | Intestine Small - Jejunum | Islets, Pancreatic | Kidney |
| Liver | Lung | Lymph Node - Mandibular | Lymph Node - Mesenteric |
| Mammary Gland | Ovary | Pancreas | Parathyroid Gland |
| Skeletal Muscle | Spleen | Stomach - Forestomach | Stomach - Glandular |
| Thymus | Thyroid Gland | Tongue | Trachea |
| Urinary Bladder | | | |

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Nose | Mucosa | Atrophy | Moderate |
| | Mucosa | Degeneration | Moderate |
| | | Exudate | |
| | Glands | Hyperplasia | Cystic, Mild |
| | Mucosa | Pigmentation | Mild |
| Pituitary Gland | Pars Distalis | Hyperplasia | Minimal |
| Salivary Glands | | Hyperplasia | Lymphoid, Minimal |
| Skin | | Acanthosis | Minimal |
| | | Inflammation | Chronic, Minimal |
| Uterus | | Hyperplasia | Cystic, Marked |
| Note: [ HYPERPLASIA ] TGLs = 1-7 | | | |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 430 | **TRT#:** 8 | **SEX:** Female | **DAY ON TEST:** 730 |
| | **DOSE:** .3% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47195 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Cortex | Adrenal Gland - Medulla | Bone | Esophagus |
| Gallbladder | 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 | Mammary Gland |
| Mesentery | Ovary | Pancreas | Pituitary Gland |
| Salivary Glands | Skeletal Muscle | Skin | Spleen |
| Stomach - Forestomach | Stomach - Glandular | Thyroid Gland | Tongue |
| Trachea | Urinary Bladder | | |

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Bone Marrow | | Pigmentation | Hemosiderin, Moderate |
| Brain | Thalamus | Mineralization | Minimal |
| Kidney | | Hyperplasia | Lymphoid, Minimal |
| Lung | | Hyperplasia | Lymphoid, Mild |
| Lymph Node | Mesenteric | Ectasia | Marked |
| Note: [ ECTASIA ] TGLs = 3-21 | | | |
| Nose | Mucosa | Atrophy | Mild |
| | Mucosa | Degeneration | Mild |
| | Glands | Hyperplasia | Cystic, Mild |
| | Mucosa | Pigmentation | Mild |
| Parathyroid Gland | | Ectopic Thymus | |
| Thymus | | Cyst | |
| Uterus | | Hydrometra | Marked |
| | | Hyperplasia | Cystic, Moderate |
| Note: [ HYDROMETRA ] TGLs = 1-7 | | | |
| Note: [ HYPERPLASIA ] TGLs = 2-7 | | | |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 431 | **TRT#:** 8 | **SEX:** Female | **DAY ON TEST:** 730 |
| | **DOSE:** .3% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47196 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Cortex | Adrenal Gland - Medulla | Bone | Bone Marrow |
| Esophagus | Gallbladder | Heart | Intestine Large - Cecum |
| Intestine Large - Colon | Intestine Large - Rectum | Intestine Small - Duodenum | Intestine Small - Ileum |
| Intestine Small - Jejunum | Islets, Pancreatic | Kidney | Liver |
| Lymph Node - Mesenteric | Mammary Gland | Ovary | Pancreas |
| Parathyroid Gland | Pituitary Gland | Skeletal Muscle | Skin |
| Spleen | Stomach - Glandular | Thyroid Gland | Tongue |
| Trachea | Urinary Bladder | | |

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Brain | Thalamus | Mineralization | Moderate |
| Lung | | Lymphoma Malignant Lymphocytic | |
| Note: LYMPHOMA ALSO INVOLVES MEDIASTINAL FAT | | | |
| Lymph Node | Mandibular | Lymphoma Malignant Lymphocytic | |
| Nose | Mucosa | Atrophy | Moderate |
| | Mucosa | Degeneration | Moderate |
| | | Exudate | |
| | Glands | Hyperplasia | Cystic, Moderate |
| | Mucosa | Pigmentation | Mild |
| Salivary Glands | | Hyperplasia | Lymphoid, Mild |
| Stomach | Forestomach, Mucosa | Hyperplasia | Moderate |
| | Forestomach | Inflammation | Subacute, Mild |
| Note: [ HYPERPLASIA ] TGLs = 2-21 | | | |
| Thymus | | Lymphoma Malignant Lymphocytic | |
| Uterus | | Hyperplasia | Cystic, Moderate |
| Note: [ HYPERPLASIA ] TGLs = 1-7 | | | |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 432 | **TRT#:** 8 | **SEX:** Female | **DAY ON TEST:** 730 |
| | **DOSE:** .3% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47197 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Cortex | Adrenal Gland - Medulla | Bone | Esophagus |
| Gallbladder | Heart | Intestine Large - Cecum | Intestine Large - Colon |
| Intestine Large - Rectum | Intestine Small - Duodenum | Intestine Small - Ileum | Islets, Pancreatic |
| Lung | Lymph Node - Mandibular | Mammary Gland | Pancreas |
| Parathyroid Gland | Salivary Glands | Skeletal Muscle | Skin |
| Stomach - Forestomach | Stomach - Glandular | Thymus | Tongue |
| Trachea | Urinary Bladder | | |

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Bone Marrow | | Hemangiosarcoma | |
| Brain | Thalamus | Mineralization | Minimal |
| Intestine Small | Jejunum | Lymphoma Malignant Mixed | |
| Note: [ LYMPH MAL MIXD ] TGLs = 4-21 | | | |
| Kidney | | Casts Protein | Mild |
| | Renal Tubule | Regeneration | Mild |
| Liver | | Basophilic Focus | |
| | | Hepatocellular Carcinoma | |
| Note: [ HEPATOCLR CARC ] TGLs = 5-22 | | | |
| Lymph Node | Mesenteric | Lymphoma Malignant Mixed | |
| Note: [ LYMPH MAL MIXD ] TGLs = 3-5 | | | |
| Nose | Mucosa | Atrophy | Moderate |
| | Mucosa | Degeneration | Moderate |
| | | Exudate | |
| | Glands | Hyperplasia | Cystic, Mild |
| | Mucosa | Pigmentation | Mild |
| Ovary | | Cyst | |
| | | Pigmentation | Moderate |
| Pituitary Gland | Pars Distalis | Hyperplasia | Minimal |
| Spleen | | Hematopoietic Cell Proliferation | Moderate |
| | Lymph Follic | Hyperplasia | Mild |
| Note: [ HYPERPLASIA ] TGLs = 2-6 | | | |

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 432 | **TRT#:** 8 | **SEX:** Female | **DAY ON TEST:** 730 |
| | **DOSE:** .3% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47197 |

**ORGAN AND ACCOUNTABLE SITE STATUS**

| | | | |
|---|---|---|---|
| Note: [ HEMA CELL PROL ] TGLs = 2-6 | | | |
| Thyroid Gland | Follicular Cel | Hyperplasia | Minimal |
| Uterus | | Hyperplasia | Cystic, Moderate |
| Note: [ HYPERPLASIA ] TGLs = 1-7 | | | |
| PRIMARY CAUSE OF DEATH | - | | |

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 433 | **TRT#:** 8 | **SEX:** Female | **DAY ON TEST:** 456 |
| | **DOSE:** .3% | **DISP:** Scheduled Sacrifice | **HISTO:** 87-45149 |

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Medulla | Bone | Bone Marrow | Esophagus |
| Gallbladder | 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 |
| Mammary Gland | Ovary | Pancreas | Parathyroid Gland |
| Pituitary Gland | Salivary Glands | Skeletal Muscle | Skin |
| Spleen | Stomach - Forestomach | Stomach - Glandular | Thymus |
| Thyroid Gland | Tongue | Trachea | |

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Adrenal Gland | Cortex | Accessory Adrenal Cortical Nodule | |
| Brain | Thalamus | Mineralization | Mild |
| Kidney | | Casts Protein | Minimal |
| Lung | Bronchiole | Foreign Body | Mild |
| Nose | Mucosa | Atrophy | Moderate |
| | Glands | Cyst | |
| | Mucosa | Degeneration | Moderate |
| | | Exudate | |
| | Glands | Hyperplasia | Cystic, Marked |
| | Mucosa | Pigmentation | Mild |
| Note: PWG DIAGNOSED CYST AS INCLUSION CYST. | | | |
| Urinary Bladder | | Hyperplasia | Lymphoid, Mild |
| Uterus | | Hyperplasia | Cystic, Mild |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 434 | **TRT#:** 8 | **SEX:** Female | **DAY ON TEST:** 730 |
| | **DOSE:** .3% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47198 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Medulla | Bone | Bone Marrow | Esophagus |
| Gallbladder | 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 | Mammary Gland | Ovary | Pancreas |
| Parathyroid Gland | Skeletal Muscle | Skin | Spleen |
| Stomach - Forestomach | Stomach - Glandular | Thymus | Tongue |
| Trachea | Urinary Bladder | | |

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Adrenal Gland | Cortex | Accessory Adrenal Cortical Nodule | |
| Brain | Thalamus | Mineralization | Mild |
| Kidney | | Mineralization | Minimal |
| Nose | Mucosa | Atrophy | Moderate |
| | Mucosa | Degeneration | Moderate |
| | | Exudate | |
| | Glands | Hyperplasia | Cystic, Mild |
| | Mucosa | Pigmentation | Mild |
| Pituitary Gland | Pars Distalis | Hyperplasia | Minimal |
| Salivary Glands | | Hyperplasia | Lymphoid, Minimal |
| Thyroid Gland | | Degeneration | Cystic, Minimal |
| Uterus | | Hyperplasia | Cystic, Mild |

Note: [ HYPERPLASIA ] TGLs = 1-7

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 435 | **TRT#:** 8 | **SEX:** Female | **DAY ON TEST:** 730 |
| | **DOSE:** .3% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47199 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Cortex | Adrenal Gland - Medulla | Bone | Esophagus |
| Gallbladder | 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 | Mammary Gland | Pancreas | Parathyroid Gland |
| Salivary Glands | Skeletal Muscle | Skin | Spleen |
| Stomach - Forestomach | Thymus | Thyroid Gland | Tongue |
| Trachea | Urinary Bladder | | |

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Bone Marrow | | Myelofibrosis | Mild |
| Brain | Thalamus | Mineralization | Mild |
| Kidney | | Hyperplasia | Lymphoid, Minimal |
| Nose | Mucosa | Atrophy | Moderate |
| | Mucosa | Degeneration | Moderate |
| | | Exudate | |
| | Glands | Hyperplasia | Cystic, Mild |
| | Mucosa | Pigmentation | Mild |
| Ovary | | Cyst | |
| | | Hemorrhage | Mild |
| Pituitary Gland | Pars Distalis | Hyperplasia | Minimal |
| Stomach | Glandular | Cyst | |
| Uterus | | Hyperplasia | Cystic, Moderate |
| | | Polyp Stromal | |

Note: [ POLYP STROMAL ] TGLs = 1-7
Note: [ HYPERPLASIA ] TGLs = 2-7

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 436 | **TRT#:** 8 | **SEX:** Female | **DAY ON TEST:** 730 |
| | **DOSE:** .3% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47200 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Medulla | Bone | Esophagus | Gallbladder |
| Heart | Intestine Large - Cecum | Intestine Large - Colon | Intestine Large - Rectum |
| Intestine Small - Duodenum | Intestine Small - Ileum | Intestine Small - Jejunum | Islets, Pancreatic |
| Lung | Mammary Gland | Pituitary Gland | Salivary Glands |
| Skeletal Muscle | Skin | Stomach - Forestomach | Stomach - Glandular |
| Thyroid Gland | Tongue | Trachea | |

**MISSING**

Ovary

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Adrenal Gland | Capsule, Cortex | Hyperplasia | Moderate |
| Bone Marrow | | Hypercellularity | Mild |
| | | Myelofibrosis | Moderate |
| Brain | Thalamus | Mineralization | Mild |
| Kidney | Renal Tubule | Regeneration | Minimal |
| Liver | Kupffer Cell | Hyperplasia | Mild |
| Lymph Node | Mesenteric | Hemorrhage | Minimal |
| | Iliac | Lymphoma Malignant Mixed | |
| | Mandibular | Lymphoma Malignant Mixed | |
| | Mediastinal | Lymphoma Malignant Mixed | |
| | Mesenteric | Lymphoma Malignant Mixed | |
| | Renal | Lymphoma Malignant Mixed | |

