

Experiment Number: 05029-01
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014
Time Report Requested: 14:14:33
First Dose M/F: NA / NA
Lab: MBA

| | |
|-----------------------------|--------------|
| C Number: | C55710 |
| 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 | 05/05/1989 |

Experiment Number: 05029-01

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014

Time Report Requested: 14:14:33

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 1

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

OBSERVATIONS

| | | | |
|---------------------------------|----------------|----------------------------|--------------------------------------|
| Adrenal Gland | Medulla | Hyperplasia | Focal, Minimal |
| Brain | Hypothalamus | Compression | Moderate |
| Eye | Retina | Atrophy | Mild |
| | Lens | Cataract | Moderate |
| | Sclera | Metaplasia | Osseous, Multifocal, Mild |
| Heart | | Cardiomyopathy | Multifocal, Mild |
| Kidney | | Nephropathy | Chronic, Multifocal, Moderate |
| Note: NEPHROPATHY TGLs = 4-4 | | | |
| Liver | | Focal Cellular Change | |
| | | Hepatodiaphragmatic Nodule | |
| | Bile Duct | Hyperplasia | Multifocal, Moderate |
| | | Leukemia Mononuclear | |
| Note: HYPERPLASIA TGLs = 5-3 | | | |
| Note: LEUKEMIA MONUC TGLs = 5-3 | | | |
| Lung | | Leukemia Mononuclear | |
| Nose | Nasolacrim Dct | Inflammation | Chronic, Mild |
| Pancreas | Acinus | Atrophy | Focal, Minimal |
| Pituitary Gland | Pars Distalis | Adenoma | |
| Note: ADENOMA TGLs = 6-1 | | | |
| Preputial Gland | | Inflammation | Chronic, Multifocal, Mild |
| Prostate | | Inflammation | Chronic Active, Multifocal, Moderate |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014

Time Report Requested: 14:14:33

First Dose M/F: NA / NA

Lab: MBA

| | | | |
|---------------------|------------------------------|---------------------------------|-------------------------|
| ANIMAL ID: 1 | TRT#: 1 | SEX: Male | DAY ON TEST: 729 |
| | DOSE: VEHICLE CONTROL | DISP: Terminal Sacrifice | HISTO: |

| ORGAN AND ACCOUNTABLE SITE STATUS | | | |
|--|----------------|----------------------|-------------------|
| Seminal Vesicle | | Atrophy | Diffuse, Moderate |
| Spleen | | Leukemia Mononuclear | |
| Note: LEUKEMIA MONUC | TGLs = 1-3 | | |
| Testes | Interstit Cell | Adenoma | |
| | | Atrophy | Diffuse, Moderate |
| Note: ATROPHY | TGLs = 2-5 | | |
| Note: ADENOMA | TGLs = 3-5 | | |

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

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014
Time Report Requested: 14:14:33
First Dose M/F: NA / NA
Lab: MBA

| | | | |
|---------------------|------------------------------|-----------------------|-------------------------|
| ANIMAL ID: 2 | TRT#: 1 | SEX: Male | DAY ON TEST: 676 |
| | DOSE: VEHICLE CONTROL | DISP: Moribund | HISTO: |

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|----------------------------|-------------------------|---------------------------|--------------------------|
| Bone | Brain | Epididymis | Esophagus |
| Heart | Intestine Large - Cecum | Intestine Large - Colon | Intestine Large - Rectum |
| Intestine Small - Duodenum | Intestine Small - Ileum | Intestine Small - Jejunum | Islets, Pancreatic |
| Larynx | Pancreas | Parathyroid Gland | Pituitary Gland |
| Prostate | Salivary Glands | Skin | Spinal Cord |
| Stomach - Forestomach | Thyroid Gland | Trachea | Urinary Bladder |

OBSERVATIONS

| | | | |
|--|------------------------------|---|------------------------------|
| Adrenal Gland | Medulla Cortex Medulla | Hyperplasia Leukemia Mononuclear Leukemia Mononuclear Leukemia Mononuclear Leukemia Mononuclear | Focal, Minimal |
| Bone Marrow | | Leukemia Mononuclear | |
| Eye | Sclera | Metaplasia | Osseous, Focal, Minimal |
| Kidney | | Leukemia Mononuclear Nephropathy | Chronic, Multifocal, Minimal |
| Liver | Bile Duct | Hyperplasia Leukemia Mononuclear | Multifocal, Moderate |
| Note: LEUKEMIA MONUC TGLs = 5-3 | | | |
| Lung | | Leukemia Mononuclear | |
| Lymph Node | Mandibular Mesenteric | Leukemia Mononuclear Leukemia Mononuclear | |
| [Leukemia Mononuclear TGLs = 4-8,15] | | | |
| Mammary Gland | | Leukemia Mononuclear | |
| Mesentery | Fat | Necrosis | Marked |
| Note: NECROSIS TGLs = 2,4-14 | | | |
| Nose | Nasolacrim Dct | Inflammation | Chronic Active, Mild |
| Preputial Gland | | Leukemia Mononuclear | |
| Seminal Vesicle | | Atrophy Leukemia Mononuclear | Diffuse, Marked |
| Spleen | | Leukemia Mononuclear | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014
Time Report Requested: 14:14:33
First Dose M/F: NA / NA
Lab: MBA

| | | | |
|---------------------|------------------------------|-----------------------|-------------------------|
| ANIMAL ID: 2 | TRT#: 1 | SEX: Male | DAY ON TEST: 676 |
| | DOSE: VEHICLE CONTROL | DISP: Moribund | HISTO: |

ORGAN AND ACCOUNTABLE SITE STATUS

| | | | |
|----------------------|----------------|----------------------|----------|
| Note: LEUKEMIA MONUC | TGLs = 3-3,16 | | |
| Stomach | Glandular | Leukemia Mononuclear | |
| Testes | Interstit Cell | Adenoma | Multiple |
| | | Leukemia Mononuclear | |
| Note: ADENOMA | TGLs = 1-5 | | |
| Thymus | | Leukemia Mononuclear | |
| Note: LEUKEMIA MONUC | TGLs = 6-2 | | |

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

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014
Time Report Requested: 14:14:33
First Dose M/F: NA / NA
Lab: MBA

| | | | |
|---------------------|------------------------------|-------------------|-------------------------|
| ANIMAL ID: 3 | TRT#: 1 | SEX: Male | DAY ON TEST: 708 |
| | DOSE: VEHICLE CONTROL | DISP: Dead | HISTO: |

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|--------------------------|----------------------------|-------------------------|---------------------------|
| Adrenal Gland - Cortex | Bone | Bone Marrow | Brain |
| Epididymis | Esophagus | Intestine Large - Cecum | Intestine Large - Colon |
| Intestine Large - Rectum | Intestine Small - Duodenum | Intestine Small - Ileum | Intestine Small - Jejunum |
| Islets, Pancreatic | Larynx | Lymph Node - Mandibular | Parathyroid Gland |
| Prostate | Salivary Glands | Spinal Cord | Spleen |
| Stomach - Forestomach | Stomach - Glandular | Thyroid Gland | Trachea |
| Urinary Bladder | | | |

MISSING

| | | | |
|-----------------|--------|--|--|
| Preputial Gland | Thymus | | |
|-----------------|--------|--|--|

OBSERVATIONS

| | | | |
|---------------------------------|---------------|----------------------------------|-------------------------------|
| Adrenal Gland | Medulla | Hyperplasia | Focal, Marked |
| | Medulla | Pheochromocytoma Benign | |
| Eye | Sclera | Metaplasia | Osseous, Multifocal, Moderate |
| Heart | | Cardiomyopathy | Multifocal, Moderate |
| Kidney | | Nephropathy | Chronic, Multifocal, Mild |
| Liver | | Hematopoietic Cell Proliferation | Multifocal, Mild |
| | | Hepatodiaphragmatic Nodule | |
| | Bile Duct | Hyperplasia | Multifocal, Mild |
| | Centrilobular | Necrosis | Acute, Moderate |
| Note: HYPERPLASIA TGLs = 3-3 | | | |
| Note: ANOM HEPAT LOB TGLs = 4-3 | | | |
| Note: NECROSIS TGLs = 3-3 | | | |
| Lung | | Alveolar/Bronchiolar Adenoma | |
| Lymph Node | Mesenteric | Congestion | Mild |
| Mammary Gland | Duct | Ectasia | Mild |
| Nose | | Fungus | Mild |
| | Mucosa | Inflammation | Subacute, Multifocal, Mild |
| Pancreas | Acinus | Atrophy | Multifocal, Moderate |
| Pituitary Gland | Pars Distalis | Adenoma | |
| [Adenoma TGLS = 5-1] | | | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014
Time Report Requested: 14:14:33
First Dose M/F: NA / NA
Lab: MBA

| | | | |
|---------------------|------------------------------|-------------------|-------------------------|
| ANIMAL ID: 3 | TRT#: 1 | SEX: Male | DAY ON TEST: 708 |
| | DOSE: VEHICLE CONTROL | DISP: Dead | HISTO: |

| ORGAN AND ACCOUNTABLE SITE STATUS | | | |
|-----------------------------------|----------------|-------------|-------------------|
| Seminal Vesicle | | Atrophy | Diffuse, Moderate |
| Skin | Subcut Tiss | Fibroma | |
| Note: FIBROMA | TGLs = 1-12 | | |
| Spleen | | | |
| Note: NCL 2 | | | |
| Testes | Interstit Cell | Hyperplasia | Multifocal, Mild |

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

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014

Time Report Requested: 14:14:33

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 4

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

| | | | |
|-----------------|----------------|-----------------------|-------------------------------|
| Adrenal Gland | Cortex | Hyperplasia | Multifocal, Mild |
| Eye | Sclera | Metaplasia | Osseous, Multifocal, Mild |
| Heart | | Cardiomyopathy | Multifocal, Mild |
| Kidney | | Nephropathy | Chronic, Multifocal, Moderate |
| Liver | | Focal Cellular Change | |
| | Bile Duct | Hyperplasia | Multifocal, Mild |
| Lung | Interstitium | Inflammation | Chronic, Multifocal, Mild |
| Lymph Node | Mesenteric | Degeneration | Cystic, Moderate |
| Pancreas | Acinus | Atrophy | Focal, Mild |
| Preputial Gland | | Abscess | Moderate |
| | | Adenoma | |
| Note: ADENOMA | TGLs = 1-8 | | |
| Testes | Interstit Cell | Adenoma | Multiple |
| Note: ADENOMA | TGLs = 2-5 | | |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014
Time Report Requested: 14:14:33
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 5 **TRT#:** 1 **SEX:** Male **DAY ON TEST:** 729
DOSE: VEHICLE CONTROL **DISP:** Terminal Sacrifice **HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|----------------------------|-------------------------|---------------------------|--------------------------|
| Bone | Brain | Epididymis | Esophagus |
| Eye | Intestine Large - Cecum | Intestine Large - Colon | Intestine Large - Rectum |
| Intestine Small - Duodenum | Intestine Small - Ileum | Intestine Small - Jejunum | Islets, Pancreatic |
| Larynx | Nose | Parathyroid Gland | Preputial Gland |
| Prostate | Salivary Glands | Skin | Spinal Cord |
| Stomach - Forestomach | Stomach - Glandular | Thyroid Gland | Trachea |
| Urinary Bladder | | | |