Note: [ LYMPH MAL MIXD ] TGLs = 9-2
[ Hemorrhage TGLS = 1-8 ]
[ Lymphoma Malignant Mixed TGLS = 6-22 ]
[ Lymphoma Malignant Mixed TGLS = 7-23 ]
[ Lymphoma Malignant Mixed TGLS = 5-5 ]
[ Lymphoma Malignant Mixed TGLS = 5-5 ]

| | | | |
|---|---|---|---|
| Nose | Mucosa | Atrophy | Moderate |
| | Mucosa | Degeneration | Moderate |
| | | Exudate | |

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 436 | **TRT#:** 8 | **SEX:** Female | **DAY ON TEST:** 730 |
| | **DOSE:** .3% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47200 |

**ORGAN AND ACCOUNTABLE SITE STATUS**

| | | | |
|---|---|---|---|
| | Glands | Hyperplasia | Cystic, Mild |
| | Mucosa | Pigmentation | Mild |
| Pancreas | | Atrophy | Mild |
| | | Lymphoma Malignant Mixed | |
| Parathyroid Gland | | Ectopic Thymus | |
| Spleen | | Hematopoietic Cell Proliferation | Marked |
| | | Lymphoma Malignant Mixed | |
| Note: [ LYMPH MAL MIXD ] TGLs = 4-6 | | | |
| Note: [ HEMA CELL PROL ] TGLs = 4-6 | | | |
| Thymus | | Lymphoma Malignant Mixed | |
| Note: [ LYMPH MAL MIXD ] TGLs = 8-2 | | | |
| Urinary Bladder | | Lymphoma Malignant Mixed | |
| Uterus | | Hyperplasia | Cystic, Marked |
| Note: [ HYPERPLASIA ] TGLs = 3-7 | | | |
| PRIMARY CAUSE OF DEATH | - | | |

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 437 | **TRT#:** 8 | **SEX:** Female | **DAY ON TEST:** 730 |
| | **DOSE:** .3% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47201 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Cortex | Bone | Bone Marrow | Esophagus |
| Gallbladder | 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 |
| Mammary Gland | Ovary | Pancreas | Parathyroid Gland |
| Skeletal Muscle | Stomach - Forestomach | Stomach - Glandular | Thymus |
| Thyroid Gland | Tongue | Trachea | |

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Adrenal Gland | Medulla | Hyperplasia | Minimal |
| Brain | Thalamus | Mineralization | Moderate |
| Kidney | | Casts Protein | Minimal |
| Lymph Node | Mesenteric | Lymphoma Malignant Mixed | |
| | Pancreatic | Lymphoma Malignant Mixed | |
| Nose | Mucosa | Atrophy | Moderate |
| | Mucosa | Degeneration | Moderate |
| | | Exudate | |
| | Glands | Hyperplasia | Cystic, Mild |
| | Mucosa | Pigmentation | Minimal |
| Pituitary Gland | Pars Distalis | Hyperplasia | Mild |
| Salivary Glands | | Hyperplasia | Lymphoid, Minimal |
| Skin | | Basal Cell Adenoma | |
| Note: [ BASAL CEL ADEN ] TGLs = 1-21 | | | |
| Spleen | | Lymphoma Malignant Mixed | |
| Note: [ LYMPH MAL MIXD ] TGLs = 3-22 | | | |
| Note: LYMPH MAL MIXD ALSO ON SLIDE 6 | | | |
| Urinary Bladder | | Hyperplasia | Lymphoid, Mild |
| Uterus | | Hyperplasia | Cystic, Marked |
| Note: [ HYPERPLASIA ] TGLs = 2-7 | | | |

PRIMARY CAUSE OF DEATH -

Animal Note: ESOPHAGUS IS ON SLIDE 4

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 437 | **TRT#:** 8 | **SEX:** Female | **DAY ON TEST:** 730 |
| | **DOSE:** .3% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47201 |

**ORGAN AND ACCOUNTABLE SITE STATUS**

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 438 | **TRT#:** 8 | **SEX:** Female | **DAY ON TEST:** 730 |
| | **DOSE:** .3% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47202 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Cortex | Bone | Bone Marrow | Brain |
| Esophagus | Gallbladder | Heart | Intestine Large - Cecum |
| Intestine Large - Colon | Intestine Large - Rectum | Intestine Small - Duodenum | Intestine Small - Ileum |
| Intestine Small - Jejunum | Islets, Pancreatic | Lymph Node - Mandibular | Mammary Gland |
| Ovary | Pancreas | Parathyroid Gland | Pituitary Gland |
| Salivary Glands | Skeletal Muscle | Skin | Stomach - Forestomach |
| Stomach - Glandular | Tongue | Trachea | Urinary Bladder |

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Adrenal Gland | Medulla | Hyperplasia | Mild |
| Note: HYPERPLASTIC MEDULLA IS IN ADRENAL CAPSULE | | | |
| Blood Vessel | | Inflammation | Chronic Active, Mild |
| Note: INFLAMMATION IS ON SLIDES 5 AND 11 | | | |
| Kidney | | Hyperplasia | Lymphoid, Minimal |
| | Renal Tubule | Regeneration | Minimal |
| Liver | | Inflammation | Subacute, Mild |
| Lung | | Hyperplasia | Lymphoid, Minimal |
| Lymph Node | Mesenteric | Hyperplasia | Lymphoid, Moderate |
| Nose | Mucosa | Atrophy | Moderate |
| | Mucosa | Degeneration | Moderate |
| | | Exudate | |
| | Glands | Hyperplasia | Cystic, Mild |
| | Mucosa | Pigmentation | Minimal |
| Spleen | Lymph Follic | Hyperplasia | Mild |
| Thymus | | Hyperplasia | Lymphoid, Moderate |
| Thyroid Gland | Follicular Cel | Hyperplasia | Minimal |
| Uterus | | Hyperplasia | Cystic, Moderate |
| Note: [ HYPERPLASIA ] TGLs = 1-7 | | | |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 439 | **TRT#:** 8 | **SEX:** Female | **DAY ON TEST:** 730 |
| | **DOSE:** .3% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47203 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Cortex | Adrenal Gland - Medulla | Bone | Esophagus |
| Gallbladder | Heart | Intestine Large - Cecum | Intestine Large - Colon |
| Intestine Large - Rectum | Intestine Small - Duodenum | Intestine Small - Ileum | Intestine Small - Jejunum |
| Islets, Pancreatic | Lymph Node - Mandibular | Lymph Node - Mesenteric | Mammary Gland |
| Pancreas | Parathyroid Gland | Pituitary Gland | Salivary Glands |
| Skeletal Muscle | Skin | Stomach - Forestomach | Stomach - Glandular |
| Thymus | Thyroid Gland | Tongue | Trachea |
| Urinary Bladder | | | |

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Bone Marrow | | Hypercellularity | Moderate |
| Brain | Thalamus | Mineralization | Minimal |
| Kidney | | Hyperplasia | Lymphoid, Mild |
| Liver | | Hepatocellular Adenoma | Multiple, Two |
| | | Hepatocellular Carcinoma | |
| Note: [ HEPATOCLR CARC ] TGLs = 2-21 | | | |
| Note: [ HEPATOCLR ADEN ] TGLs = 3-22,4-23 | | | |
| Lung | | Hyperplasia | Lymphoid, Minimal |
| Nose | Mucosa | Atrophy | Moderate |
| | Mucosa | Degeneration | Moderate |
| | | Exudate | |
| | Glands | Hyperplasia | Cystic, Mild |
| | Mucosa | Pigmentation | Mild |
| Ovary | | Inflammation | Suppurative, Marked |
| Note: [ INFLAMMATION ] TGLs = 1-7 | | | |
| Spleen | | Hematopoietic Cell Proliferation | Mild |
| Uterus | | Hyperplasia | Cystic, Moderate |
| | | Inflammation | Suppurative, Minimal |
| | Epithelium | Metaplasia | Squamous, Mild |
| Note: [ HYPERPLASIA ] TGLs = 5-7 | | | |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 440 | **TRT#:** 8 | **SEX:** Female | **DAY ON TEST:** 590 |
| | **DOSE:** .3% | **DISP:** Moribund Sacrifice | **HISTO:** 88-45762 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Medulla | Bone | Bone Marrow | Esophagus |
| Gallbladder | 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 |
| Ovary | Parathyroid Gland | Pituitary Gland | Skin |
| Stomach - Forestomach | Stomach - Glandular | Thyroid Gland | Tongue |
| Trachea | Urinary Bladder | | |

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Adrenal Gland | Capsule, Cortex | Hyperplasia | Mild |
| Brain | Thalamus | Mineralization | Mild |
| Kidney | | Casts Protein | Mild |
| | | Hyperplasia | Lymphoid, Minimal |
| Liver | Kupffer Cell | Hyperplasia | Moderate |
| | Kupffer Cell | Pigmentation | Minimal |
| Mammary Gland | | Hyperplasia | Cystic, Minimal |
| Nose | Mucosa | Atrophy | Minimal |
| | Mucosa | Degeneration | Mild |
| | | Exudate | |
| | Glands | Hyperplasia | Cystic, Mild |
| | Mucosa | Pigmentation | Mild |
| Pancreas | | Cyst | |
| Note: [ CYST ] TGLs = 3-7 | | | |
| Salivary Glands | | Hyperplasia | Lymphoid, Mild |
| Skeletal Muscle | | Fibrosarcoma | |
| Note: [ FIBROSARC ] TGLs = 4-21 | | | |
| Spleen | | Hematopoietic Cell Proliferation | Mild |
| Note: [ HEMA CELL PROL ] TGLs = 2-6 | | | |
| Thymus | | Depletion Cellular | Moderate |
| Uterus | | Hyperplasia | Cystic, Mild |
| Note: [ HYPERPLASIA ] TGLs = 1-7 | | | |

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 440 | **TRT#:** 8 | **SEX:** Female | **DAY ON TEST:** 590 |
| | **DOSE:** .3% | **DISP:** Moribund Sacrifice | **HISTO:** 88-45762 |

**ORGAN AND ACCOUNTABLE SITE STATUS**

| | |
|---|---|
| PRIMARY CAUSE OF DEATH | - |

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 441 | **TRT#:** 8 | **SEX:** Female | **DAY ON TEST:** 552 |
| | **DOSE:** .3% | **DISP:** Natural Death | **HISTO:** 88-45678 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Medulla | Bone | Esophagus | Gallbladder |
| Heart | Intestine Large - Cecum | Intestine Large - Colon | Intestine Large - Rectum |
| Intestine Small - Duodenum | Intestine Small - Ileum | Intestine Small - Jejunum | Islets, Pancreatic |
| Lymph Node - Mandibular | Lymph Node - Mesenteric | Mammary Gland | Pancreas |
| Parathyroid Gland | Pituitary Gland | Salivary Glands | Skeletal Muscle |
| Skin | Spleen | Stomach - Forestomach | Stomach - Glandular |
| Thyroid Gland | Tongue | Trachea | Urinary Bladder |

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Adrenal Gland | Cortex | Accessory Adrenal Cortical Nodule | |
| Blood Vessel | | Inflammation | Chronic Active, Mild |
| Note: LESION PRESENT ON SLIDE 8 | | | |
| Bone Marrow | | Hypercellularity | Mild |
| Brain | Thalamus | Mineralization | Mild |
| Kidney | | Casts Protein | Minimal |
| | | Hyperplasia | Lymphoid, Minimal |
| Liver | Kupffer Cell | Hyperplasia | Mild |
| Lung | | Alveolar/Bronchiolar Adenoma | |
| | | Hemorrhage | Mild |
| Note: [ ALV BRON ADEN ] TGLs = 4-2-1 | | | |
| Nose | Mucosa | Atrophy | Moderate |
| | Mucosa | Degeneration | Moderate |
| | | Exudate | |
| | Glands | Hyperplasia | Cystic, Mild |
| | Mucosa | Pigmentation | Mild |
| Ovary | | Inflammation | Suppurative, Marked |
| Note: [ INFLAMMATION ] TGLs = 2-7 | | | |
| Thymus | | Depletion Cellular | Moderate |
| Uterus | | Hyperplasia | Cystic, Mild |
| | | Inflammation | Suppurative, Mild |
| Note: [ HYPERPLASIA ] TGLs = 1-7 | | | |

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 441 | **TRT#:** 8 | **SEX:** Female | **DAY ON TEST:** 552 |
| | **DOSE:** .3% | **DISP:** Natural Death | **HISTO:** 88-45678 |

**ORGAN AND ACCOUNTABLE SITE STATUS**

| | |
|---|---|
| PRIMARY CAUSE OF DEATH | - |

Animal Note: MAST CELL INFILTRATION IN MUSCULARIS OF TONGUE;
Animal Note: NOT CODED

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 442 | **TRT#:** 8 | **SEX:** Female | **DAY ON TEST:** 730 |
| | **DOSE:** .3% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47204 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Cortex | Adrenal Gland - Medulla | Bone | Bone Marrow |
| Esophagus | Gallbladder | 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 | Mammary Gland | Ovary | Parathyroid Gland |
| Pituitary Gland | Skeletal Muscle | Skin | Spleen |
| Stomach - Forestomach | Stomach - Glandular | Thymus | Thyroid Gland |
| Tongue | Trachea | | |

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Brain | Thalamus | Mineralization | Minimal |
| Kidney | | Casts Protein | Minimal |
| Lymph Node | Mesenteric | Hematopoietic Cell Proliferation | Mild |
| | Mesenteric | Hemorrhage | Moderate |
| Note: [ HEMORRHAGE ] TGLs = 2-5 | | | |
| [ Hemorrhage TGLS = 2-5 ] | | | |
| Nose | Mucosa | Atrophy | Moderate |
| | Mucosa | Degeneration | Moderate |
| | | Exudate | |
| | Glands | Hyperplasia | Cystic, Minimal |
| | Mucosa | Pigmentation | Minimal |
| Pancreas | | Hyperplasia | Lymphoid, Minimal |
| Salivary Glands | | Hyperplasia | Lymphoid, Minimal |
| Urinary Bladder | | Hyperplasia | Lymphoid, Minimal |
| Uterus | | Hyperplasia | Cystic, Moderate |
| | | Polyp Stromal | |
| Note: [ HYPERPLASIA ] TGLs = 1-7 | | | |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 443 | **TRT#:** 8 | **SEX:** Female | **DAY ON TEST:** 730 |
| | **DOSE:** .3% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47205 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Medulla | Bone | Brain | Esophagus |
| Gallbladder | Heart | Intestine Large - Cecum | Intestine Large - Colon |
| Intestine Large - Rectum | Intestine Small - Duodenum | Intestine Small - Ileum | Intestine Small - Jejunum |
| Islets, Pancreatic | Lung | Lymph Node - Mandibular | Lymph Node - Mesenteric |
| Mammary Gland | Pancreas | Parathyroid Gland | Salivary Glands |
| Skeletal Muscle | Skin | Stomach - Forestomach | Stomach - Glandular |
| Tongue | Trachea | | |

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Adrenal Gland | Cortex | Accessory Adrenal Cortical Nodule | |
| | Capsule, Cortex | Hyperplasia | Moderate |
| Bone Marrow | | Pigmentation | Hemosiderin, Moderate |
| Kidney | | Casts Protein | Mild |
| | | Hyperplasia | Lymphoid, Mild |
| Liver | | Hepatocellular Carcinoma | |
| | | Inflammation | Subacute, Minimal |
| Note: [ HEPATOCLR CARC ] TGLs = 3-21 | | | |
| Nose | Mucosa | Atrophy | Moderate |
| | Mucosa | Degeneration | Moderate |
| | | Exudate | |
| | Glands | Hyperplasia | Cystic, Mild |
| | Mucosa | Pigmentation | Minimal |
| Ovary | | Cyst | |
| Note: [ CYST ] TGLs = 2-7 | | | |
| Pituitary Gland | Pars Distalis | Hyperplasia | Minimal |
| Spleen | Lymph Follic | Hyperplasia | Mild |
| Thymus | | Hyperplasia | Lymphoid, Mild |
| Thyroid Gland | Follicular Cel | Hyperplasia | Minimal |
| Urinary Bladder | | Hyperplasia | Lymphoid, Minimal |
| Uterus | | Angiectasis | Moderate |
| | | Hyperplasia | Cystic, Marked |

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 443 | **TRT#:** 8 | **SEX:** Female | **DAY ON TEST:** 730 |
| | **DOSE:** .3% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47205 |

**ORGAN AND ACCOUNTABLE SITE STATUS**

Note: [ HYPERPLASIA ] TGLs = 1-7

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 444 | **TRT#:** 8 | **SEX:** Female | **DAY ON TEST:** 730 |
| | **DOSE:** .3% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47206 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Cortex | Adrenal Gland - Medulla | Bone | Brain |
| Esophagus | Gallbladder | Heart | Intestine Large - Cecum |
| Intestine Large - Colon | Intestine Large - Rectum | Intestine Small - Duodenum | Intestine Small - Ileum |
| Islets, Pancreatic | Kidney | Liver | Lymph Node - Mandibular |
| Lymph Node - Mesenteric | Mammary Gland | Pancreas | Parathyroid Gland |
| Salivary Glands | Skeletal Muscle | Skin | Stomach - Forestomach |
| Stomach - Glandular | Thyroid Gland | Tongue | Trachea |
| Urinary Bladder | | | |

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Blood Vessel | | Inflammation | Chronic Active, Minimal |
| Note: INFLAMMATION IS ON SLIDE 11 IN THE TONGUE | | | |
| Bone Marrow | | Myelofibrosis | Minimal |
| Intestine Small | Jejunum | Lymphoma Malignant Mixed | |
| Note: [ LYMPH MAL MIXD ] TGLs = 5-21 | | | |
| Lung | | Alveolar/Bronchiolar Adenoma | |
| | | Hyperplasia | Lymphoid, Minimal |
| Note: [ ALV BRON ADEN ] TGLs = 6-2 | | | |
| Nose | Mucosa | Atrophy | Moderate |
| | Mucosa | Degeneration | Moderate |
| | | Exudate | |
| | Glands | Hyperplasia | Cystic, Mild |
| | Mucosa | Pigmentation | Mild |
| Ovary | | Angiectasis | Mild |
| | | Cyst | |
| Note: [ CYST ] TGLs = 2-7,3-7 | | | |
| Pituitary Gland | Pars Distalis | Hyperplasia | Minimal |
| Spleen | | Hematopoietic Cell Proliferation | Mild |
| | | Lymphoma Malignant Mixed | |
| Note: [ HEMA CELL PROL ] TGLs = 4-6 | | | |
| Note: [ LYMPH MAL MIXD ] TGLs = 4-6 | | | |

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 444 | **TRT#:** 8 | **SEX:** Female | **DAY ON TEST:** 730 |
| | **DOSE:** .3% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47206 |

**ORGAN AND ACCOUNTABLE SITE STATUS**

| | | | |
|---|---|---|---|
| Thymus | | Cyst | |
| Uterus | Myometrium | Hyperplasia | Moderate |
| | | Hyperplasia | Cystic, Moderate |
| | Epithelium | Metaplasia | Squamous, Minimal |
| | | Polyp Stromal | |
| Note: [ HYPERPLASIA ] TGLs = 1-7 | | | |
| Note: [ HYPERPLASIA ] TGLs = 1-7 | | | |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 445 | **TRT#:** 8 | **SEX:** Female | **DAY ON TEST:** 456 |
| | **DOSE:** .3% | **DISP:** Scheduled Sacrifice | **HISTO:** 87-45150 |

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Cortex | Adrenal Gland - Medulla | Bone | Bone Marrow |
| Esophagus | Gallbladder | 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 | Mammary Gland | Pancreas | Parathyroid Gland |
| Pituitary Gland | Salivary Glands | Skeletal Muscle | Skin |
| Spleen | Stomach - Forestomach | Stomach - Glandular | Thymus |
| Thyroid Gland | Tongue | Trachea | Urinary Bladder |

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Brain | Thalamus | Mineralization | Mild |
| Kidney | | Casts Protein | Mild |
| Lung | | Alveolar/Bronchiolar Adenoma | |
| Note: ALV BRON ADEN TGLs = 2-2 | | | |
| Nose | Mucosa | Atrophy | Moderate |
| | Mucosa | Degeneration | Moderate |
| | Glands | Hyperplasia | Cystic, Mild |
| | Mucosa | Pigmentation | Mild |
| Ovary | | Cyst | |
| Note: CYST TGLs = 1-7 | | | |
| Uterus | | Hyperplasia | Cystic, Mild |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 446 | **TRT#:** 8 | **SEX:** Female | **DAY ON TEST:** 730 |
| | **DOSE:** .3% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47207 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Cortex | Adrenal Gland - Medulla | Bone | Esophagus |
| Gallbladder | Heart | Intestine Large - Cecum | Intestine Large - Colon |
| Intestine Large - Rectum | Intestine Small - Duodenum | Intestine Small - Ileum | Intestine Small - Jejunum |
| Islets, Pancreatic | Lung | Lymph Node - Mandibular | Lymph Node - Mesenteric |
| Mammary Gland | Pancreas | Parathyroid Gland | Pituitary Gland |
| Salivary Glands | Skeletal Muscle | Spleen | Stomach - Forestomach |
| Stomach - Glandular | Tongue | Trachea | |

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Bone Marrow | | Myelofibrosis | Mild |
| Brain | Thalamus | Mineralization | Moderate |
| Kidney | | Hyperplasia | Lymphoid, Minimal |
| Liver | | Hyperplasia | Lymphoid, Mild |
| Nose | Mucosa | Atrophy | Moderate |
| | Mucosa | Degeneration | Moderate |
| | | Exudate | |
| | Glands | Hyperplasia | Cystic, Mild |
| | Mucosa | Pigmentation | Mild |
| Ovary | | Cyst | |
| Skin | | Cyst Epithelial Inclusion | |
| Note: [ CYST EPITH INC ] TGLs = 2-21 | | | |
| Thymus | | Cyst | |
| Thyroid Gland | | Degeneration | Cystic, Mild |
| Urinary Bladder | | Hyperplasia | Lymphoid, Minimal |
| Uterus | | Hyperplasia | Cystic, Marked |
| | Epithelium | Metaplasia | Squamous, Mild |
| Note: [ HYPERPLASIA ] TGLs = 1-7 | | | |

| | |
|---|---|
| PRIMARY CAUSE OF DEATH | - |

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 447 | **TRT#:** 8 | **SEX:** Female | **DAY ON TEST:** 302 |
| | **DOSE:** .3% | **DISP:** Moribund Sacrifice | **HISTO:** 87-44657 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Medulla | Bone | Bone Marrow | Brain |
| Esophagus | Gallbladder | Intestine Large - Cecum | Intestine Large - Colon |
| Intestine Large - Rectum | Intestine Small - Duodenum | Intestine Small - Ileum | Intestine Small - Jejunum |
| Islets, Pancreatic | Kidney | Liver | Lymph Node - Mandibular |
| Lymph Node - Mesenteric | Mammary Gland | Ovary | Parathyroid Gland |
| Pituitary Gland | Salivary Glands | Skeletal Muscle | Skin |
| Spleen | Trachea | Urinary Bladder | |

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Adrenal Gland | Cortex | Accessory Adrenal Cortical Nodule | |
| Heart | | Lymphoma Malignant Lymphocytic | |
| Lung | | Lymphoma Malignant Lymphocytic | |
| Lymph Node | Renal | Lymphoma Malignant Lymphocytic | |
| [ Lymphoma Malignant Lymphocytic TGLS = 3-21 ] | | | |
| Nose | Mucosa | Atrophy | Minimal |
| | Mucosa | Degeneration | Minimal |
| | Glands | Hyperplasia | Cystic, Minimal |
| Pancreas | | Atrophy | Minimal |
| Stomach | Forestomach | Edema | Mild |
| | Glandular | Edema | Mild |
| | Forestomach | Inflammation | Subacute, Minimal |
| Thymus | | Lymphoma Malignant Lymphocytic | |
| Note: LYMPH MAL LYMP TGLs = 4-2 | | | |
| Thyroid Gland | | Degeneration | Cystic, Minimal |
| Tissue NOS | | Lymphoma Malignant Lymphocytic | |
| [ Lymphoma Malignant Lymphocytic TGLS = 1-63 ] | | | |
| Tongue | | Mineralization | Minimal |
| Uterus | | Hyperplasia | Cystic, Mild |
| Note: HYPERPLASIA TGLs = 2-7 | | | |