MISSING

Mammary Gland Thymus

OBSERVATIONS

| | | | |
|---------------------------------------|----------------|-----------------------|-------------------------------|
| Adrenal Gland | Medulla | Hyperplasia | Focal, Minimal |
| | Cortex | Leukemia Mononuclear | |
| Bone Marrow | | Leukemia Mononuclear | |
| Heart | | Cardiomyopathy | Multifocal, Mild |
| Kidney | | Nephropathy | Chronic, Multifocal, Moderate |
| Note: NEPHROPATHY TGLs = 3-4 | | | |
| Liver | | Focal Cellular Change | |
| | Bile Duct | Hyperplasia | Multifocal, Mild |
| | | Leukemia Mononuclear | |
| Lung | | Leukemia Mononuclear | |
| Lymph Node | Mandibular | Leukemia Mononuclear | |
| | Mesenteric | Leukemia Mononuclear | |
| Pancreas | Acinus | Atrophy | Focal, Mild |
| Pituitary Gland | Pars Distalis | Hyperplasia | Focal, Minimal |
| Seminal Vesicle | | Atrophy | Diffuse, Minimal |
| Spleen | | Leukemia Mononuclear | |
| Note: LEUKEMIA MONUC TGLs = 2-3 | | | |
| Testes | Interstit Cell | Adenoma | Multiple |
| Note: ADENOMA TGLs = 1-5 | | | |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014

Time Report Requested: 14:14:33

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 5

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014
Time Report Requested: 14:14:33
First Dose M/F: NA / NA
Lab: MBA

| | | | |
|---------------------|--|---|--|
| ANIMAL ID: 6 | TRT#: 1 DOSE: VEHICLE CONTROL | SEX: Male DISP: Moribund | DAY ON TEST: 316 HISTO: |
|---------------------|--|---|--|

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

| | |
|---------------|-----------------|
| Mammary Gland | Preputial Gland |
|---------------|-----------------|

OBSERVATIONS

| | | | |
|-------------|--------|----------------|------------------------------|
| Eye | Sclera | Metaplasia | Osseous, Focal, Minimal |
| Heart | | Cardiomyopathy | Multifocal, Mild |
| Kidney | | Nephropathy | Chronic, Multifocal, Mild |
| Liver | | Inflammation | Chronic, Multifocal, Minimal |
| Note: NCL-2 | | | |
| Skin | | | |
| Note: NCL-1 | | | |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014
Time Report Requested: 14:14:33
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 7 **TRT#:** 1 **SEX:** Male **DAY ON TEST:** 729
DOSE: VEHICLE CONTROL **DISP:** Terminal Sacrifice **HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|---------------------------|--------------------------|----------------------------|-------------------------|
| Bone | Epididymis | Esophagus | Intestine Large - Cecum |
| Intestine Large - Colon | Intestine Large - Rectum | Intestine Small - Duodenum | Intestine Small - Ileum |
| Intestine Small - Jejunum | Islets, Pancreatic | Larynx | Nose |
| Parathyroid Gland | Preputial Gland | Salivary Glands | Seminal Vesicle |
| Skin | Spinal Cord | Stomach - Forestomach | Stomach - Glandular |
| Thymus | Trachea | Urinary Bladder | |

OBSERVATIONS

| | | | |
|-----------------------------------|---------------|-----------------------|------------------------------|
| Adrenal Gland | Cortex | Leukemia Mononuclear | |
| | Medulla | Leukemia Mononuclear | |
| Bone Marrow | | Leukemia Mononuclear | |
| Brain | Hypothalamus | Compression | Mild |
| Eye | Sclera | Metaplasia | Osseous, Multifocal, Minimal |
| Heart | | Cardiomyopathy | Multifocal, Minimal |
| Kidney | | Nephropathy | Chronic, Multifocal, Mild |
| Liver | | Focal Cellular Change | |
| | Bile Duct | Hyperplasia | Multifocal, Mild |
| | | Leukemia Mononuclear | |
| Lung | | Leukemia Mononuclear | |
| Lymph Node | Mandibular | Leukemia Mononuclear | |
| | Mesenteric | Leukemia Mononuclear | |
| Mammary Gland | Duct | Ectasia | Mild |
| | | Fibroadenoma | |
| Note: FIBROADENOMA TGLs = 1-14 | | | |
| Mesentery | | Leukemia Mononuclear | |
| | Fat | Necrosis | Marked |
| Note: NECROSIS TGLs = 4-13 | | | |
| Pancreas | Acinus | Atrophy | Focal, Minimal |
| Pituitary Gland | Pars Distalis | Adenoma | |
| Note: ADENOMA TGLs = 5-1 | | | |
| Prostate | | Hyperplasia | Focal, Mild |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014
Time Report Requested: 14:14:33
First Dose M/F: NA / NA
Lab: MBA

| | | | |
|---------------------|------------------------------|---------------------------------|-------------------------|
| ANIMAL ID: 7 | TRT#: 1 | SEX: Male | DAY ON TEST: 729 |
| | DOSE: VEHICLE CONTROL | DISP: Terminal Sacrifice | HISTO: |

ORGAN AND ACCOUNTABLE SITE STATUS

| | | | |
|------------------------|-------------|----------------------|----------------------|
| Note: HYPERPLASIA | TGLs = 3-5 | | |
| Spleen | | Leukemia Mononuclear | |
| Testes | | Adenoma | |
| | | Leukemia Mononuclear | |
| Note: ADENOMA | TGLs = 2-12 | | |
| Thyroid Gland | | C Cell | |
| | | Hyperplasia | Multifocal, Moderate |
| PRIMARY CAUSE OF DEATH | - | | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014
Time Report Requested: 14:14:33
First Dose M/F: NA / NA
Lab: MBA

| | | | |
|---------------------|--|---|--|
| ANIMAL ID: 8 | TRT#: 1 DOSE: VEHICLE CONTROL | SEX: Male DISP: Moribund | DAY ON TEST: 722 HISTO: |
|---------------------|--|---|--|

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

| | | | |
|---------------|----------|-----------------|--|
| Mammary Gland | Prostate | Seminal Vesicle | |
|---------------|----------|-----------------|--|

OBSERVATIONS

| | | | |
|----------------------|--------------|----------------------------|-------------------------------|
| Adrenal Gland | Medulla | Hyperplasia | Multifocal, Marked |
| Bone Marrow | | Leukemia Mononuclear | |
| Eye | Sclera | Metaplasia | Osseous, Focal, Minimal |
| Heart | | Cardiomyopathy | Multifocal, Mild |
| | Atrium | Thrombosis | |
| Kidney | | Leukemia Mononuclear | |
| | | Nephropathy | Chronic, Multifocal, Moderate |
| Liver | | Hepatodiaphragmatic Nodule | |
| | Bile Duct | Hyperplasia | Multifocal, Moderate |
| | | Hyperplasia | Focal, Mild |
| | | Leukemia Mononuclear | |
| Note: ANOM HEPAT LOB | TGLs = 4-12 | | |
| Lung | | Leukemia Mononuclear | |
| Lymph Node | Mandibular | Leukemia Mononuclear | |
| | Mesenteric | Leukemia Mononuclear | |
| Note: LEUKEMIA MONUC | TGLs = 3-13 | | |
| Pancreas | | Leukemia Mononuclear | |
| Pituitary Gland | | Leukemia Mononuclear | |
| Preputial Gland | | Inflammation | Chronic, Multifocal, Minimal |
| Spleen | | Leukemia Mononuclear | |
| Note: LEUKEMIA MONUC | TGLs = 1-3+3 | | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014
Time Report Requested: 14:14:33
First Dose M/F: NA / NA
Lab: MBA

| | | | |
|---------------------|------------------------------|-----------------------|-------------------------|
| ANIMAL ID: 8 | TRT#: 1 | SEX: Male | DAY ON TEST: 722 |
| | DOSE: VEHICLE CONTROL | DISP: Moribund | HISTO: |

ORGAN AND ACCOUNTABLE SITE STATUS

| | | | | |
|----------------------|------------------|-------------------|----------------------|----------|
| Note: LEUKEMIA MONUC | TGLs = 2-3+3 | | | |
| Note: LEUKEMIA MONUC | TGLs = 1,2-3,3.1 | | | |
| Stomach | | Glandular | Leukemia Mononuclear | |
| Testes | | Interstitial Cell | Adenoma | Multiple |
| | | | Leukemia Mononuclear | |
| Thymus | | | Leukemia Mononuclear | |
| Note: LEUKEMIA MONUC | TGLs = 5-2 | | | |

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

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014
Time Report Requested: 14:14:33
First Dose M/F: NA / NA
Lab: MBA

| | | | |
|---------------------|--|---|--|
| ANIMAL ID: 9 | TRT#: 1 DOSE: VEHICLE CONTROL | SEX: Male DISP: Moribund | DAY ON TEST: 684 HISTO: |
|---------------------|--|---|--|

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|-------------------------|---------------------------|--------------------------|----------------------------|
| Bone | Brain | Epididymis | Esophagus |
| Intestine Large - Cecum | Intestine Large - Colon | Intestine Large - Rectum | Intestine Small - Duodenum |
| Intestine Small - Ileum | Intestine Small - Jejunum | Islets, Pancreatic | Larynx |
| Lymph Node - Mandibular | Lymph Node - Mesenteric | Mammary Gland | Parathyroid Gland |
| Pituitary Gland | Prostate | Salivary Glands | Skin |
| Spinal Cord | Stomach - Forestomach | Stomach - Glandular | Thymus |
| Thyroid Gland | Trachea | | |

OBSERVATIONS

| | | | |
|---------------------------------|----------------|-------------------------|---------------------------|
| Adrenal Gland | Medulla | Hyperplasia | Multifocal, Moderate |
| | Cortex | Leukemia Mononuclear | |
| | Medulla | Leukemia Mononuclear | |
| | Medulla | Pheochromocytoma Benign | |
| Bone Marrow | | Leukemia Mononuclear | |
| Eye | Sclera | Metaplasia | Osseous, Focal, Minimal |
| Note: ONLY ONE EYE | | | |
| Heart | | Cardiomyopathy | Multifocal, Mild |
| | | Leukemia Mononuclear | |
| Kidney | | Liposarcoma | |
| | | Nephropathy | Chronic, Multifocal, Mild |
| Note: LIPOSARC TGLs = 3-4 | | | |
| Liver | Bile Duct | Hyperplasia | Multifocal, Moderate |
| | | Leukemia Mononuclear | |
| Note: LEUKEMIA MONUC TGLs = 4-3 | | | |
| Lung | | Leukemia Mononuclear | |
| Nose | Nasolacrim Dct | Inflammation | Chronic Active, Mild |
| Pancreas | Acinus | Atrophy | Diffuse, Moderate |
| Preputial Gland | | Inflammation | Chronic, Multifocal, Mild |
| Seminal Vesicle | | Atrophy | Diffuse, Marked |
| Spleen | | Leukemia Mononuclear | |
| Testes | Interstit Cell | Adenoma | Multiple |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014