PRIMARY CAUSE OF DEATH -

Animal Note: TISSUE NOS IS THORACIC FLUID

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 447 | **TRT#:** 8 | **SEX:** Female | **DAY ON TEST:** 302 |
| | **DOSE:** .3% | **DISP:** Moribund Sacrifice | **HISTO:** 87-44657 |

**ORGAN AND ACCOUNTABLE SITE STATUS**

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 448 | **TRT#:** 8 | **SEX:** Female | **DAY ON TEST:** 730 |
| | **DOSE:** .3% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47208 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Cortex | Adrenal Gland - Medulla | Bone | Esophagus |
| Gallbladder | 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 | Pancreas | Parathyroid Gland |
| Pituitary Gland | Salivary Glands | Skeletal Muscle | Skin |
| Stomach - Forestomach | Stomach - Glandular | Thymus | Tongue |
| Trachea | Urinary Bladder | | |

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Bone Marrow | | Myelofibrosis | Minimal |
| Brain | Thalamus | Mineralization | Mild |
| Liver | | Hepatocellular Adenoma | |
| Note: [ HEPATOCLR ADEN ] TGLs = 2-21 | | | |
| Nose | Mucosa | Atrophy | Moderate |
| | Mucosa | Degeneration | Moderate |
| | | Exudate | |
| | Glands | Hyperplasia | Cystic, Mild |
| | Mucosa | Pigmentation | Minimal |
| Ovary | | Cyst | |
| Spleen | Red Pulp | Hyperplasia | Mild |
| Thyroid Gland | | Degeneration | Cystic, Minimal |
| Uterus | | Hyperplasia | Cystic, Moderate |
| | | Polyp Stromal | |
| Note: [ HYPERPLASIA ] TGLs = 1-7 | | | |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 449 | **TRT#:** 8 | **SEX:** Female | **DAY ON TEST:** 456 |
| | **DOSE:** .3% | **DISP:** Scheduled Sacrifice | **HISTO:** 87-45151 |

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Medulla | Bone | Bone Marrow | Esophagus |
| Gallbladder | 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 | Ovary | Pancreas | Parathyroid Gland |
| Pituitary Gland | Salivary Glands | Skeletal Muscle | Skin |
| Spleen | Stomach - Forestomach | Stomach - Glandular | Thymus |
| Thyroid Gland | Tongue | Trachea | |

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Adrenal Gland | Cortex | Accessory Adrenal Cortical Nodule | |
| Brain | Thalamus | Mineralization | Mild |
| Kidney | | Casts Protein | Minimal |
| | | Mineralization | Minimal |
| Liver | | Inflammation | Subacute, Minimal |
| Nose | Mucosa | Atrophy | Moderate |
| | Mucosa | Degeneration | Moderate |
| | Glands | Hyperplasia | Cystic, Minimal |
| | Mucosa | Pigmentation | Moderate |
| Urinary Bladder | | Hyperplasia | Lymphoid, Minimal |
| Uterus | | Hyperplasia | Cystic, Mild |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 450 | **TRT#:** 8 | **SEX:** Female | **DAY ON TEST:** 730 |
| | **DOSE:** .3% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47209 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Medulla | Bone | Bone Marrow | Esophagus |
| Gallbladder | 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 |
| Mammary Gland | Ovary | Pancreas | Parathyroid Gland |
| Skeletal Muscle | Skin | Spleen | Stomach - Forestomach |
| Stomach - Glandular | Tongue | Trachea | |

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Adrenal Gland | Cortex | Accessory Adrenal Cortical Nodule | |
| Brain | | Inflammation | Chronic, Minimal |
| | Thalamus | Mineralization | Minimal |
| Kidney | | Hyperplasia | Lymphoid, Moderate |
| | Renal Tubule | Regeneration | Minimal |
| Lung | | Alveolar/Bronchiolar Adenoma | |
| | | Hyperplasia | Lymphoid, Minimal |
| Note: [ ALV BRON ADEN ] TGLs = 2-2-1 | | | |
| Nose | Mucosa | Atrophy | Moderate |
| | Mucosa | Degeneration | Moderate |
| | | Exudate | |
| | Glands | Hyperplasia | Cystic, Mild |
| | Mucosa | Pigmentation | Minimal |
| Pituitary Gland | Pars Distalis | Hyperplasia | Mild |
| Salivary Glands | | Hyperplasia | Lymphoid, Minimal |
| Thymus | | Angiectasis | Mild |
| Thyroid Gland | Follicle | Cyst | |
| | | Degeneration | Cystic, Minimal |
| | Follicular Cel | Hyperplasia | Mild |
| Urinary Bladder | | Hyperplasia | Lymphoid, Moderate |
| Uterus | | Hyperplasia | Cystic, Moderate |
| Note: [ HYPERPLASIA ] TGLs = 1-7 | | | |

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 450 | **TRT#:** 8 | **SEX:** Female | **DAY ON TEST:** 730 |
| | **DOSE:** .3% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47209 |

**ORGAN AND ACCOUNTABLE SITE STATUS**

| | |
|---|---|
| PRIMARY CAUSE OF DEATH | - |

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 451 | **TRT#:** 8 | **SEX:** Female | **DAY ON TEST:** 730 |
| | **DOSE:** .3% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47210 |

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Medulla | Bone | Bone Marrow | Esophagus |
| Gallbladder | Heart | Intestine Large - Cecum | Intestine Large - Colon |
| Intestine Large - Rectum | Intestine Small - Duodenum | Intestine Small - Ileum | Intestine Small - Jejunum |
| Islets, Pancreatic | Lung | Lymph Node - Mandibular | Lymph Node - Mesenteric |
| Mammary Gland | Pancreas | Parathyroid Gland | Skeletal Muscle |
| Skin | Spleen | Stomach - Forestomach | Stomach - Glandular |
| Tongue | Trachea | Urinary Bladder | |

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Adrenal Gland | Cortex | Accessory Adrenal Cortical Nodule | |
| Brain | Thalamus | Mineralization | Moderate |
| Kidney | | Casts Protein | Minimal |
| | | Hyperplasia | Lymphoid, Minimal |
| | | Mineralization | Minimal |
| Liver | | Inflammation | Subacute, Minimal |
| | | Mixed Cell Focus | |
| | Lobules | Necrosis | Minimal |
| Nose | Mucosa | Atrophy | Moderate |
| | Mucosa | Degeneration | Moderate |
| | Glands | Hyperplasia | Cystic, Mild |
| | Mucosa | Pigmentation | Mild |
| Ovary | Interstit Cell | Hyperplasia | Mild |
| Pituitary Gland | Pars Distalis | Hyperplasia | Mild |
| Salivary Glands | | Hyperplasia | Lymphoid, Minimal |
| Thymus | | Cyst | |
| Thyroid Gland | Follicle | Cyst | |
| | | Ectopic Thymus | |
| Uterus | | Hyperplasia | Cystic, Moderate |
| Note: [ HYPERPLASIA ] TGLs = 1-7 | | | |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 452 | **TRT#:** 8 | **SEX:** Female | **DAY ON TEST:** 456 |
| | **DOSE:** .3% | **DISP:** Scheduled Sacrifice | **HISTO:** 87-45152 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Cortex | Adrenal Gland - Medulla | Bone | Bone Marrow |
| Esophagus | Gallbladder | Heart | Intestine Large - Cecum |
| Intestine Large - Colon | Intestine Large - Rectum | Intestine Small - Duodenum | Intestine Small - Ileum |
| Intestine Small - Jejunum | Islets, Pancreatic | Kidney | Liver |
| Lung | Lymph Node - Mandibular | Lymph Node - Mesenteric | Mammary Gland |
| Ovary | Pancreas | Pituitary Gland | Salivary Glands |
| Skeletal Muscle | Skin | Spleen | Stomach - Forestomach |
| Stomach - Glandular | Tongue | Trachea | Urinary Bladder |

**MISSING**

Parathyroid Gland

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Brain | Thalamus | Mineralization | Minimal |
| Mesentery | Capillary, Fat | Congestion | Moderate |
| Note: CONGESTION TGLs = 2-21 | | | |
| Nose | Mucosa | Atrophy | Moderate |
| | Mucosa | Degeneration | Moderate |
| | Glands | Hyperplasia | Cystic, Mild |
| | Mucosa | Pigmentation | Mild |
| Thymus | | Cyst | |
| Thyroid Gland | | Degeneration | Cystic, Mild |
| Uterus | | Hyperplasia | Cystic, Mild |
| Note: HYPERPLASIA TGLs = 1-7 | | | |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 453 | **TRT#:** 8 | **SEX:** Female | **DAY ON TEST:** 730 |
| | **DOSE:** .3% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47211 |

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Cortex | Adrenal Gland - Medulla | Bone | Bone Marrow |
| Esophagus | Gallbladder | 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 | Ovary |
| Pancreas | Parathyroid Gland | Pituitary Gland | Skeletal Muscle |
| Skin | Spleen | Stomach - Forestomach | Stomach - Glandular |
| Thymus | Tongue | Trachea | Urinary Bladder |

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Brain | Thalamus | Mineralization | Minimal |
| Liver | | Basophilic Focus | |
| | | Inflammation | Subacute, Minimal |
| Note: [ BASOPH FOCUS ] TGLs = 2-21 | | | |
| Nose | Mucosa | Atrophy | Moderate |
| | Mucosa | Degeneration | Moderate |
| | | Exudate | |
| | Glands | Hyperplasia | Cystic, Mild |
| | Mucosa | Pigmentation | Mild |
| Salivary Glands | | Hyperplasia | Lymphoid, Mild |
| Thyroid Gland | | Degeneration | Cystic, Minimal |
| Uterus | | Hyperplasia | Cystic, Moderate |
| Note: [ HYPERPLASIA ] TGLs = 1-7 | | | |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 454 | **TRT#:** 8 | **SEX:** Female | **DAY ON TEST:** 730 |
| | **DOSE:** .3% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47212 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Cortex | Adrenal Gland - Medulla | Bone | Esophagus |
| Gallbladder | Heart | Intestine Large - Cecum | Intestine Large - Colon |
| Intestine Large - Rectum | Intestine Small - Duodenum | Intestine Small - Ileum | Intestine Small - Jejunum |
| Islets, Pancreatic | Lymph Node - Mandibular | Mammary Gland | Ovary |
| Pancreas | Parathyroid Gland | Pituitary Gland | Salivary Glands |
| Skeletal Muscle | Skin | Spleen | Stomach - Forestomach |
| Stomach - Glandular | Thyroid Gland | Tongue | Trachea |
| Urinary Bladder | | | |

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Bone Marrow | | Myelofibrosis | Minimal |
| Brain | Thalamus | Mineralization | Minimal |
| Kidney | | Casts Protein | Minimal |
| Liver | | Hepatocellular Adenoma | |
| Note: [ HEPATOCLR ADEN ] TGLs = 5-21 | | | |
| Lung | | Alveolar/Bronchiolar Adenoma | |
| | | Infiltration Cellular | Histiocyte, Minimal |
| Note: [ ALV BRON ADEN ] TGLs = 4-2 | | | |
| Lymph Node | Mesenteric | Hemorrhage | Minimal |
| Note: [ HEMORRHAGE ] TGLs = 3-5 | | | |
| Nose | Mucosa | Atrophy | Moderate |
| | Mucosa | Degeneration | Moderate |
| | | Exudate | |
| | Glands | Hyperplasia | Cystic, Minimal |
| | Mucosa | Pigmentation | Minimal |
| Thymus | | Cyst | |
| Uterus | | Hydrometra | Moderate |
| | | Hyperplasia | Cystic, Moderate |
| | | Inflammation | Suppurative, Minimal |
| Note: [ HYPERPLASIA ] TGLs = 1-7 | | | |
| Note: [ HYDROMETRA ] TGLs = 2-7 | | | |