Time Report Requested: 14:14:33

First Dose M/F: NA / NA

Lab: MBA

| | | | |
|---------------------|------------------------------|-----------------------|-------------------------|
| ANIMAL ID: 9 | TRT#: 1 | SEX: Male | DAY ON TEST: 684 |
| | DOSE: VEHICLE CONTROL | DISP: Moribund | HISTO: |

ORGAN AND ACCOUNTABLE SITE STATUS

| | | | |
|------------------|------------|------------|--------|
| Note: ADENOMA | TGLs = 2-5 | | |
| Urinary Bladder | | Dilatation | Marked |
| Note: DILATATION | TGLs = 1-4 | | |

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

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014
Time Report Requested: 14:14:33
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 10

TRT#: 1

SEX: Male

DAY ON TEST: 691

DOSE: VEHICLE CONTROL

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|-------------------------|-------------------------|--------------------------|----------------------------|
| Bone | Brain | Epididymis | Esophagus |
| Intestine Large - Cecum | Intestine Large - Colon | Intestine Large - Rectum | Intestine Small - Duodenum |
| Islets, Pancreatic | Larynx | Nose | Parathyroid Gland |
| Pituitary Gland | Preputial Gland | Prostate | Stomach - Forestomach |
| Trachea | | | |

AUTO PRECLUDES DIAG.

| | |
|-------------------------|---------------------------|
| Intestine Small - Ileum | Intestine Small - Jejunum |
|-------------------------|---------------------------|

OBSERVATIONS

| | | | |
|----------------------|--------------------------------------|----------------------------|------------------------------|
| Adrenal Gland | Cortex | Leukemia Mononuclear | |
| | Medulla | Leukemia Mononuclear | |
| | Medulla | Pheochromocytoma Benign | |
| Bone Marrow | | Leukemia Mononuclear | |
| Eye | Sclera | Metaplasia | Osseous, Multifocal, Minimal |
| Heart | | Leukemia Mononuclear | |
| Kidney | | Leukemia Mononuclear | |
| Note: LEUKEMIA MONUC | TGLs = 6,7-4 | | |
| Liver | | Hepatodiaphragmatic Nodule | |
| | Bile Duct | Hyperplasia | Multifocal, Moderate |
| | | Leukemia Mononuclear | |
| Note: LEUKEMIA MONUC | TGLs = 8-3,12 | | |
| Note: ANOM HEPAT LOB | TGLs = 2-3,12 | | |
| Lung | | Leukemia Mononuclear | |
| Lymph Node | Mandibular | Leukemia Mononuclear | |
| | Mesenteric | Leukemia Mononuclear | |
| | | Leukemia Mononuclear | |
| Note: LEUKEMIA MONUC | TGLs = 1-2 | | |
| | [Leukemia Mononuclear TGLS = 5-13] | | |
| Mammary Gland | | Leukemia Mononuclear | |
| Pancreas | Acinus | Atrophy | Focal, Mild |
| Salivary Glands | | Leukemia Mononuclear | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014
Time Report Requested: 14:14:33
First Dose M/F: NA / NA
Lab: MBA

| | | | |
|----------------------|------------------------------|-------------------|-------------------------|
| ANIMAL ID: 10 | TRT#: 1 | SEX: Male | DAY ON TEST: 691 |
| | DOSE: VEHICLE CONTROL | DISP: Dead | HISTO: |

ORGAN AND ACCOUNTABLE SITE STATUS

| | | | |
|----------------------|-------------------|--------------------------------------|-----------------------|
| Seminal Vesicle | | Atrophy | Diffuse, Mild |
| Skin | | Leukemia Mononuclear Inflammation | Acute, Focal, Minimal |
| Spinal Cord | Subcut Tiss | Leukemia Mononuclear | |
| Spleen | | Leukemia Mononuclear | |
| Note: LEUKEMIA MONUC | TGLs = 3-3 | | |
| Stomach | Glandular | Leukemia Mononuclear | |
| Testes | Interstitial Cell | Adenoma | Multiple |
| Note: ADENOMA | TGLs = 4-5 | | |
| Thymus | | Leukemia Mononuclear | |
| Thyroid Gland | C Cell | Carcinoma | |
| Urinary Bladder | | Leukemia Mononuclear | |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014
Time Report Requested: 14:14:33
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 11

TRT#: 1

SEX: Male

DAY ON TEST: 537

DOSE: VEHICLE CONTROL

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

| | | | |
|-----------------|---------------|-----------------------|---------------------------------|
| Brain | | Hydrocephalus | Mild |
| Heart | | Cardiomyopathy | Multifocal, Minimal |
| Kidney | | Nephropathy | Chronic, Multifocal, Minimal |
| Liver | | Fatty Change | Mild |
| | | Focal Cellular Change | |
| Lung | | Infiltration Cellular | Histiocyte, Multifocal, Minimal |
| Pancreas | Acinus | Atrophy | Focal, Mild |
| Pituitary Gland | Pars Distalis | Adenoma | |
| Note: ADENOMA | TGLs = 4-1 | | |
| Stomach | Forestomach | Hyperplasia | Squamous, Mild |
| | Forestomach | Inflammation | Acute, Minimal |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014
Time Report Requested: 14:14:33
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 12

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|-------------------------|---------------------------|--------------------------|----------------------------|
| Bone | Brain | Epididymis | Esophagus |
| Intestine Large - Cecum | Intestine Large - Colon | Intestine Large - Rectum | Intestine Small - Duodenum |
| Intestine Small - Ileum | Intestine Small - Jejunum | Islets, Pancreatic | Larynx |
| Pancreas | Parathyroid Gland | Prostate | Salivary Glands |
| Skin | Spinal Cord | Stomach - Glandular | Thymus |
| Thyroid Gland | Trachea | Urinary Bladder | |

MISSING

Stomach - Forestomach

OBSERVATIONS

| | | | |
|---------------------------------------|----------------|-------------------------|-------------------------------|
| Adrenal Gland | Cortex | Degeneration | Focal, Minimal |
| | Cortex | Leukemia Mononuclear | |
| | Medulla | Leukemia Mononuclear | |
| | Medulla | Pheochromocytoma Benign | |
| Bone Marrow | | Leukemia Mononuclear | |
| Brain | | | |
| Note: BRAIN-BADLY DAMAGED AT NECROPSY | | | |
| Eye | Sclera | Metaplasia | Osseous, Multifocal, Mild |
| Heart | | Cardiomyopathy | Multifocal, Mild |
| | | Leukemia Mononuclear | |
| Kidney | | Nephropathy | Chronic, Multifocal, Moderate |
| Liver | | Degeneration | Cystic, Multifocal, Moderate |
| | Bile Duct | Hyperplasia | Multifocal, Moderate |
| | | Leukemia Mononuclear | |
| Note: LEUKEMIA MONUC TGLs = 2-3 | | | |
| Lung | | Leukemia Mononuclear | |
| Lymph Node | Mandibular | Leukemia Mononuclear | |
| | Mesenteric | Leukemia Mononuclear | |
| Mammary Gland | | Fibroadenoma | |
| Note: FIBROADENOMA TGLs = 3-12 | | | |
| Nose | Nasolacrim Dct | Inflammation | Chronic, Minimal |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014

Time Report Requested: 14:14:33

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 12

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

| | | | |
|---------------------------------|----------------|----------------------|------------------------------|
| Pituitary Gland | Pars Distalis | Adenoma | |
| Preputial Gland | | Inflammation | Chronic, Multifocal, Minimal |
| Seminal Vesicle | | Atrophy | Diffuse, Marked |
| Spleen | | Leukemia Mononuclear | |
| Note: LEUKEMIA MONUC TGLs = 1-3 | | | |
| Testes | Interstit Cell | Adenoma | Multiple |
| PRIMARY CAUSE OF DEATH | - | | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014
Time Report Requested: 14:14:33
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 13

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

| | | |
|--------|-------------------|--------|
| Larynx | Parathyroid Gland | Thymus |
|--------|-------------------|--------|

OBSERVATIONS

| | | | |
|-----------------|----------------|-----------------------|-------------------------------|
| Bone Marrow | | Infiltration Cellular | Histiocyte, Focal, Mild |
| Eye | Sclera | Metaplasia | Osseous, Focal, Mild |
| Heart | | Cardiomyopathy | Multifocal, Mild |
| Kidney | | Cyst | Mild |
| | | Nephropathy | Chronic, Multifocal, Moderate |
| Liver | | Focal Cellular Change | |
| | Bile Duct | Hyperplasia | Multifocal, Minimal |
| Pancreas | Acinus | Atrophy | Multifocal, Moderate |
| | Acinus | Hyperplasia | Focal, Marked |
| Pituitary Gland | Pars Distalis | Hyperplasia | Focal, Mild |
| Seminal Vesicle | | Atrophy | Diffuse, Moderate |
| Spinal Cord | | Cyst | Mild |
| Spleen | | Atrophy | Focal, Mild |
| Note: ATROPHY | TGLs = 2-3 | | |
| Testes | Interstit Cell | Adenoma | Multiple |
| Note: ADENOMA | TGLs = 1-5 | | |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014

Time Report Requested: 14:14:33

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 14

TRT#: 1

SEX: Male

DAY ON TEST: 637

DOSE: VEHICLE CONTROL

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|-------------------------|---------------------------|-------------------------|-------------------------|
| Adrenal Gland - Cortex | Adrenal Gland - Medulla | Bone | Bone Marrow |
| Brain | Epididymis | Intestine Large - Cecum | Intestine Large - Colon |
| Intestine Small - Ileum | Intestine Small - Jejunum | Islets, Pancreatic | Larynx |
| Lymph Node - Mesenteric | Parathyroid Gland | Pituitary Gland | Preputial Gland |
| Prostate | Salivary Glands | Skin | Spinal Cord |
| Spleen | Stomach - Glandular | Thymus | Thyroid Gland |
| Trachea | Urinary Bladder | | |

MISSING

| | |
|--------------------------|---------------|
| Intestine Large - Rectum | Mammary Gland |
|--------------------------|---------------|

AUTO PRECLUDES DIAG.

| | |
|----------------------------|----------|
| Intestine Small - Duodenum | Pancreas |
|----------------------------|----------|

OBSERVATIONS

| | | | |
|----------------------------------|----------------|----------------------------|-----------------------------|
| Esophagus | | Inflammation | Subacute, Moderate |
| Eye | Sclera | Metaplasia | Osseous, Multifocal, Mild |
| Heart | | Cardiomyopathy | Multifocal, Mild |
| Kidney | | Nephropathy | Chronic, Multifocal, Mild |
| Liver | | Hepatodiaphragmatic Nodule | |
| | Bile Duct | Hyperplasia | Multifocal, Mild |
| Note: ANOM HEPAT LOB TGLs = 3-3 | | | |
| Lung | | Foreign Body | Mild |
| | | Inflammation | Acute, Multifocal, Moderate |
| Lymph Node | Mandibular | Hyperplasia | Plasma Cell, Minimal |
| Note: HYPERPLASIA TGLs = 4-2 | | | |
| Nose | Mucosa | Inflammation | Acute, Multifocal, Mild |
| | Mucosa | Squamous Cell Carcinoma | |
| Note: SQUAM CEL CARC TGLs = 6-11 | | | |
| Seminal Vesicle | | Atrophy | Diffuse, Moderate |
| Stomach | Forestomach | Hyperplasia | Squamous, Multifocal, Mild |
| Note: HYPERPLASIA TGLs = 5-8 | | | |
| Testes | Interstit Cell | Adenoma | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014
Time Report Requested: 14:14:33
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 14

TRT#: 1

SEX: Male

DAY ON TEST: 637

DOSE: VEHICLE CONTROL

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Atrophy

Diffuse, Mild

Note: ADENOMA TGLs = 1-5

Note: ATROPHY TGLs = 2-5

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014
Time Report Requested: 14:14:33
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 15

TRT#: 1

SEX: Male

DAY ON TEST: 558

DOSE: VEHICLE CONTROL

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

| | | | |
|-------------------|----------------|-------------|---------------------------|
| Adrenal Gland | Cortex | Hemorrhage | Marked |
| | Medulla | Hemorrhage | Marked |
| Note: HEMORRHAGE | TGLs = 2-12 | | |
| Note: HEMORRHAGE | TGLs = 2-12 | | |
| Eye | Sclera | Metaplasia | Osseous, Focal, Mild |
| Kidney | | Nephropathy | Chronic, Multifocal, Mild |
| Liver | Bile Duct | Hyperplasia | Multifocal, Mild |
| Note: HYPERPLASIA | TGLs = 1-3 | | |
| Testes | Interstit Cell | Adenoma | Multiple |
| Note: ADENOMA | TGLs = 4-5 | | |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014
Time Report Requested: 14:14:33
First Dose M/F: NA / NA
Lab: MBA

| | | | |
|----------------------|------------------------------|-----------------------|-------------------------|
| ANIMAL ID: 16 | TRT#: 1 | SEX: Male | DAY ON TEST: 695 |
| | DOSE: VEHICLE CONTROL | DISP: Moribund | HISTO: |

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

| | | | |
|---------------------------|--------------|-------------------------|---------------------------|
| Adrenal Gland | Cortex | Leukemia Mononuclear | |
| | Medulla | Leukemia Mononuclear | |
| | Medulla | Pheochromocytoma Benign | Multiple |
| Bone Marrow | | Leukemia Mononuclear | |
| Eye | Sclera | Metaplasia | Osseous, Multifocal, Mild |
| Heart | | Cardiomyopathy | Multifocal, Mild |
| Kidney | | Leukemia Mononuclear | |
| | Renal Tubule | Nephropathy | Chronic, Multifocal, Mild |
| | Bile Duct | Pigmentation | Mild |
| Liver | | Hyperplasia | Multifocal, Moderate |
| | | Hyperplasia | Focal, Mild |
| | | Leukemia Mononuclear | |
| Note: LEUKEMIA MONUC | | | |
| | | | |
| Lung | | Leukemia Mononuclear | |
| Lymph Node | Mandibular | Leukemia Mononuclear | |
| | Mesenteric | Leukemia Mononuclear | |
| Mesentery | Fat | Necrosis | Marked |
| Note: NECROSIS | | | |
| | | | |
| Pancreas | Acinus | Atrophy | Focal, Minimal |
| Pituitary Gland | | | |
| Note: BAD SECTION (NCL 5) | | | |
| Preputial Gland | | Inflammation | Chronic, Multifocal, Mild |
| Seminal Vesicle | | Atrophy | Diffuse, Marked |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014
Time Report Requested: 14:14:33
First Dose M/F: NA / NA
Lab: MBA

| | | | |
|----------------------|------------------------------|-----------------------|-------------------------|
| ANIMAL ID: 16 | TRT#: 1 | SEX: Male | DAY ON TEST: 695 |
| | DOSE: VEHICLE CONTROL | DISP: Moribund | HISTO: |

ORGAN AND ACCOUNTABLE SITE STATUS

| | | | |
|------------------------|----------------|----------------------------------|----------------------|
| Spleen | | Fibrosis Leukemia Mononuclear | Focal, Marked |
| Note: LEUKEMIA MONUC | TGLs = 1-3 | | |
| Note: FIBROSIS | TGLs = 6-3 | | |
| Testes | Interstit Cell | Adenoma Atrophy | Mild |
| Note: ADENOMA | TGLs = 3-5 | | |
| Thymus | | Leukemia Mononuclear | |
| Note: LEUKEMIA MONUC | TGLs = 7-2 | | |
| Thyroid Gland | C Cell | Hyperplasia | Multifocal, Moderate |
| PRIMARY CAUSE OF DEATH | - | | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014
Time Report Requested: 14:14:34
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 17

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Thymus

OBSERVATIONS

| | | | |
|-----------------|----------------|-------------------------|---------------------------|
| Adrenal Gland | Medulla | Pheochromocytoma Benign | |
| Eye | Sclera | Metaplasia | Osseous, Multifocal, Mild |
| Heart | | Cardiomyopathy | Multifocal, Moderate |
| Kidney | | Nephropathy | Chronic, Multifocal, Mild |
| Liver | | Degeneration | Cystic, Focal, Minimal |
| | | Focal Cellular Change | |
| | Bile Duct | Hyperplasia | Multifocal, Mild |
| Lung | Alveolar Epith | Hyperplasia | Focal, Marked |
| Pituitary Gland | Pars Distalis | Hemorrhage | Mild |
| Prostate | | Hyperplasia | Focal, Minimal |
| Seminal Vesicle | | Atrophy | Diffuse, Marked |
| Testes | Interstit Cell | Adenoma | Multiple |

Note: ADENOMA TGLs = 1-5

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014

Time Report Requested: 14:14:34

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 18

TRT#: 1

SEX: Male

DAY ON TEST: 638

DOSE: VEHICLE CONTROL

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

| | | | |
|-------------------------------|----------------|----------------------------------|-------------------------------|
| Brain | Hypothalamus | Compression | Mild |
| Eye | Sclera | Metaplasia | Osseous, Focal, Minimal |
| Heart | | Cardiomyopathy | Multifocal, Mild |
| Kidney | | Nephropathy | Chronic, Multifocal, Moderate |
| Note: NEPHROPATHY TGLs = 1-4 | | | |
| Liver | | Fatty Change | Minimal |
| | Bile Duct | Hyperplasia | Multifocal, Minimal |
| Lung | Alveolar Epith | Hyperplasia | Focal, Moderate |
| Note: HYPERPLASIA TGLs = 3-13 | | | |
| Mammary Gland | Duct | Ectasia | Moderate |
| Pituitary Gland | Pars Distalis | Adenoma | |
| Note: ADENOMA TGLs = 2-1 | | | |
| Preputial Gland | | Inflammation | Acute, Multifocal, Mild |
| Seminal Vesicle | | Dilatation | Mild |
| | | Inflammation | Chronic, Multifocal, Mild |
| Note: DILATATION TGLs = 4-5 | | | |
| Spleen | | Hematopoietic Cell Proliferation | Mild |
| Stomach | Forestomach | Ulcer | Mild |
| Note: ULCER TGLs = 5-13 | | | |
| Thyroid Gland | C Cell | Hyperplasia | Multifocal, Mild |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014
Time Report Requested: 14:14:34
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 19 **TRT#:** 1 **SEX:** Male **DAY ON TEST:** 729
DOSE: VEHICLE CONTROL **DISP:** Terminal Sacrifice **HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Lymph Node - Mesenteric

OBSERVATIONS

| | | | |
|---------------------------------|----------------|-----------------------|-------------------------------|
| Adrenal Gland | Cortex | Degeneration | Focal, Minimal |
| Eye | Sclera | Metaplasia | Osseous, Multifocal, Mild |
| Heart | | Cardiomyopathy | Multifocal, Mild |
| Kidney | | Nephropathy | Chronic, Multifocal, Moderate |
| Liver | | Focal Cellular Change | |
| | Bile Duct | Hyperplasia | Multifocal, Mild |
| Nose | Mucosa | Inflammation | Acute, Multifocal, Minimal |
| Pancreas | Acinus | Atrophy | Focal, Mild |
| Pituitary Gland | Pars Distalis | Adenoma | |
| Skin | Subcut Tiss | Fibroma | |
| Note: FIBROMA TGLs = 1-12 | | | |
| Testes | Interstit Cell | Adenoma | Multiple |
| Note: ADENOMA TGLs = 2,3-5 | | | |
| Thyroid Gland | C Cell | Adenoma | |
| | C Cell | Hyperplasia | Focal, Mild |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014
Time Report Requested: 14:14:34
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 20

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Intestine Large - Rectum

OBSERVATIONS

| | | | |
|-----------------|----------------|-------------------------|-------------------------------|
| Adrenal Gland | Medulla | Pheochromocytoma Benign | |
| Eye | Sclera | Metaplasia | Osseous, Multifocal, Moderate |
| Heart | | Cardiomyopathy | Multifocal, Mild |
| Kidney | | Nephropathy | Chronic, Multifocal, Mild |
| Liver | Bile Duct | Hyperplasia | Multifocal, Minimal |
| | | Inflammation | Chronic, Multifocal, Mild |
| Nose | Nasolacrim Dct | Inflammation | Chronic, Minimal |
| Pancreas | Artery | Inflammation | Chronic, Mild |
| Preputial Gland | | Inflammation | Chronic, Multifocal, Mild |
| Prostate | | Inflammation | Chronic, Focal, Mild |
| Seminal Vesicle | | Atrophy | Diffuse, Mild |
| Skin | | | |
| Note: NCL - 1 | | | |
| Testes | Interstit Cell | Adenoma | Multiple |
| Note: ADENOMA | TGLs = 2-5 | | |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014
Time Report Requested: 14:14:34
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 21

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

| | | |
|------------------------|-------------------------|-------------------|
| Adrenal Gland - Cortex | Adrenal Gland - Medulla | Parathyroid Gland |
|------------------------|-------------------------|-------------------|