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 454 | **TRT#:** 8 | **SEX:** Female | **DAY ON TEST:** 730 |
| | **DOSE:** .3% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47212 |

**ORGAN AND ACCOUNTABLE SITE STATUS**

| | |
|---|---|
| PRIMARY CAUSE OF DEATH | - |

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 455 | **TRT#:** 8 | **SEX:** Female | **DAY ON TEST:** 730 |
| | **DOSE:** .3% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47213 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Cortex | Adrenal Gland - Medulla | Bone | Bone Marrow |
| Esophagus | Gallbladder | Heart | Intestine Large - Cecum |
| Intestine Large - Colon | Intestine Large - Rectum | Intestine Small - Duodenum | Intestine Small - Ileum |
| Intestine Small - Jejunum | Islets, Pancreatic | Kidney | Liver |
| Lung | Lymph Node - Mandibular | Mammary Gland | Ovary |
| Pancreas | Parathyroid Gland | Salivary Glands | Skeletal Muscle |
| Skin | Spleen | Stomach - Forestomach | Stomach - Glandular |
| Tongue | Trachea | | |

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Brain | Thalamus | Mineralization | Moderate |
| Lymph Node | Mesenteric | Hemorrhage | Minimal |
| Nose | Mucosa | Atrophy | Moderate |
| | Mucosa | Degeneration | Moderate |
| | | Exudate | |
| | Glands | Hyperplasia | Cystic, Mild |
| | Mucosa | Pigmentation | Mild |
| Pituitary Gland | Pars Distalis | Hyperplasia | Minimal |
| Thymus | | Cyst | |
| Thyroid Gland | Follicular Cel | Hyperplasia | Minimal |
| Urinary Bladder | | Hyperplasia | Lymphoid, Mild |
| Uterus | | Hyperplasia | Cystic, Moderate |

Note: [ HYPERPLASIA ] TGLs = 1-7

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 456 | **TRT#:** 8 | **SEX:** Female | **DAY ON TEST:** 456 |
| | **DOSE:** .3% | **DISP:** Scheduled Sacrifice | **HISTO:** 87-45153 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Medulla | Bone | Bone Marrow | Esophagus |
| Gallbladder | 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 | Mammary Gland | Pancreas | Parathyroid Gland |
| Pituitary Gland | Salivary Glands | Skeletal Muscle | Skin |
| Stomach - Forestomach | Stomach - Glandular | Thyroid Gland | Tongue |
| Trachea | Urinary Bladder | | |

**MISSING**

| | |
|---|---|
| Spleen | Thymus |

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Adrenal Gland | Cortex | Accessory Adrenal Cortical Nodule | |
| Brain | Thalamus | Mineralization | Mild |
| Kidney | | Hyperplasia | Lymphoid, Minimal |
| Nose | Mucosa | Atrophy | Moderate |
| | Mucosa | Degeneration | Moderate |
| | Glands | Hyperplasia | Cystic, Mild |
| | Mucosa | Pigmentation | Mild |
| Ovary | | Cyst | |
| Uterus | | Hyperplasia | Cystic, Mild |
| Note: HYPERPLASIA TGLs = 1-7 | | | |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 457 | **TRT#:** 8 | **SEX:** Female | **DAY ON TEST:** 730 |
| | **DOSE:** .3% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47214 |

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Cortex | Adrenal Gland - Medulla | Bone | Bone Marrow |
| Brain | Esophagus | Gallbladder | 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 | Mammary Gland | Ovary | Pancreas |
| Parathyroid Gland | Pituitary Gland | Salivary Glands | Skeletal Muscle |
| Skin | Spleen | Stomach - Forestomach | Stomach - Glandular |
| Thymus | Tongue | Trachea | Urinary Bladder |

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Kidney | Renal Tubule | Regeneration | Minimal |
| Liver | | Inflammation | Subacute, Minimal |
| | Lobules | Necrosis | Minimal |
| Lymph Node | Mesenteric | Hemorrhage | Mild |
| Nose | Mucosa | Atrophy | Moderate |
| | Mucosa | Degeneration | Moderate |
| | | Exudate | |
| | Glands | Hyperplasia | Cystic, Mild |
| | Mucosa | Pigmentation | Minimal |
| Thyroid Gland | Follicle | Cyst | |
| | Follicular Cel | Hyperplasia | Mild |
| Uterus | | Hyperplasia | Cystic, Moderate |
| Note: [ HYPERPLASIA ] TGLs = 1-7 | | | |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 458 | **TRT#:** 8 | **SEX:** Female | **DAY ON TEST:** 730 |
| | **DOSE:** .3% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47215 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Cortex | Adrenal Gland - Medulla | Bone | Brain |
| Esophagus | Gallbladder | Heart | Intestine Large - Cecum |
| Intestine Large - Colon | Intestine Large - Rectum | Intestine Small - Duodenum | Intestine Small - Jejunum |
| Islets, Pancreatic | Lymph Node - Mandibular | Lymph Node - Mesenteric | Mammary Gland |
| Ovary | Pancreas | Parathyroid Gland | Skeletal Muscle |
| Skin | Stomach - Glandular | Thymus | Tongue |
| Trachea | | | |

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Blood Vessel | | Inflammation | Chronic Active, Mild |
| Note: INFLAMMATION IS ON SLIDE 5 AND INVOLVES AORTA | | | |
| Bone Marrow | | Hypercellularity | Mild |
| | | Myelofibrosis | Mild |
| Intestine Small | Ileum | Hyperplasia | Lymphoid, Mild |
| Kidney | | Casts Protein | Minimal |
| | | Hyperplasia | Lymphoid, Moderate |
| | Renal Tubule | Regeneration | Mild |
| Liver | | Hepatocellular Carcinoma | |
| | Lobules | Necrosis | Moderate |
| Note: [ HEPATOCLR CARC ] TGLs = 3-21 | | | |
| Note: [ NECROSIS ] TGLs = 4-22 | | | |
| Lung | | Hyperplasia | Lymphoid, Mild |
| Nose | Mucosa | Atrophy | Moderate |
| | Mucosa | Degeneration | Moderate |
| | | Exudate | |
| | Glands | Hyperplasia | Cystic, Mild |
| | Mucosa | Pigmentation | Minimal |
| Pituitary Gland | Pars Distalis | Hyperplasia | Minimal |
| Salivary Glands | | Hyperplasia | Lymphoid, Minimal |
| Spleen | | Hematopoietic Cell Proliferation | Moderate |
| Note: [ HEMA CELL PROL ] TGLs = 2-6 | | | |

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 458 | **TRT#:** 8 | **SEX:** Female | **DAY ON TEST:** 730 |
| | **DOSE:** .3% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47215 |

**ORGAN AND ACCOUNTABLE SITE STATUS**

| | | | |
|---|---|---|---|
| Stomach | Forestomach, Mucosa | Hyperplasia | Mild |
| Note: [ HYPERPLASIA ] TGLs = 5-23 | | | |
| Thyroid Gland | Follicular Cel | Hyperplasia | Minimal |
| Urinary Bladder | | Hyperplasia | Lymphoid, Moderate |
| Uterus | | Granuloma | Moderate |
| | | Hyperplasia | Cystic, Moderate |
| Note: [ HYPERPLASIA ] TGLs = 1-7 | | | |
| Note: GRANULOMA INVOLVES SEROSA & MYOMETRIUM AT CERVIX | | | |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 459 | **TRT#:** 8 | **SEX:** Female | **DAY ON TEST:** 730 |
| | **DOSE:** .3% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47216 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Cortex | Adrenal Gland - Medulla | Bone | Bone Marrow |
| Esophagus | Gallbladder | Heart | Intestine Large - Cecum |
| Intestine Large - Colon | Intestine Large - Rectum | Intestine Small - Duodenum | Intestine Small - Ileum |
| Intestine Small - Jejunum | Islets, Pancreatic | Kidney | Lymph Node - Mandibular |
| Lymph Node - Mesenteric | Mammary Gland | Ovary | Parathyroid Gland |
| Skeletal Muscle | Skin | Stomach - Forestomach | Stomach - Glandular |
| Thymus | Tongue | Trachea | |

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Brain | Thalamus | Mineralization | Moderate |
| Liver | | Hepatocellular Adenoma | |
| Note: [ HEPATOCLR ADEN ] TGLs = 2-21 | | | |
| Lung | | Hyperplasia | Lymphoid, Minimal |
| Nose | Mucosa | Atrophy | Moderate |
| | Mucosa | Degeneration | Moderate |
| | | Exudate | |
| | Glands | Hyperplasia | Cystic, Minimal |
| | Mucosa | Pigmentation | Minimal |
| Pancreas | | Hyperplasia | Lymphoid, Mild |
| Pituitary Gland | Pars Intermed | Adenoma | |
| Salivary Glands | | Hyperplasia | Lymphoid, Minimal |
| Spleen | | Hematopoietic Cell Proliferation | Mild |
| Thyroid Gland | Follicular Cel | Hyperplasia | Minimal |
| Urinary Bladder | | Hyperplasia | Lymphoid, Minimal |
| Uterus | | Hyperplasia | Cystic, Moderate |
| | | Necrosis | Moderate |
| Note: [ NECROSIS ] TGLs = 1-7 | | | |
| Note: [ HYPERPLASIA ] TGLs = 3-7 | | | |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 460 | **TRT#:** 8 | **SEX:** Female | **DAY ON TEST:** 574 |
| | **DOSE:** .3% | **DISP:** Natural Death | **HISTO:** 88-45727 |

## ORGAN AND ACCOUNTABLE SITE STATUS

| | | | |
|---|---|---|---|
| **NORMAL** | | | |
| Adrenal Gland - Cortex | Adrenal Gland - Medulla | Bone | Bone Marrow |
| Esophagus | Gallbladder | Heart | Intestine Large - Colon |
| Intestine Large - Rectum | Islets, Pancreatic | Kidney | Mammary Gland |
| Ovary | Pancreas | Salivary Glands | Skeletal Muscle |
| Skin | Stomach - Forestomach | Stomach - Glandular | Thyroid Gland |
| Tongue | Trachea | Urinary Bladder | |
| **MISSING** | | | |
| Lymph Node - Mandibular | Parathyroid Gland | Pituitary Gland | |
| **AUTO PRECLUDES DIAG.** | | | |
| Intestine Large - Cecum | Intestine Small - Duodenum | Intestine Small - Ileum | Intestine Small - Jejunum |
| Lymph Node - Mesenteric | | | |
| **OBSERVATIONS** | | | |
| Brain | | Histiocytic Sarcoma | Metastatic (Liver) |
| Liver | | Histiocytic Sarcoma | |
| Note: [ HISTIO SARC ] TGLs = 1-6,2-6 | | | |
| Lung | | Hemorrhage | Moderate |
| | | Histiocytic Sarcoma | Metastatic (Liver) |
| Nose | Mucosa | Atrophy | Mild |
| | Mucosa | Degeneration | Mild |
| | Glands | Hyperplasia | Cystic, Mild |
| Spleen | | Hematopoietic Cell Proliferation | Moderate |
| Thymus | | Histiocytic Sarcoma | Metastatic (Liver) |
| Uterus | | Hyperplasia | Cystic, Minimal |
| PRIMARY CAUSE OF DEATH | - | | |

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 461 | **TRT#:** 8 | **SEX:** Female | **DAY ON TEST:** 730 |
| | **DOSE:** .3% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47217 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Cortex | Adrenal Gland - Medulla | Bone | Esophagus |
| Gallbladder | Heart | Intestine Large - Cecum | Intestine Large - Colon |
| Intestine Large - Rectum | Intestine Small - Duodenum | Intestine Small - Ileum | Islets, Pancreatic |
| Liver | Lymph Node - Mandibular | Lymph Node - Mesenteric | Mammary Gland |
| Pancreas | Parathyroid Gland | Pituitary Gland | Salivary Glands |
| Skeletal Muscle | Skin | Stomach - Forestomach | Stomach - Glandular |
| Tongue | Trachea | Urinary Bladder | |