OBSERVATIONS

| | | | |
|--------------------|----------------|-----------------------|-------------------------------|
| Eye | Sclera | Metaplasia | Osseous, Multifocal, Mild |
| Islets, Pancreatic | | Adenoma | |
| Kidney | | Nephropathy | Chronic, Multifocal, Moderate |
| Liver | | Focal Cellular Change | |
| | Bile Duct | Hyperplasia | Multifocal, Mild |
| Mammary Gland | Duct | Ectasia | Mild |
| | Acinus | Hyperplasia | Focal, Moderate |
| Pancreas | Acinus | Atrophy | Multifocal, Mild |
| Pituitary Gland | Pars Distalis | Adenoma | |
| Preputial Gland | | Inflammation | Chronic, Multifocal, Mild |
| Testes | Interstit Cell | Adenoma | Multiple |

Note: ADENOMA TGLs = 1-5,12

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014
Time Report Requested: 14:14:34
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 22

TRT#: 1

SEX: Male

DAY ON TEST: 634

DOSE: VEHICLE CONTROL

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Parathyroid Gland

OBSERVATIONS

| | | | |
|----------------------|---------------|----------------------|---------------------------|
| Adrenal Gland | Cortex | Leukemia Mononuclear | |
| | Medulla | Leukemia Mononuclear | |
| Bone Marrow | | Leukemia Mononuclear | |
| Eye | Retina | Atrophy | Mild |
| | Lens | Cataract | Mild |
| | Sclera | Metaplasia | Osseous, Focal, Minimal |
| Note: CATARACT | TGLs = 3-12 | | |
| Heart | | Leukemia Mononuclear | |
| Kidney | | Nephropathy | Chronic, Multifocal, Mild |
| Liver | Bile Duct | Hyperplasia | Multifocal, Mild |
| | | Leukemia Mononuclear | |
| Note: LEUKEMIA MONUC | TGLs = 2-3 | | |
| Lung | | Leukemia Mononuclear | |
| Lymph Node | Mandibular | Leukemia Mononuclear | |
| | Mesenteric | Leukemia Mononuclear | |
| | Pancreatic | Leukemia Mononuclear | |
| Note: LEUKEMIA MONUC | TGLs = 4-8 | | |
| Nose | | Fungus | Mild |
| | Mucosa | Inflammation | Acute, Focal, Moderate |
| Pituitary Gland | Pars Distalis | Hyperplasia | Focal, Marked |
| | | Leukemia Mononuclear | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014
Time Report Requested: 14:14:34
First Dose M/F: NA / NA
Lab: MBA

| | | | |
|----------------------|------------------------------|-----------------------|-------------------------|
| ANIMAL ID: 22 | TRT#: 1 | SEX: Male | DAY ON TEST: 634 |
| | DOSE: VEHICLE CONTROL | DISP: Moribund | HISTO: |

ORGAN AND ACCOUNTABLE SITE STATUS

| | | | |
|-----------------------------------|----------------|----------------------|--------------------|
| [Hyperplasia TGLs = 5-1] | | | |
| Preputial Gland | | Inflammation | Acute, Focal, Mild |
| Skin | | | |
| Note: NCL 7-5 | | | |
| Spleen | | Leukemia Mononuclear | |
| Note: LEUKEMIA MONUC TGLs = 1,6-3 | | | |
| Testes | Interstit Cell | Hyperplasia | Multifocal, Mild |
| Thyroid Gland | C Cell | Adenoma | |
| | C Cell | Carcinoma | |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014
Time Report Requested: 14:14:34
First Dose M/F: NA / NA
Lab: MBA

| | | | |
|----------------------|------------------------------|---------------------------------|-------------------------|
| ANIMAL ID: 23 | TRT#: 1 | SEX: Male | DAY ON TEST: 729 |
| | DOSE: VEHICLE CONTROL | DISP: Terminal Sacrifice | HISTO: |

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|--------------------------|----------------------------|-------------------------|---------------------------|
| Adrenal Gland - Medulla | Bone | Bone Marrow | Brain |
| Epididymis | Esophagus | Intestine Large - Cecum | Intestine Large - Colon |
| Intestine Large - Rectum | Intestine Small - Duodenum | Intestine Small - Ileum | Intestine Small - Jejunum |
| Islets, Pancreatic | Larynx | Lymph Node - Mandibular | Lymph Node - Mesenteric |
| Mammary Gland | Nose | Parathyroid Gland | Pituitary Gland |
| Preputial Gland | Salivary Glands | Spinal Cord | Spleen |
| Stomach - Forestomach | Stomach - Glandular | Thymus | Trachea |

OBSERVATIONS

| | | | |
|-----------------|------------------|-----------------------|-------------------------------|
| Adrenal Gland | Cortex | Degeneration | Focal, Mild |
| Eye | Sclera | Metaplasia | Osseous, Multifocal, Mild |
| Heart | | Cardiomyopathy | Multifocal, Mild |
| Kidney | | Nephropathy | Chronic, Multifocal, Moderate |
| Liver | | Focal Cellular Change | |
| | Bile Duct | Hyperplasia | Multifocal, Mild |
| Lung | Interstitium | Inflammation | Chronic, Multifocal, Mild |
| Pancreas | Acinus | Atrophy | Focal, Minimal |
| | Acinus | Focal Cellular Change | |
| Prostate | | Hyperplasia | Focal, Mild |
| Seminal Vesicle | | Atrophy | Diffuse, Moderate |
| Skin | Subcut Tiss | Fibroma | Multiple |
| Note: FIBROMA | TGLs = 1,4-13,12 | | |
| Testes | Interstit Cell | Adenoma | Multiple |
| Note: ADENOMA | TGLs = 2,3-5 | | |
| Thyroid Gland | C Cell | Carcinoma | |
| Urinary Bladder | Transit Epithe | Papilloma | |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014
Time Report Requested: 14:14:34
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 24

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

| | | | |
|----------------------|----------------|----------------------------------|----------------------------------|
| Adrenal Gland | Cortex | Hyperplasia | Focal, Minimal |
| | Medulla | Pheochromocytoma Benign | |
| Bone Marrow | | Hyperplasia | Mild |
| Eye | Sclera | Metaplasia | Osseous, Focal, Minimal |
| Heart | | Cardiomyopathy | Multifocal, Minimal |
| Kidney | | Nephropathy | Chronic, Multifocal, Mild |
| Liver | | Hematopoietic Cell Proliferation | Multifocal, Mild |
| | Bile Duct | Hyperplasia | Multifocal, Moderate |
| Lung | | Infiltration Cellular | Histiocyte, Multifocal, Minimal |
| Lymph Node | Mandibular | Degeneration | Cystic, Mild |
| Mammary Gland | Duct | Ectasia | Mild |
| Nose | | Fungus | Mild |
| | Mucosa | Inflammation | Chronic Active, Multifocal, Mild |
| | Mucosa | Metaplasia | Squamous, Multifocal, Mild |
| Pancreas | Acinus | Atrophy | Focal, Mild |
| Pituitary Gland | Pars Distalis | Adenoma | |
| Preputial Gland | | Adenoma | |
| Note: ADENOMA | TGLs = 1-8 | | |
| Skin | | Keratoacanthoma | |
| Note: KERATOACANTHMA | TGLs = 2-13 | | |
| Spleen | | Hematopoietic Cell Proliferation | Mild |
| Testes | Interstit Cell | Adenoma | Multiple |
| Note: ADENOMA | TGLs = 3-5 | | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014
Time Report Requested: 14:14:34
First Dose M/F: NA / NA
Lab: MBA

| | | | |
|----------------------|------------------------------|---------------------------------|-------------------------|
| ANIMAL ID: 24 | TRT#: 1 | SEX: Male | DAY ON TEST: 729 |
| | DOSE: VEHICLE CONTROL | DISP: Terminal Sacrifice | HISTO: |

ORGAN AND ACCOUNTABLE SITE STATUS

| | | |
|---------------|--------|---------|
| Thyroid Gland | C Cell | Adenoma |
|---------------|--------|---------|

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

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014

Time Report Requested: 14:14:34

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 25

TRT#: 1

SEX: Male

DAY ON TEST: 659

DOSE: VEHICLE CONTROL

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|--------------------------|----------------------------|-------------------------|---------------------------|
| Adrenal Gland - Cortex | Blood | Brain | Epididymis |
| Esophagus | Eye | Intestine Large - Cecum | Intestine Large - Colon |
| Intestine Large - Rectum | Intestine Small - Duodenum | Intestine Small - Ileum | Intestine Small - Jejunum |
| Islets, Pancreatic | Larynx | Lung | Lymph Node - Mandibular |
| Mammary Gland | Nose | Pancreas | Prostate |
| Salivary Glands | Skin | Spinal Cord | Stomach - Forestomach |
| Thymus | Trachea | Urinary Bladder | |

MISSING

Parathyroid Gland

OBSERVATIONS

| | | | |
|--------------------------------|----------------|-------------------------|------------------------------|
| Adrenal Gland | Medulla | Pheochromocytoma Benign | |
| Blood | | | |
| Note: NCL - 3 | | | |
| Bone | | Hyperostosis | Mild |
| Bone Marrow | | Hyperplasia | Mild |
| Heart | | Cardiomyopathy | Multifocal, Mild |
| Kidney | | Nephropathy | Chronic, Multifocal, Mild |
| Liver | | Fatty Change | Moderate |
| | Bile Duct | Hyperplasia | Multifocal, Moderate |
| Note: FATTY CHANGE TGLs = 1-3 | | | |
| Lymph Node | Mesenteric | Infiltration Cellular | Histiocyte, Mild |
| Mesentery | | Inflammation | Chronic, Multifocal, Mild |
| Note: INFLAMMATION TGLs = 4-12 | | | |
| Pituitary Gland | Pars Distalis | Hyperplasia | Focal, Minimal |
| Preputial Gland | | Inflammation | Chronic, Multifocal, Minimal |
| Seminal Vesicle | | Atrophy | Diffuse, Moderate |
| Spleen | | Fibrosis | Diffuse, Mild |
| Stomach | Glandular | Ulcer | Moderate |
| Testes | Interstit Cell | Adenoma | Multiple |
| Note: ADENOMA TGLs = 2-5 | | | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014
Time Report Requested: 14:14:34
First Dose M/F: NA / NA
Lab: MBA

| | | | |
|----------------------|------------------------------|-------------------|-------------------------|
| ANIMAL ID: 25 | TRT#: 1 | SEX: Male | DAY ON TEST: 659 |
| | DOSE: VEHICLE CONTROL | DISP: Dead | HISTO: |

ORGAN AND ACCOUNTABLE SITE STATUS

| | | |
|------------------------|--------|---------|
| Thyroid Gland | C Cell | Adenoma |
| PRIMARY CAUSE OF DEATH | - | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014

Time Report Requested: 14:14:34

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 26

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|----------------------------|-------------------------|---------------------------|--------------------------|
| Bone | Bone Marrow | Brain | Epididymis |
| Esophagus | Intestine Large - Cecum | Intestine Large - Colon | Intestine Large - Rectum |
| Intestine Small - Duodenum | Intestine Small - Ileum | Intestine Small - Jejunum | Larynx |
| Lung | Lymph Node - Mandibular | Mammary Gland | Nose |
| Parathyroid Gland | Preputial Gland | Prostate | Salivary Glands |
| Spinal Cord | Spleen | Stomach - Forestomach | Stomach - Glandular |
| Thymus | Trachea | Urinary Bladder | |

OBSERVATIONS

| | | | |
|---------------------------------|----------------|-------------------------|-------------------------------|
| Adrenal Gland | Cortex | Hyperplasia | Focal, Mild |
| | Medulla | Hyperplasia | Focal, Minimal |
| Eye | Retina | Atrophy | Marked |
| | Lens | Cataract | Marked |
| | Sclera | Metaplasia | Osseous, Focal, Minimal |
| Note: CATARACT TGLs = 2-13 | | | |
| Heart | | Cardiomyopathy | Multifocal, Mild |
| Islets, Pancreatic | | Carcinoma | |
| Kidney | | Nephropathy | Chronic, Multifocal, Moderate |
| Liver | | Focal Cellular Change | |
| | Bile Duct | Hyperplasia | Multifocal, Minimal |
| | | Inflammation | Chronic, Multifocal, Mild |
| Lymph Node | Mesenteric | Infiltration Cellular | Histiocyte, Moderate |
| Pancreas | Acinus | Atrophy | Multifocal, Mild |
| Pituitary Gland | Pars Distalis | Cyst | Mild |
| Seminal Vesicle | | Atrophy | Diffuse, Moderate |
| Skin | Subcut Tiss | Fibrosis | Focal, Moderate |
| | | Squamous Cell Papilloma | |
| Note: PAPILOMA SQUA TGLs = 1-12 | | | |
| Spleen | | | |
| Note: NCL 3-3 | | | |
| Testes | Interstit Cell | Adenoma | Multiple |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014

Time Report Requested: 14:14:34

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 26

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Note: ADENOMA TGLs = 4-5

Thyroid Gland

C Cell

Hyperplasia

Focal, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014
Time Report Requested: 14:14:34
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 27

TRT#: 1

SEX: Male

DAY ON TEST: 717

DOSE: VEHICLE CONTROL

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Parathyroid Gland

OBSERVATIONS

| | | | |
|------------------------|----------------|-----------------------|-----------------------------|
| Adrenal Gland | Cortex | Degeneration | Focal, Mild |
| | Medulla | Hyperplasia | Multifocal, Moderate |
| Eye | Sclera | Metaplasia | Osseous, Multifocal, Mild |
| Heart | | Cardiomyopathy | Multifocal, Mild |
| Kidney | | Nephropathy | Chronic, Multifocal, Marked |
| Note: NEPHROPATHY | TGLs = 3-4 | | |
| Liver | | Degeneration | Cystic, Focal, Mild |
| | | Focal Cellular Change | |
| | Bile Duct | Hyperplasia | Multifocal, Mild |
| | | Leukemia Mononuclear | |
| | | Leukemia Mononuclear | |
| Lung | | | |
| Note: LEUKEMIA MONUC | TGLs = 4-6,7 | | |
| Lymph Node | Mesenteric | Leukemia Mononuclear | |
| Pituitary Gland | Pars Distalis | Abscess | Marked |
| [Abscess TGLS = 5-1] | | | |
| Prostate | | Inflammation | Chronic, Multifocal, Mild |
| Seminal Vesicle | | Atrophy | Diffuse, Marked |
| Spleen | | Leukemia Mononuclear | |
| Testes | Interstit Cell | Adenoma | Multiple |
| Note: ADENOMA | TGLs = 1,2-5 | | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014

Time Report Requested: 14:14:34

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 27

TRT#: 1

SEX: Male

DAY ON TEST: 717

DOSE: VEHICLE CONTROL

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Thyroid Gland

C Cell

Adenoma

Multiple

Note: ADENOMA TGLs = 6-2

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014
Time Report Requested: 14:14:34
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 28

TRT#: 1

SEX: Male

DAY ON TEST: 664

DOSE: VEHICLE CONTROL

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

| | |
|-------------------------|-----------------|
| Lymph Node - Mesenteric | Pituitary Gland |
|-------------------------|-----------------|

OBSERVATIONS

| | | | |
|---|----------------|----------------------------------|-------------------------|
| Adrenal Gland | Cortex | Hematopoietic Cell Proliferation | Multifocal, Mild |
| | Medulla | Pheochromocytoma Benign | |
| Note: PHEOCHROM BGN TGLs = 3-4 | | | |
| Eye | Lens | Cataract | Marked |
| | Sclera | Metaplasia | Osseous, Focal, Minimal |
| Heart | | Cardiomyopathy | Multifocal, Mild |
| Liver | | Fatty Change | Mild |
| | Bile Duct | Hyperplasia | Multifocal, Mild |
| Nose | Mucosa | Squamous Cell Carcinoma | |
| Note: OF THE NASAL CARCINOMA | | | |
| Note: SQUAM CEL CARC TGLs = 4- | | | |
| Note: LESION DESIGNATED ABSCESS BY PROSECTOR ACTUALLY EXTENSION | | | |
| Preputial Gland | | Inflammation | Chronic, Focal, Mild |
| Seminal Vesicle | | Atrophy | Diffuse, Moderate |
| Spleen | Lymph Follic | Atrophy | Mild |
| Note: ATROPHY TGLs = 1-3 | | | |
| Testes | Interstit Cell | Adenoma | Multiple |
| | Tunic | Mesothelioma Malignant | |
| Note: ADENOMA TGLs = 2-5 | | | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014

Time Report Requested: 14:14:34

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 28

TRT#: 1

SEX: Male

DAY ON TEST: 664

DOSE: VEHICLE CONTROL

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

Animal Note: FOR TOXIC LESION EVALUATION

Animal Note: SEVERAL ORGANS WERE PARTIALLY AUTO. AND UNACCEPTABLE

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014
Time Report Requested: 14:14:34
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 29

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Parathyroid Gland

OBSERVATIONS

| | | | |
|-----------------|---------------------------------|------------------------|-------------------------------|
| Eye | Sclera | Metaplasia | Osseous, Multifocal, Moderate |
| Heart | | Cardiomyopathy | Multifocal, Minimal |
| Kidney | | Nephropathy | Chronic, Multifocal, Mild |
| Liver | | Focal Cellular Change | |
| | Bile Duct | Hyperplasia | Multifocal, Mild |
| | | Leukemia Mononuclear | |
| Lymph Node | Mandibular | Leukemia Mononuclear | |
| Mammary Gland | Duct | Ectasia | Mild |
| Nose | Mucosa | Cytoplasmic Alteration | Multifocal, Minimal |
| Pituitary Gland | Pars Distalis | Adenoma | |
| | [Adenoma TGLS = 3-1] | | |
| Spleen | | Leukemia Mononuclear | |
| | Note: LEUKEMIA MONUC TGLs = 2-3 | | |
| Testes | Interstit Cell | Adenoma | Multiple |
| | Note: ADENOMA TGLs = 1-5 | | |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014
Time Report Requested: 14:14:34
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 30

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

| | | | |
|--|---------------|-----------------------|----------------------------------|
| Bone Marrow | | Hyperplasia | Mild |
| Eye | Sclera | Metaplasia | Osseous, Focal, Minimal |
| Heart | | Cardiomyopathy | Multifocal, Mild |
| Intestine Small | Jejunum | Adenocarcinoma | |
| | Ileum | Inflammation | Chronic, Multifocal, Mild |
| | Jejunum | Inflammation | Chronic, Focal, Mild |
| Note: INFLAMMATION | TGLs = 7-15 | | |
| Note: ADENOCARC | TGLs = 5-13 | | |
| Note: THIS LESION DIAG. AS ADENOCAR. OF THE JEJUNUM HAS | | | |
| Note: EXTENSIVE OSS. METAPL. IT DESERVES BEING SEEN BY PWG | | | |
| Note: INFLAMMATION | TGLs = 6-14 | | |
| Kidney | | Nephropathy | Chronic, Multifocal, Mild |
| Liver | | Focal Cellular Change | |
| | Bile Duct | Hyperplasia | Multifocal, Mild |
| | | Leukemia Mononuclear | |
| Lymph Node | Mandibular | Degeneration | Cystic, Mild |
| Nose | Mucosa | Foreign Body | Focal, Mild |
| | | Fungus | Mild |
| | Mucosa | Inflammation | Chronic Active, Multifocal, Mild |
| Pancreas | Acinus | Atrophy | Focal, Moderate |
| Preputial Gland | | Inflammation | Chronic Active, Multifocal, Mild |
| Note: INFLAMMATION | TGLs = 1-8,12 | | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014
Time Report Requested: 14:14:34
First Dose M/F: NA / NA
Lab: MBA

| | | | |
|----------------------|------------------------------|---------------------------------|-------------------------|
| ANIMAL ID: 30 | TRT#: 1 | SEX: Male | DAY ON TEST: 729 |
| | DOSE: VEHICLE CONTROL | DISP: Terminal Sacrifice | HISTO: |

ORGAN AND ACCOUNTABLE SITE STATUS

| | | | |
|---|----------------|---------------------------|----------------------|
| Prostate | | Inflammation | Chronic, Focal, Mild |
| Skin | | Cyst Epithelial Inclusion | |
| Note: CYST EPITH INC TGLs = 3-5,8 | | | |
| Spleen | | Leukemia Mononuclear | |
| Note: LEUKEMIA MONUC TGLs = 4-3 | | | |
| Testes | Interstit Cell | Adenoma | Multiple |
| | | Granuloma Sperm | Mild |
| Note: ADENOMA TGLs = 2-5 | | | |
| Note: THE GROSS LESIONS WERE REVIEWED BY THE TRIMMER. THE | | | |
| Note: SCROTAL LESION WAS IN (8) AND | | | |
| Note: THE PREPUTIAL GLAND LESION IN BLOCK (12). | | | |
| Thyroid Gland | C Cell | Adenoma | |
| | Follicle | Adenoma | |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014
Time Report Requested: 14:14:34
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 31

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

| | | | |
|------------------------|----------------|----------------------------|-------------------------------|
| Eye | Retina | Atrophy | Moderate |
| | Sclera | Metaplasia | Osseous, Focal, Minimal |
| Heart | | Cardiomyopathy | Multifocal, Mild |
| Kidney | | Nephropathy | Chronic, Multifocal, Moderate |
| Note: NEPHROPATHY | TGLs = 2-4 | | |
| Liver | | Focal Cellular Change | |
| | | Hepatodiaphragmatic Nodule | |
| | Bile Duct | Hyperplasia | Multifocal, Mild |
| Note: NCL-4 | | | |
| Note: ANOM HEPAT LOB | TGLs = 3-3 | | |
| Pituitary Gland | Pars Distalis | Adenoma | |
| [Adenoma TGLS = 5-1] | | | |
| Prostate | | Hyperplasia | Focal, Minimal |
| Seminal Vesicle | | Atrophy | Diffuse, Moderate |
| Testes | Interstit Cell | Adenoma | Multiple |
| Note: ADENOMA | TGLs = 1-5 | | |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014