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Bone Marrow | | Myelofibrosis | Mild |
| Brain | Thalamus | Mineralization | Moderate |
| Intestine Small | Jejunum | Lymphoma Malignant Mixed | |
| Note: [ LYMPH MAL MIXD ] TGLs = 2-21 | | | |
| Kidney | | Casts Protein | Minimal |
| Lung | | Hyperplasia | Lymphoid, Minimal |
| Nose | Mucosa | Atrophy | Moderate |
| | Mucosa | Degeneration | Moderate |
| | Glands | Hyperplasia | Cystic, Mild |
| | Mucosa | Pigmentation | Mild |
| Ovary | | Cyst | |
| Spleen | Lymph Follic | Hyperplasia | Mild |
| Thymus | | Cyst | |
| Thyroid Gland | Follicular Cel | Hyperplasia | Minimal |
| Uterus | | Hyperplasia | Cystic, Mild |
| Note: [ HYPERPLASIA ] TGLs = 1-7 | | | |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 462 | **TRT#:** 8 | **SEX:** Female | **DAY ON TEST:** 457 |
| | **DOSE:** .3% | **DISP:** Scheduled Sacrifice | **HISTO:** 87-45154 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Medulla | Bone | Bone Marrow | Esophagus |
| Gallbladder | Heart | Intestine Large - Cecum | Intestine Large - Colon |
| Intestine Large - Rectum | Intestine Small - Duodenum | Intestine Small - Ileum | Intestine Small - Jejunum |
| Islets, Pancreatic | Lung | Lymph Node - Mandibular | Lymph Node - Mesenteric |
| Mammary Gland | Pancreas | Parathyroid Gland | Pituitary Gland |
| Salivary Glands | Skeletal Muscle | Skin | Spleen |
| Stomach - Forestomach | Stomach - Glandular | Thymus | Thyroid Gland |
| Tongue | Trachea | Urinary Bladder | |

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Adrenal Gland | Cortex | Developmental Malformation | |
| Note: DEVELOP MALFORMATION IS FOCUS OF MEDULLARY CELLS | | | |
| Note: BENEATH CAPSULE | | | |
| Brain | Thalamus | Mineralization | Mild |
| Kidney | | Casts Protein | Minimal |
| | | Hyperplasia | Lymphoid, Minimal |
| Liver | | Inflammation | Subacute, Mild |
| Nose | Mucosa | Atrophy | Moderate |
| | Mucosa | Degeneration | Moderate |
| | Glands | Hyperplasia | Cystic, Mild |
| | Mucosa | Pigmentation | Minimal |
| Ovary | | Angiectasis | Mild |
| Uterus | | Hyperplasia | Cystic, Mild |
| Note: HYPERPLASIA TGLs = 1-7 | | | |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 463 | **TRT#:** 8 | **SEX:** Female | **DAY ON TEST:** 730 |
| | **DOSE:** .3% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47218 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Cortex | Adrenal Gland - Medulla | Bone | Esophagus |
| Gallbladder | Heart | Intestine Large - Cecum | Intestine Large - Colon |
| Intestine Large - Rectum | Intestine Small - Duodenum | Intestine Small - Ileum | Islets, Pancreatic |
| Lymph Node - Mandibular | Lymph Node - Mesenteric | Mammary Gland | Pancreas |
| Parathyroid Gland | Skeletal Muscle | Skin | Stomach - Forestomach |
| Stomach - Glandular | Thymus | Tongue | Trachea |

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Bone Marrow | | Myelofibrosis | Mild |
| Brain | Thalamus | Mineralization | Mild |
| Intestine Small | Jejunum | Lymphoma Malignant Mixed | |
| Note: [ LYMPH MAL MIXD ] TGLs = 6-22 | | | |
| Kidney | | Casts Protein | Minimal |
| | | Hyperplasia | Lymphoid, Minimal |
| | Renal Tubule | Regeneration | Minimal |
| Liver | | Hepatocellular Carcinoma | |
| Note: [ HEPATOCLR CARC ] TGLs = 5-21 | | | |
| Lung | | Hyperplasia | Lymphoid, Moderate |
| Note: SOME LYMPHOID HYPERPLASIA INVOVLES MEDIASTINUM | | | |
| Nose | Mucosa | Atrophy | Moderate |
| | Mucosa | Degeneration | Moderate |
| | | Exudate | |
| | Glands | Hyperplasia | Cystic, Minimal |
| | Mucosa | Pigmentation | Mild |
| Ovary | | Cyst | |
| Note: [ CYST ] TGLs = 3-7 | | | |
| Pituitary Gland | Pars Distalis | Adenoma | |
| Salivary Glands | | Hyperplasia | Lymphoid, Mild |
| Spleen | | Hematopoietic Cell Proliferation | Mild |
| Note: [ HEMA CELL PROL ] TGLs = 4-6 | | | |
| Thyroid Gland | Follicular Cel | Hyperplasia | Mild |

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 463 | **TRT#:** 8 | **SEX:** Female | **DAY ON TEST:** 730 |
| | **DOSE:** .3% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47218 |

**ORGAN AND ACCOUNTABLE SITE STATUS**

| | | |
|---|---|---|
| Urinary Bladder | Hyperplasia | Lymphoid, Moderate |
| Uterus | Angiectasis | Mild |
| | Hyperplasia | Cystic, Marked |

Note: [ HYPERPLASIA ] TGLs = 1-7,2-7

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 464 | **TRT#:** 8 | **SEX:** Female | **DAY ON TEST:** 730 |
| | **DOSE:** .3% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47219 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Medulla | Bone | Bone Marrow | Esophagus |
| Gallbladder | Heart | Intestine Large - Cecum | Intestine Large - Colon |
| Intestine Large - Rectum | Intestine Small - Duodenum | Intestine Small - Ileum | Islets, Pancreatic |
| Lung | Lymph Node - Mandibular | Mammary Gland | Ovary |
| Pancreas | Parathyroid Gland | Pituitary Gland | Salivary Glands |
| Skeletal Muscle | Skin | Spleen | Stomach - Forestomach |
| Stomach - Glandular | Thyroid Gland | Tongue | Trachea |
| Urinary Bladder | | | |

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Adrenal Gland | Capsule, Cortex | Hyperplasia | Mild |
| Brain | Thalamus | Mineralization | Mild |
| Intestine Small | Jejunum | Hyperplasia | Lymphoid, Marked |
| Note: [ HYPERPLASIA ] TGLs = 3-22 | | | |
| Kidney | | Casts Protein | Minimal |
| | Renal Tubule | Regeneration | Minimal |
| Liver | | Basophilic Focus | |
| Note: [ BASOPH FOCUS ] TGLs = 2-21 | | | |
| Lymph Node | Mesenteric | Hyperplasia | Lymphoid, Mild |
| Nose | Mucosa | Atrophy | Moderate |
| | Mucosa | Degeneration | Moderate |
| | Glands | Hyperplasia | Cystic, Minimal |
| | Mucosa | Pigmentation | Mild |
| Thymus | | Cyst | |
| Uterus | | Hyperplasia | Cystic, Mild |
| Note: [ HYPERPLASIA ] TGLs = 1-7 | | | |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 465 | **TRT#:** 8 | **SEX:** Female | **DAY ON TEST:** 730 |
| | **DOSE:** .3% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47220 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Medulla | Bone | Bone Marrow | Esophagus |
| Gallbladder | 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 |
| Mammary Gland | Ovary | Parathyroid Gland | Salivary Glands |
| Skeletal Muscle | Skin | Spleen | Stomach - Glandular |
| Thymus | Thyroid Gland | Tongue | Trachea |
| Urinary Bladder | | | |

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Adrenal Gland | Cortex | Accessory Adrenal Cortical Nodule | |
| Brain | Thalamus | Mineralization | Mild |
| Kidney | | Casts Protein | Minimal |
| Lung | | Hemorrhage | Minimal |
| Nose | Mucosa | Atrophy | Moderate |
| | Mucosa | Degeneration | Moderate |
| | | Exudate | |
| | Glands | Hyperplasia | Cystic, Minimal |
| | Mucosa | Pigmentation | Minimal |
| Pancreas | | Hyperplasia | Lymphoid, Minimal |
| Pituitary Gland | Pars Distalis | Hyperplasia | Minimal |
| Stomach | Forestomach, Mucosa | Hyperplasia | Mild |
| Note: [ HYPERPLASIA ] TGLs = 2-4-1 | | | |
| Uterus | | Hyperplasia | Cystic, Moderate |
| Note: [ HYPERPLASIA ] TGLs = 1-7 | | | |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 466 | **TRT#:** 8 | **SEX:** Female | **DAY ON TEST:** 730 |
| | **DOSE:** .3% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47221 |

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Cortex | Adrenal Gland - Medulla | Bone | Brain |
| Esophagus | Gallbladder | 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 | Mammary Gland | Pancreas |
| Parathyroid Gland | Pituitary Gland | Salivary Glands | Skeletal Muscle |
| Skin | Spleen | Stomach - Glandular | Thymus |
| Thyroid Gland | Tongue | Trachea | Urinary Bladder |

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Bone Marrow | | Myelofibrosis | Minimal |
| Kidney | | Casts Protein | Minimal |
| Nose | Mucosa | Atrophy | Moderate |
| | Mucosa | Degeneration | Moderate |
| | | Exudate | |
| | Glands | Hyperplasia | Cystic, Mild |
| | Mucosa | Pigmentation | Minimal |
| Ovary | | Angiectasis | Mild |
| Stomach | Forestomach | Diverticulum | Mild |
| Uterus | | Hyperplasia | Cystic, Moderate |
| Note: [ HYPERPLASIA ] TGLs = 1-7 | | | |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 467 | **TRT#:** 8 | **SEX:** Female | **DAY ON TEST:** 730 |
| | **DOSE:** .3% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47222 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Cortex | Adrenal Gland - Medulla | Bone | Bone Marrow |
| Brain | Esophagus | Gallbladder | 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 | Ovary |
| Pancreas | Parathyroid Gland | Pituitary Gland | Salivary Glands |
| Skeletal Muscle | Skin | Spleen | Stomach - Forestomach |
| Stomach - Glandular | Thymus | Thyroid Gland | Tongue |
| Trachea | Urinary Bladder | | |

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Kidney | | Casts Protein | Minimal |
| | | Hyperplasia | Lymphoid, Mild |
| Liver | | Hepatocellular Adenoma | |
| Note: [ HEPATOCLR ADEN ] TGLs = 2-21 | | | |
| Nose | Mucosa | Atrophy | Moderate |
| | Mucosa | Degeneration | Moderate |
| | | Exudate | |
| | Glands | Hyperplasia | Cystic, Mild |
| | Mucosa | Pigmentation | Minimal |
| Uterus | | Hyperplasia | Cystic, Mild |
| | | Polyp Stromal | |
| Note: [ HYPERPLASIA ] TGLs = 1-7 | | | |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 468 | **TRT#:** 8 | **SEX:** Female | **DAY ON TEST:** 730 |
| | **DOSE:** .3% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47223 |

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Cortex | Adrenal Gland - Medulla | Bone | Bone Marrow |
| Brain | Esophagus | Gallbladder | 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 | Ovary |
| Pancreas | Parathyroid Gland | Salivary Glands | Skeletal Muscle |
| Skin | Spleen | Stomach - Forestomach | Stomach - Glandular |
| Thymus | Tongue | Trachea | Urinary Bladder |

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Kidney | | Casts Protein | Minimal |
| | | Hyperplasia | Lymphoid, Minimal |
| Mammary Gland | | Hyperplasia | Cystic, Minimal |
| Nose | Mucosa | Atrophy | Moderate |
| | Mucosa | Degeneration | Moderate |
| | | Exudate | |
| | Glands | Hyperplasia | Cystic, Mild |
| | Mucosa | Pigmentation | Mild |
| Pituitary Gland | Pars Distalis | Adenoma | |
| Thyroid Gland | Follicle | Cyst | |
| | Follicular Cel | Hyperplasia | Minimal |
| Uterus | | Hyperplasia | Cystic, Minimal |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 469 | **TRT#:** 8 | **SEX:** Female | **DAY ON TEST:** 457 |
| | **DOSE:** .3% | **DISP:** Scheduled Sacrifice | **HISTO:** 87-45155 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Cortex | Adrenal Gland - Medulla | Bone | Bone Marrow |
| Esophagus | Gallbladder | 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 | Pancreas |
| Parathyroid Gland | Pituitary Gland | Salivary Glands | Skeletal Muscle |
| Skin | Spleen | Stomach - Forestomach | Thymus |
| Thyroid Gland | Tongue | Trachea | Urinary Bladder |

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Brain | Thalamus | Mineralization | Mild |
| Liver | | Basophilic Focus | |
| Note: BASOPH FOCUS TGLs = 3-21 | | | |
| Nose | Mucosa | Atrophy | Moderate |
| | Mucosa | Degeneration | Moderate |
| | | Exudate | |
| | Glands | Hyperplasia | Cystic, Moderate |
| | Mucosa | Pigmentation | Minimal |
| Ovary | | Cystadenoma | |
| Note: CYSTADENOMA TGLs = 1-7 | | | |
| Stomach | Glandular | Cyst | |
| Uterus | | Hyperplasia | Cystic, Minimal |
| Note: HYPERPLASIA TGLs = 2-7 | | | |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 470 | **TRT#:** 8 | **SEX:** Female | **DAY ON TEST:** 730 |
| | **DOSE:** .3% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47224 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Cortex | Bone | Bone Marrow | Brain |
| Esophagus | Gallbladder | 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 | Mammary Gland | Ovary | Pancreas |
| Parathyroid Gland | Salivary Glands | Skeletal Muscle | Skin |
| Spleen | Stomach - Forestomach | Stomach - Glandular | Tongue |
| Trachea | Urinary Bladder | | |

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Adrenal Gland | Medulla | Hyperplasia | Minimal |
| Kidney | | Hyperplasia | Lymphoid, Minimal |
| Lymph Node | Mesenteric | Ectasia | Mild |
| Nose | Mucosa | Atrophy | Moderate |
| | Mucosa | Degeneration | Moderate |
| | | Exudate | |
| | Glands | Hyperplasia | Cystic, Mild |
| | Mucosa | Pigmentation | Minimal |
| Pituitary Gland | Pars Distalis | Adenoma | |
| [ Adenoma TGLS = 2-1 ] | | | |
| Thymus | | Cyst | |
| Thyroid Gland | | Degeneration | Cystic, Minimal |
| | Follicular Cel | Hyperplasia | Mild |
| Uterus | | Hyperplasia | Cystic, Minimal |
| Note: [ HYPERPLASIA ] TGLs = 1-7 | | | |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 471 | **TRT#:** 8 | **SEX:** Female | **DAY ON TEST:** 730 |
| | **DOSE:** .3% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47225 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Cortex | Adrenal Gland - Medulla | Bone | Ear |
| Esophagus | Gallbladder | Heart | Intestine Large - Cecum |
| Intestine Large - Colon | Intestine Large - Rectum | Intestine Small - Duodenum | Intestine Small - Ileum |
| Intestine Small - Jejunum | Islets, Pancreatic | Lymph Node - Mandibular | Mammary Gland |
| Ovary | Pancreas | Parathyroid Gland | Pituitary Gland |
| Salivary Glands | Skeletal Muscle | Stomach - Forestomach | Stomach - Glandular |
| Thymus | Tongue | Trachea | |

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Bone Marrow | | Pigmentation | Hemosiderin, Moderate |
| Brain | Thalamus | Mineralization | Minimal |
| Harderian Gland | | Adenoma | |
| Kidney | Renal Tubule | Regeneration | Minimal |
| Liver | | Basophilic Focus | |
| | | Inflammation | Subacute, Minimal |
| | Lobules | Necrosis | Minimal |
| Lung | | Hyperplasia | Lymphoid, Minimal |
| Lymph Node | Mesenteric | Hyperplasia | Lymphoid, Mild |
| Nose | Mucosa | Atrophy | Moderate |
| | Mucosa | Degeneration | Moderate |
| | | Exudate | |
| | Glands | Hyperplasia | Cystic, Mild |
| | Mucosa | Pigmentation | Mild |
| Skin | Subcut Tiss | Schwannoma Benign | |
| Note: [ SCHWANNOMA BGN ] TGLs = 2-21 | | | |
| Spleen | Lymph Follic | Hyperplasia | Mild |
| Thyroid Gland | Follicular Cel | Hyperplasia | Minimal |
| Urinary Bladder | | Hyperplasia | Lymphoid, Minimal |
| Uterus | | Hyperplasia | Cystic, Moderate |
| Note: [ HYPERPLASIA ] TGLs = 1-7 | | | |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 472 | **TRT#:** 8 | **SEX:** Female | **DAY ON TEST:** 730 |
| | **DOSE:** .3% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47226 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Medulla | Bone | Brain | Esophagus |
| Gallbladder | 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 | Mammary Gland |
| Ovary | Pancreas | Parathyroid Gland | Salivary Glands |
| Skeletal Muscle | Skin | Stomach - Forestomach | Stomach - Glandular |
| Thymus | Tongue | Trachea | |

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Adrenal Gland | Cortex | Accessory Adrenal Cortical Nodule | |
| | Cortex, X-Zone | Degeneration | Fatty, Moderate |
| Bone Marrow | | Myelofibrosis | Mild |
| Kidney | | Casts Protein | Mild |
| | | Hyperplasia | Lymphoid, Minimal |
| Liver | | Inflammation | Subacute, Minimal |
| | Lobules | Necrosis | Moderate |
| Note: [ NECROSIS ] TGLs = 2-21 | | | |
| Lymph Node | Mesenteric | Hemorrhage | Moderate |
| Nose | Mucosa | Atrophy | Moderate |
| | Mucosa | Degeneration | Moderate |
| | | Exudate | |
| | Glands | Hyperplasia | Cystic, Mild |
| | Mucosa | Pigmentation | Mild |
| Pituitary Gland | Pars Distalis | Adenoma | |
| | Pars Distalis | Cyst | |
| | Pars Distalis | Hyperplasia | Mild |
| Spleen | | Hematopoietic Cell Proliferation | Mild |
| | | Pigmentation | Hemosiderin, Mild |
| Thyroid Gland | Follicular Cel | Hyperplasia | Moderate |
| Urinary Bladder | | Hyperplasia | Lymphoid, Mild |
| Uterus | | Hyperplasia | Cystic, Moderate |

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 472 | **TRT#:** 8 | **SEX:** Female | **DAY ON TEST:** 730 |
| | **DOSE:** .3% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47226 |

**ORGAN AND ACCOUNTABLE SITE STATUS**

Note: [ HYPERPLASIA ] TGLs = 3-7

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 473 | **TRT#:** 8 | **SEX:** Female | **DAY ON TEST:** 730 |
| | **DOSE:** .3% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47227 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Medulla | Bone | Bone Marrow | Esophagus |
| Gallbladder | Heart | Intestine Large - Cecum | Intestine Large - Colon |
| Intestine Large - Rectum | Intestine Small - Duodenum | Intestine Small - Ileum | Intestine Small - Jejunum |
| Islets, Pancreatic | Lung | Lymph Node - Mandibular | Lymph Node - Mesenteric |
| Mammary Gland | Pancreas | Parathyroid Gland | Pituitary Gland |
| Salivary Glands | Skeletal Muscle | Skin | Spleen |
| Stomach - Forestomach | Stomach - Glandular | Thymus | Tongue |
| Trachea | | | |

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Adrenal Gland | Cortex | Hypertrophy | Focal, Minimal |
| Brain | Thalamus | Mineralization | Minimal |
| Kidney | Renal Tubule | Regeneration | Minimal |
| Liver | | Inflammation | Subacute, Minimal |
| Nose | Mucosa | Atrophy | Moderate |
| | Mucosa | Degeneration | Moderate |
| | | Exudate | |
| | Glands | Hyperplasia | Cystic, Mild |
| | Mucosa | Pigmentation | Minimal |
| Ovary | | Cyst | |
| Thyroid Gland | Follicular Cel | Adenoma | |
| Urinary Bladder | | Hyperplasia | Lymphoid, Minimal |
| Uterus | | Hyperplasia | Cystic, Mild |
| Note: [ HYPERPLASIA ] TGLs = 1-7 | | | |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 474 | **TRT#:** 8 | **SEX:** Female | **DAY ON TEST:** 730 |
| | **DOSE:** .3% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47228 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Cortex | Adrenal Gland - Medulla | Bone | Brain |
| Esophagus | Gallbladder | Heart | Intestine Large - Cecum |
| Intestine Large - Colon | Intestine Large - Rectum | Intestine Small - Duodenum | Intestine Small - Ileum |
| Islets, Pancreatic | Lung | Lymph Node - Mandibular | Lymph Node - Mesenteric |
| Mammary Gland | Ovary | Pancreas | Parathyroid Gland |
| Pituitary Gland | Salivary Glands | Skeletal Muscle | Skin |
| Stomach - Forestomach | Stomach - Glandular | Thymus | Tongue |
| Trachea | Urinary Bladder | | |

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Bone Marrow | | Hypercellularity | Mild |
| | | Myelofibrosis | Minimal |
| Intestine Small | Jejunum | Hyperplasia | Lymphoid, Mild |
| Note: [ HYPERPLASIA ] TGLs = 4-23 | | | |
| Kidney | | Casts Protein | Moderate |
| | | Cyst | |
| | | Glomerulosclerosis | Mild |
| | | Hyperplasia | Lymphoid, Moderate |
| | Renal Tubule | Regeneration | Moderate |
| Note: [ REGENERATION ] TGLs = 1-5 | | | |
| Note: [ CASTS PROTEIN ] TGLs = 1-5 | | | |
| [ Casts Protein TGLS = 1-5 ] | | | |
| Liver | | Hepatocellular Carcinoma | Multiple, Two |
| Note: [ HEPATOCLR CARC ] TGLs = 2-21,3-22 | | | |
| Note: PORTION OF CARCINOMA ALSO PRESENT ON SLIDE 6 | | | |
| Nose | Mucosa | Atrophy | Moderate |
| | Mucosa | Degeneration | Moderate |
| | | Exudate | |
| | Glands | Hyperplasia | Cystic, Mild |
| | Mucosa | Pigmentation | Mild |
| Spleen | | Hematopoietic Cell Proliferation | Mild |

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 474 | **TRT#:** 8 | **SEX:** Female | **DAY ON TEST:** 730 |
| | **DOSE:** .3% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47228 |

**ORGAN AND ACCOUNTABLE SITE STATUS**

| | | |
|---|---|---|
| | Pigmentation | Hemosiderin, Mild |
| Thyroid Gland | Degeneration | Cystic, Minimal |
| Uterus | Hyperplasia | Cystic, Mild |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 475 | **TRT#:** 8 | **SEX:** Female | **DAY ON TEST:** 730 |
| | **DOSE:** .3% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47229 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Cortex | Adrenal Gland - Medulla | Bone | Esophagus |
| Gallbladder | Heart | Intestine Large - Cecum | Intestine Large - Colon |
| Intestine Large - Rectum | Intestine Small - Duodenum | Intestine Small - Ileum | Intestine Small - Jejunum |
| Lung | Mammary Gland | Pituitary Gland | Salivary Glands |
| Skeletal Muscle | Stomach - Forestomach | Stomach - Glandular | Tongue |
| Trachea | Urinary Bladder | Uterus | |

**MISSING**

| | | |
|---|---|---|
| Islets, Pancreatic | Pancreas | Parathyroid Gland |

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Bone Marrow | | Hypercellularity | Mild |
| | | Lymphoma Malignant Mixed | |
| Brain | Thalamus | Mineralization | Mild |
| Kidney | Renal Tubule | Atrophy | Mild |
| | | Casts Protein | Moderate |
| | | Cyst | |
| | Renal Tubule | Regeneration | Moderate |
| Note: [ CASTS PROTEIN ] TGLs = 13-5 | | | |
| Note: [ REGENERATION ] TGLs = 13-5 | | | |
| Liver | | Lymphoma Malignant Mixed | |
| Note: [ LYMPH MAL MIXD ] TGLs = 7-6 | | | |
| Lymph Node | Iliac | Lymphoma Malignant Mixed | |
| | Mandibular | Lymphoma Malignant Mixed | |
| | Mediastinal | Lymphoma Malignant Mixed | |
| | Mesenteric | Lymphoma Malignant Mixed | |
| | Renal | Lymphoma Malignant Mixed | |
| Note: [ LYMPH MAL MIXD ] TGLs = 4-8 | | | |
| Note: [ LYMPH MAL MIXD ] TGLs = 11-2 | | | |
| [ Lymphoma Malignant Mixed TGLS = 9-25 ] | | | |
| [ Lymphoma Malignant Mixed TGLS = 8-24 ] | | | |
| [ Lymphoma Malignant Mixed TGLS = 12-5 ] | | | |