Time Report Requested: 14:14:34

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 32

TRT#: 1

SEX: Male

DAY ON TEST: 684

DOSE: VEHICLE CONTROL

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|----------------------------|-------------------------|---------------------------|--------------------------|
| Bone Marrow | Brain | Epididymis | Esophagus |
| Heart | Intestine Large - Cecum | Intestine Large - Colon | Intestine Large - Rectum |
| Intestine Small - Duodenum | Intestine Small - Ileum | Intestine Small - Jejunum | Islets, Pancreatic |
| Larynx | Lymph Node - Mandibular | Nose | Pancreas |
| Parathyroid Gland | Pituitary Gland | Prostate | Salivary Glands |
| Skin | Spinal Cord | Stomach - Glandular | Thyroid Gland |
| Trachea | Urinary Bladder | | |

MISSING

| | | |
|---------------|-----------------------|--------|
| Mammary Gland | Stomach - Forestomach | Thymus |
|---------------|-----------------------|--------|

OBSERVATIONS

| | | | |
|--|-------------------|---|------------------------------|
| Adrenal Gland | Cortex Medulla | Degeneration Pheochromocytoma Benign | Focal, Minimal |
| Bone | | Hyperostosis Leukemia Mononuclear | Moderate |
| Eye | Sclera | Metaplasia | Osseous, Focal, Minimal |
| Kidney | | Nephropathy | Chronic, Multifocal, Minimal |
| Liver | | Hyperplasia Leukemia Mononuclear | Focal, Mild |
| Note: [HYPERPLASIA] TGLs = 3-12 | | | |
| Note: AS NEOPLASTIC NODULE | | | |
| Note: MINIMALLY COMPRESSING LESION WITHOUT BILE DUCT, DIAG | | | |
| Note: LEUKEMIA MONUC TGLs = 4-3 | | | |
| Lung | | Leukemia Mononuclear | |
| Lymph Node | Mesenteric | Leukemia Mononuclear | |
| Preputial Gland | | Inflammation | Chronic, Multifocal, Mild |
| Seminal Vesicle | | Atrophy | Diffuse, Moderate |
| Spleen | | Leukemia Mononuclear | |
| Note: LEUKEMIA MONUC TGLs = 1-3 | | | |
| Testes | Interstit Cell | Adenoma Atrophy | Diffuse, Moderate |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014

Time Report Requested: 14:14:34

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 32

TRT#: 1

SEX: Male

DAY ON TEST: 684

DOSE: VEHICLE CONTROL

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Note: ADENOMA TGLs = 2-5

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014

Time Report Requested: 14:14:34

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 33

TRT#: 1

SEX: Male

DAY ON TEST: 512

DOSE: VEHICLE CONTROL

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

| | | | |
|----------------------|----------------|----------------------|----------------------------------|
| Bone Marrow | | Leukemia Mononuclear | |
| Kidney | | Leukemia Mononuclear | |
| Note: LEUKEMIA MONUC | TGLs = 5-4 | | |
| Liver | | Leukemia Mononuclear | |
| Note: LEUKEMIA MONUC | TGLs = 3-3 | | |
| Lung | | Leukemia Mononuclear | |
| Lymph Node | Mandibular | Leukemia Mononuclear | |
| | Mesenteric | Leukemia Mononuclear | |
| Note: LEUKEMIA MONUC | TGLs = 1-2 | | |
| Nose | | Fungus | Mild |
| | Mucosa | Inflammation | Chronic Active, Multifocal, Mild |
| Preputial Gland | | Inflammation | Chronic, Focal, Mild |
| Spleen | | Leukemia Mononuclear | |
| Note: LEUKEMIA MONUC | TGLs = 2-3 | | |
| Testes | Interstit Cell | Hyperplasia | Multifocal, Mild |
| Thymus | | Leukemia Mononuclear | |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014
Time Report Requested: 14:14:34
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 34

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland

OBSERVATIONS

| | | | |
|------------------------|----------------|-----------------------|---------------------------------|
| Adrenal Gland | Cortex | Hyperplasia | Focal, Mild |
| Eye | Retina | Atrophy | Minimal |
| Heart | | Cardiomyopathy | Multifocal, Mild |
| Kidney | | Nephropathy | Chronic, Multifocal, Moderate |
| Note: NEPHROPATHY | TGLs = 2-4 | | |
| Liver | | Focal Cellular Change | |
| | Bile Duct | Hyperplasia | Multifocal, Mild |
| Lung | | Foreign Body | Mild |
| | | Inflammation | Granulomatous, Multifocal, Mild |
| Pancreas | Acinus | Atrophy | Focal, Mild |
| Pituitary Gland | Pars Distalis | Adenoma | |
| [Adenoma TGLS = 3-1] | | | |
| Seminal Vesicle | | Atrophy | Diffuse, Mild |
| Testes | Interstit Cell | Adenoma | Multiple |
| Note: ADENOMA | TGLs = 1-5 | | |
| Thyroid Gland | C Cell | Adenoma | |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014
Time Report Requested: 14:14:34
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 35

TRT#: 1

SEX: Male

DAY ON TEST: 625

DOSE: VEHICLE CONTROL

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|--------------------------|----------------------------|-------------------------|---------------------------|
| Adrenal Gland - Cortex | Adrenal Gland - Medulla | Bone | Brain |
| Epididymis | Esophagus | Intestine Large - Cecum | Intestine Large - Colon |
| Intestine Large - Rectum | Intestine Small - Duodenum | Intestine Small - Ileum | Intestine Small - Jejunum |
| Larynx | Nose | Parathyroid Gland | Pituitary Gland |
| Prostate | Salivary Glands | Skin | Spinal Cord |
| Stomach - Forestomach | Stomach - Glandular | Thyroid Gland | Trachea |
| Urinary Bladder | | | |

MISSING

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

OBSERVATIONS

| | | | |
|---------------------------------|--------------|----------------------|---------------------------|
| Bone Marrow | | Leukemia Mononuclear | |
| Eye | Retina | Atrophy | Minimal |
| | Sclera | Metaplasia | Osseous, Multifocal, Mild |
| Heart | | Leukemia Mononuclear | |
| Islets, Pancreatic | | Hyperplasia | Focal, Mild |
| Kidney | | Nephropathy | Chronic, Multifocal, Mild |
| | Renal Tubule | Pigmentation | Moderate |
| Liver | | Degeneration | Cystic, Focal, Mild |
| | Bile Duct | Hyperplasia | Multifocal, Moderate |
| | | Leukemia Mononuclear | |
| Note: LEUKEMIA MONUC TGLs = 3-3 | | | |
| Lung | | Leukemia Mononuclear | |
| Lymph Node | Mandibular | Leukemia Mononuclear | |
| | Mesenteric | Leukemia Mononuclear | |
| Mesentery | Fat | Necrosis | Mild |
| Note: NECROSIS TGLs = 4-13 | | | |
| Pancreas | Acinus | Atrophy | Focal, Mild |
| Preputial Gland | | Inflammation | Chronic, Multifocal, Mild |
| Seminal Vesicle | | Atrophy | Diffuse, Moderate |
| Spleen | | Leukemia Mononuclear | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014

Time Report Requested: 14:14:34

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 35

TRT#: 1

SEX: Male

DAY ON TEST: 625

DOSE: VEHICLE CONTROL

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Note: LEUKEMIA MONUC TGLs = 1-3

Testes

Interstit Cell

Adenoma

Note: ADENOMA TGLs = 2-5

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014
Time Report Requested: 14:14:34
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 36

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|-------------------------|---------------------------|--------------------------|----------------------------|
| Bone | Brain | Epididymis | Esophagus |
| Intestine Large - Cecum | Intestine Large - Colon | Intestine Large - Rectum | Intestine Small - Duodenum |
| Intestine Small - Ileum | Intestine Small - Jejunum | Islets, Pancreatic | Larynx |
| Lymph Node - Mandibular | Mammary Gland | Parathyroid Gland | Pituitary Gland |
| Preputial Gland | Prostate | Skin | Spinal Cord |
| Stomach - Forestomach | Stomach - Glandular | Thymus | Trachea |
| Urinary Bladder | | | |

OBSERVATIONS

| | | | |
|--------------------------------------|----------------|----------------------------------|---------------------------|
| Adrenal Gland | Cortex | Hematopoietic Cell Proliferation | Multifocal, Mild |
| | Medulla | Pheochromocytoma Benign | |
| Note: PHEOCHROM BGN TGLs = 5-4 | | | |
| Bone Marrow | | Leukemia Mononuclear | |
| Eye | Retina | Atrophy | Minimal |
| | Sclera | Metaplasia | Osseous, Focal, Mild |
| Heart | | Cardiomyopathy | Multifocal, Mild |
| Kidney | | Nephropathy | Chronic, Multifocal, Mild |
| Liver | | Focal Cellular Change | |
| | Bile Duct | Hyperplasia | Multifocal, Minimal |
| | | Leukemia Mononuclear | |
| Lung | | Leukemia Mononuclear | |
| Lymph Node | Mesenteric | Leukemia Mononuclear | |
| Mesentery | | Mesothelioma Malignant | |
| Note: MESOTHELIO MAL TGLs = 3-16 | | | |
| Nose | Nasolacrim Dct | Inflammation | Chronic, Minimal |
| Pancreas | Acinus | Atrophy | Multifocal, Mild |
| Salivary Glands | | Schwannoma Malignant | |
| Note: [SCHWANNOMA MAL] TGLs = 1-13 | | | |
| Seminal Vesicle | | Atrophy | Diffuse, Mild |
| Spleen | | Leukemia Mononuclear | |
| Note: LEUKEMIA MONUC TGLs = 4-3 | | | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014
Time Report Requested: 14:14:34
First Dose M/F: NA / NA
Lab: MBA

| | | | |
|----------------------|------------------------------|---------------------------------|-------------------------|
| ANIMAL ID: 36 | TRT#: 1 | SEX: Male | DAY ON TEST: 729 |
| | DOSE: VEHICLE CONTROL | DISP: Terminal Sacrifice | HISTO: |

ORGAN AND ACCOUNTABLE SITE STATUS

| | | | |
|----------------------------------|-------------------------|-----------------------------------|----------|
| Testes | Interstit Cell Tunic | Adenoma Mesothelioma Malignant | Multiple |
| Note: MESOTHELIO MAL TGLs = 2-12 | | | |
| Note: MESOTHELIO MAL TGLs = 2-4 | | | |
| Note: ADENOMA TGLs = 2-5 | | | |
| Thyroid Gland | C Cell | Adenoma | |
| PRIMARY CAUSE OF DEATH | - | | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014
Time Report Requested: 14:14:34
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 37