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 475 | **TRT#:** 8 | **SEX:** Female | **DAY ON TEST:** 730 |
| | **DOSE:** .3% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47229 |

**ORGAN AND ACCOUNTABLE SITE STATUS**

| | | | |
|---|---|---|---|
| Nose | Mucosa | Atrophy | Moderate |
| | Mucosa | Degeneration | Moderate |
| | | Exudate | |
| | Glands | Hyperplasia | Cystic, Mild |
| | Mucosa | Pigmentation | Mild |
| Ovary | | Cyst | |
| | | Pigmentation | Moderate |
| Note: [ CYST ] TGLs = 5-7 | | | |
| Skin | | Acanthosis | Mild |
| | | Ulcer | Moderate |
| Note: [ ULCER ] TGLs = 1-21 | | | |
| Note: [ ACANTHOSIS ] TGLs = 2-22,3-23 | | | |
| Note: MARKED ACANTHOSIS ASSOC. W/ ULCER ON SLIDE 21 | | | |
| Spleen | | Hematopoietic Cell Proliferation | Mild |
| | | Lymphoma Malignant Mixed | |
| Note: [ LYMPH MAL MIXD ] TGLs = 6-6,14-26,15-27 | | | |
| Note: [ HEMA CELL PROL ] TGLs = 6-6 | | | |
| Thymus | | Lymphoma Malignant Mixed | |
| Note: [ LYMPH MAL MIXD ] TGLs = 10-2 | | | |
| Thyroid Gland | Follicle | Cyst | |
| | Follicular Cel | Hyperplasia | Mild |
| PRIMARY CAUSE OF DEATH | - | | |

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 476 | **TRT#:** 8 | **SEX:** Female | **DAY ON TEST:** 457 |
| | **DOSE:** .3% | **DISP:** Scheduled Sacrifice | **HISTO:** 87-45156 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Medulla | Bone | Bone Marrow | Esophagus |
| Gallbladder | Heart | Intestine Large - Cecum | Intestine Large - Colon |
| Intestine Large - Rectum | Intestine Small - Duodenum | Intestine Small - Ileum | Intestine Small - Jejunum |
| Islets, Pancreatic | Lung | Lymph Node - Mandibular | Lymph Node - Mesenteric |
| Mammary Gland | Pancreas | Parathyroid Gland | Pituitary Gland |
| Skeletal Muscle | Skin | Spleen | Stomach - Forestomach |
| Stomach - Glandular | Tongue | Trachea | |

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Adrenal Gland | Cortex | Accessory Adrenal Cortical Nodule | |
| Brain | Thalamus | Mineralization | Mild |
| Kidney | | Casts Protein | Minimal |
| | | Hyperplasia | Lymphoid, Minimal |
| Liver | | Inflammation | Subacute, Minimal |
| Nose | Mucosa | Atrophy | Moderate |
| | Mucosa | Degeneration | Moderate |
| | Glands | Hyperplasia | Cystic, Mild |
| | Mucosa | Pigmentation | Minimal |
| Ovary | | Cyst | |
| Note: CYST TGLs = 1-7 | | | |
| Salivary Glands | | Hyperplasia | Lymphoid, Minimal |
| Thymus | | Cyst | |
| Thyroid Gland | | Degeneration | Cystic, Minimal |
| Urinary Bladder | | Hyperplasia | Lymphoid, Minimal |
| Uterus | | Hyperplasia | Cystic, Minimal |
| Note: HYPERPLASIA TGLs = 2-7 | | | |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 477 | **TRT#:** 8 | **SEX:** Female | **DAY ON TEST:** 730 |
| | **DOSE:** .3% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47230 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Medulla | Bone | Bone Marrow | Esophagus |
| Gallbladder | Heart | Intestine Large - Cecum | Intestine Large - Colon |
| Intestine Large - Rectum | Intestine Small - Duodenum | Intestine Small - Ileum | Intestine Small - Jejunum |
| Islets, Pancreatic | Lymph Node - Mandibular | Mammary Gland | Pancreas |
| Parathyroid Gland | Pituitary Gland | Salivary Glands | Skeletal Muscle |
| Skin | Spleen | Stomach - Glandular | Thymus |
| Thyroid Gland | Tongue | Trachea | Urinary Bladder |

**INSUFFICIENT TISSUE**

Lymph Node - Mesenteric

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Adrenal Gland | Capsule, Cortex | Hyperplasia | Mild |
| | Cortex | Hypertrophy | Focal, Minimal |
| Brain | Thalamus | Mineralization | Minimal |
| Kidney | | Casts Protein | Mild |
| Liver | | Hepatocellular Carcinoma | |
| Note: [ HEPATOCLR CARC ] TGLs = 3-21 | | | |
| Lung | | Hemorrhage | Minimal |
| | | Hepatocellular Carcinoma | Metastatic (Liver) |
| Nose | Mucosa | Atrophy | Moderate |
| | Mucosa | Degeneration | Moderate |
| | | Exudate | |
| | Glands | Hyperplasia | Cystic, Mild |
| | Mucosa | Pigmentation | Minimal |
| Ovary | | Cyst | |
| Note: [ CYST ] TGLs = 1-7 | | | |
| Stomach | Forestomach | Squamous Cell Papilloma | |
| Note: [ PAPILLOMA SQUA ] TGLs = 4-4-1 | | | |
| Uterus | | Hyperplasia | Cystic, Moderate |
| Note: [ HYPERPLASIA ] TGLs = 2-7 | | | |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 477 | **TRT#:** 8 | **SEX:** Female | **DAY ON TEST:** 730 |
| | **DOSE:** .3% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47230 |

**ORGAN AND ACCOUNTABLE SITE STATUS**

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 478 | **TRT#:** 8 | **SEX:** Female | **DAY ON TEST:** 730 |
| | **DOSE:** .3% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47231 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Cortex | Adrenal Gland - Medulla | Bone | Esophagus |
| Gallbladder | Heart | Intestine Large - Cecum | Intestine Large - Colon |
| Intestine Large - Rectum | Intestine Small - Duodenum | Intestine Small - Ileum | Intestine Small - Jejunum |
| Islets, Pancreatic | Lung | Lymph Node - Mandibular | Lymph Node - Mesenteric |
| Mammary Gland | Pancreas | Parathyroid Gland | Pituitary Gland |
| Salivary Glands | Skeletal Muscle | Skin | Spleen |
| Stomach - Forestomach | Stomach - Glandular | Thymus | Thyroid Gland |
| Tongue | Trachea | Urinary Bladder | |

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Bone Marrow | | Myelofibrosis | Moderate |
| Note: MYELOFIBROSIS IS IN POSTERIOR NASAL SECTION, SLIDE 9 | | | |
| Brain | Thalamus | Mineralization | Moderate |
| Kidney | | Casts Protein | Minimal |
| | | Hyperplasia | Lymphoid, Minimal |
| Liver | | Inflammation | Subacute, Minimal |
| Nose | Mucosa | Atrophy | Moderate |
| | Mucosa | Degeneration | Moderate |
| | | Exudate | |
| | Glands | Hyperplasia | Cystic, Mild |
| | Mucosa | Pigmentation | Minimal |
| Ovary | | Angiectasis | Mild |
| Uterus | | Angiectasis | Mild |
| | | Hyperplasia | Cystic, Moderate |
| Note: [ HYPERPLASIA ] TGLs = 1-7 | | | |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 479 | **TRT#:** 8 | **SEX:** Female | **DAY ON TEST:** 730 |
| | **DOSE:** .3% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47232 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Medulla | Bone | Esophagus | Gallbladder |
| Heart | Intestine Large - Colon | Intestine Large - Rectum | Intestine Small - Duodenum |
| Intestine Small - Ileum | Intestine Small - Jejunum | Islets, Pancreatic | Liver |
| Lymph Node - Mandibular | Lymph Node - Mesenteric | Mammary Gland | Pancreas |
| Parathyroid Gland | Pituitary Gland | Salivary Glands | Skeletal Muscle |
| Skin | Stomach - Glandular | Thymus | Thyroid Gland |
| Tongue | Trachea | Urinary Bladder | |

**MISSING**

Intestine Large - Cecum

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Adrenal Gland | Cortex | Hyperplasia | Focal, Mild |
| Bone Marrow | | Hypercellularity | Moderate |
| | | Pigmentation | Hemosiderin, Moderate |
| Brain | Thalamus | Mineralization | Mild |
| Kidney | | Hyperplasia | Lymphoid, Minimal |
| Lung | | Hyperplasia | Lymphoid, Mild |
| Nose | Mucosa | Atrophy | Moderate |
| | Mucosa | Degeneration | Moderate |
| | | Exudate | |
| | Glands | Hyperplasia | Cystic, Minimal |
| | Mucosa | Pigmentation | Minimal |
| Ovary | | Cyst | |
| Note: [ CYST ] TGLs = 3-7 | | | |
| Spleen | | Hematopoietic Cell Proliferation | Mild |
| Note: [ HEMA CELL PROL ] TGLs = 2-6 | | | |
| Stomach | Forestomach | Diverticulum | Mild |
| Uterus | | Hyperplasia | Cystic, Mild |
| | | Inflammation | Suppurative, Minimal |
| | Epithelium | Metaplasia | Squamous, Minimal |
| | | Polyp Stromal | |

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 479 | **TRT#:** 8 | **SEX:** Female | **DAY ON TEST:** 730 |
| | **DOSE:** .3% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47232 |

**ORGAN AND ACCOUNTABLE SITE STATUS**

Note: [ HYPERPLASIA ] TGLs = 1-7

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

| | | | |
|---|---|---|---|
| **ANIMAL ID:** 480 | **TRT#:** 8 | **SEX:** Female | **DAY ON TEST:** 730 |
| | **DOSE:** .3% | **DISP:** Terminal Sacrifice | **HISTO:** 88-47233 |

## ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

| | | | |
|---|---|---|---|
| Adrenal Gland - Cortex | Adrenal Gland - Medulla | Bone | Bone Marrow |
| Esophagus | Gallbladder | Heart | Intestine Large - Cecum |
| Intestine Large - Colon | Intestine Large - Rectum | Intestine Small - Duodenum | Intestine Small - Ileum |
| Intestine Small - Jejunum | Islets, Pancreatic | Kidney | Liver |
| Lung | Lymph Node - Mandibular | Lymph Node - Mesenteric | Mammary Gland |
| Pancreas | Parathyroid Gland | Pituitary Gland | Salivary Glands |
| Skeletal Muscle | Skin | Stomach - Forestomach | Stomach - Glandular |
| Thymus | Tongue | Trachea | Urinary Bladder |

**OBSERVATIONS**

| | | | |
|---|---|---|---|
| Brain | Thalamus | Mineralization | Mild |
| Nose | Mucosa | Atrophy | Mild |
| | Mucosa | Degeneration | Mild |
| | | Exudate | |
| | Glands | Hyperplasia | Cystic, Mild |
| | Mucosa | Pigmentation | Minimal |
| Ovary | | Cyst | |
| Note: [ CYST ] TGLs = 3-7 | | | |
| Spleen | Lymph Follic | Hyperplasia | Mild |
| Thyroid Gland | | Degeneration | Cystic, Minimal |
| | Follicular Cel | Hyperplasia | Minimal |
| Uterus | | Hyperplasia | Cystic, Moderate |
| | Epithelium | Metaplasia | Squamous, Minimal |
| Note: [ HYPERPLASIA ] TGLs = 2-7 | | | |

PRIMARY CAUSE OF DEATH -

** END OF REPORT **

* PROTOCOL REQUIRED TISSUE