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland

OBSERVATIONS

| | | | |
|----------|----------------|-----------------------|---------------------------------|
| Eye | Retina | Atrophy | Mild |
| | Lens | Cataract | Moderate |
| | Sclera | Metaplasia | Osseous, Focal, Minimal |
| Heart | | Cardiomyopathy | Multifocal, Moderate |
| Kidney | | Nephropathy | Chronic, Multifocal, Moderate |
| Liver | | Focal Cellular Change | |
| | Bile Duct | Hyperplasia | Multifocal, Mild |
| Lung | | Infiltration Cellular | Histiocyte, Multifocal, Minimal |
| Nose | Mucosa | Inflammation | Chronic, Multifocal, Mild |
| Prostate | | Inflammation | Acute, Focal, Moderate |
| Skin | | Inflammation | Chronic, Focal, Mild |
| Testes | Interstit Cell | Adenoma | Multiple |

Note: ADENOMA TGLs = 1-5

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014

Time Report Requested: 14:14:34

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 38

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Thymus

OBSERVATIONS

| | | | |
|-------------------|----------------|-------------------------|----------------------------------|
| Adrenal Gland | Cortex | Hyperplasia | Focal, Mild |
| | Medulla | Pheochromocytoma Benign | Multiple |
| Eye | Retina | Atrophy | Mild |
| | Lens | Cataract | Mild |
| | Sclera | Metaplasia | Osseous, Focal, Minimal |
| Heart | | Cardiomyopathy | Multifocal, Mild |
| Kidney | | Nephropathy | Chronic, Multifocal, Moderate |
| Note: NEPHROPATHY | TGLs = 1-4 | | |
| Liver | | Focal Cellular Change | |
| | Bile Duct | Hyperplasia | Multifocal, Mild |
| Lung | | Infiltration Cellular | Histiocyte, Multifocal, Minimal |
| Nose | | Fungus | Mild |
| | Mucosa | Inflammation | Chronic Active, Multifocal, Mild |
| Pancreas | Acinus | Atrophy | Multifocal, Mild |
| Pituitary Gland | Pars Intermed | Cyst | |
| Note: CYST | TGLs = 2-1 | | |
| Testes | Interstit Cell | Adenoma | |
| | Interstit Cell | Hyperplasia | Multifocal, Mild |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014

Time Report Requested: 14:14:34

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 38

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Animal Note: PROCESSOR MALFUNCTION

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014

Time Report Requested: 14:14:34

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 39

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland

OBSERVATIONS

| | | | |
|------------------------------|----------------|-------------------------|-------------------------------|
| Adrenal Gland | Medulla | Pheochromocytoma Benign | |
| Eye | Retina | Atrophy | Mild |
| | Sclera | Metaplasia | Osseous, Multifocal, Mild |
| Heart | | Cardiomyopathy | Multifocal, Moderate |
| Kidney | | Nephropathy | Chronic, Multifocal, Moderate |
| Note: NEPHROPATHY TGLs = 1-4 | | | |
| Liver | | Focal Cellular Change | |
| | Bile Duct | Hyperplasia | Multifocal, Mild |
| Lung | | Fibrosis | Focal, Minimal |
| Nose | | Foreign Body | Mild |
| | Mucosa | Inflammation | Subacute, Focal, Minimal |
| | Nasolacrim Dct | Inflammation | Chronic, Mild |
| Thyroid Gland | C Cell | Adenoma | |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014
Time Report Requested: 14:14:34
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 40

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|---------------------------|--------------------------|----------------------------|-------------------------|
| Adrenal Gland - Cortex | Adrenal Gland - Medulla | Bone | Bone Marrow |
| Brain | Epididymis | Esophagus | Intestine Large - Cecum |
| Intestine Large - Colon | Intestine Large - Rectum | Intestine Small - Duodenum | Intestine Small - Ileum |
| Intestine Small - Jejunum | Islets, Pancreatic | Larynx | Lung |
| Lymph Node - Mandibular | Lymph Node - Mesenteric | Nose | Parathyroid Gland |
| Pituitary Gland | Prostate | Skin | Spinal Cord |
| Spleen | Stomach - Forestomach | Stomach - Glandular | Thymus |
| Trachea | Urinary Bladder | | |

OBSERVATIONS

| | | | |
|--------------------------------|----------------|-----------------------|------------------------------|
| Eye | Sclera | Metaplasia | Osseous, Multifocal, Minimal |
| Heart | | Cardiomyopathy | Multifocal, Mild |
| Kidney | Transit Epithe | Hyperplasia | Mild |
| | | Nephropathy | Chronic, Multifocal, Minimal |
| Liver | | Focal Cellular Change | |
| | Bile Duct | Hyperplasia | Multifocal, Mild |
| Mammary Gland | | Fibroadenoma | |
| | | Inflammation | Chronic, Moderate |
| Note: FIBROADENOMA TGLs = 1-12 | | | |
| Pancreas | Acinus | Atrophy | Multifocal, Mild |
| Preputial Gland | | Inflammation | Chronic, Multifocal, Mild |
| Salivary Glands | | Hemorrhage | Focal, Mild |
| Note: HEMORRHAGE TGLs = 2-15 | | | |
| Seminal Vesicle | | Atrophy | Diffuse, Moderate |
| Testes | Interstit Cell | Adenoma | Multiple |
| Note: ADENOMA TGLs = 3-5 | | | |
| Thyroid Gland | C Cell | Adenoma | |
| | Follicle | Cyst | |

PRIMARY CAUSE OF DEATH

-

Animal Note: PROCESSOR MALFUNCTION. THORACIC FLUID NCL-4

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014
Time Report Requested: 14:14:34
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 41

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|----------------------------|-------------------------|---------------------------|--------------------------|
| Bone | Bone Marrow | Brain | Epididymis |
| Esophagus | Intestine Large - Cecum | Intestine Large - Colon | Intestine Large - Rectum |
| Intestine Small - Duodenum | Intestine Small - Ileum | Intestine Small - Jejunum | Islets, Pancreatic |
| Larynx | Lung | Lymph Node - Mandibular | Lymph Node - Mesenteric |
| Pancreas | Pituitary Gland | Salivary Glands | Seminal Vesicle |
| Spinal Cord | Stomach - Forestomach | Stomach - Glandular | Thymus |
| Thyroid Gland | Trachea | Urinary Bladder | |

MISSING

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

OBSERVATIONS

| | | | |
|---|----------------|-------------------------|-------------------------------|
| Adrenal Gland | Cortex | Hyperplasia | Multifocal, Mild |
| | Medulla | Pheochromocytoma Benign | |
| Eye | Retina | Atrophy | Mild |
| Heart | | Cardiomyopathy | Multifocal, Moderate |
| Kidney | | Nephropathy | Chronic, Multifocal, Moderate |
| Note: NEPHROPATHY | TGLs = 2-4 | | |
| Liver | | Focal Cellular Change | |
| | Bile Duct | Hyperplasia | Multifocal, Mild |
| | | Inflammation | Chronic, Multifocal, Minimal |
| | | Leukemia Mononuclear | |
| Nose | Nasolacrim Dct | Inflammation | Chronic, Mild |
| Pituitary Gland | | | |
| Note: THE PITUITARY WAS FRAGMENTED AT EMBEDDING | | | |
| Note: NCL-3 | | | |
| Preputial Gland | | Inflammation | Chronic, Multifocal, Mild |
| Prostate | | Hyperplasia | Focal, Minimal |
| Skin | Subcut Tiss | Neurofibrosarcoma | |
| Note: NEUROFIBROSARC | TGLs = 1-12 | | |
| Spleen | | Leukemia Mononuclear | |
| Testes | Interstit Cell | Adenoma | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014

Time Report Requested: 14:14:34

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 41

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014
Time Report Requested: 14:14:34
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 42

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|---------------------------|--------------------------|----------------------------|-------------------------|
| Adrenal Gland - Cortex | Bone | Bone Marrow | Brain |
| Epididymis | Esophagus | Heart | Intestine Large - Cecum |
| Intestine Large - Colon | Intestine Large - Rectum | Intestine Small - Duodenum | Intestine Small - Ileum |
| Intestine Small - Jejunum | Islets, Pancreatic | Larynx | Lung |
| Mammary Gland | Parathyroid Gland | Prostate | Salivary Glands |
| Seminal Vesicle | Skin | Spinal Cord | Spleen |
| Stomach - Forestomach | Stomach - Glandular | Thymus | Trachea |
| Urinary Bladder | | | |

OBSERVATIONS

| | | | |
|-------------------|----------------|-------------------------|-------------------------------|
| Adrenal Gland | Medulla | Pheochromocytoma Benign | Multiple |
| Eye | Sclera | Metaplasia | Osseous, Focal, Minimal |
| Islets Panc | | | |
| Kidney | | Nephropathy | Chronic, Multifocal, Moderate |
| Note: NEPHROPATHY | TGLs = 2-4 | | |
| Liver | | Focal Cellular Change | |
| | Bile Duct | Hyperplasia | Multifocal, Mild |
| | | Inflammation | Chronic, Multifocal, Minimal |
| Lymph Node | Mandibular | Degeneration | Cystic, Moderate |
| | Mesenteric | Infiltration Cellular | Histiocyte, Mild |
| Nose | | Foreign Body | Mild |
| | Mucosa | Inflammation | Chronic, Multifocal, Mild |
| Pancreas | Acinus | Atrophy | Focal, Mild |
| Pituitary Gland | Pars Distalis | Hyperplasia | Focal, Mild |
| Preputial Gland | | Inflammation | Chronic, Multifocal, Mild |
| Testes | Interstit Cell | Adenoma | Multiple |
| Note: ADENOMA | TGLs = 1-5 | | |
| Thyroid Gland | C Cell | Hyperplasia | Focal, Mild |

PRIMARY CAUSE OF DEATH

-

Animal Note: PROCESSOR MALFUNCTION

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014

Time Report Requested: 14:14:34

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 43

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

| | |
|-------------------------|--------|
| Lymph Node - Mandibular | Thymus |
|-------------------------|--------|

OBSERVATIONS

| | | | |
|---|----------------|-------------------------|-------------------------------|
| Adrenal Gland | Medulla | Pheochromocytoma Benign | Multiple |
| Eye | Retina | Atrophy | Minimal |
| | Sclera | Metaplasia | Osseous, Focal, Minimal |
| Note: THE RETINAL ATROPHY IS UNILATERAL | | | |
| Heart | | Cardiomyopathy | Multifocal, Moderate |
| Kidney | | Nephropathy | Chronic, Multifocal, Moderate |
| Note: NEPHROPATHY TGLs = 3-4 | | | |
| Liver | | Focal Cellular Change | |
| | Bile Duct | Hyperplasia | Multifocal, Mild |
| Nose | Mucosa | Cytoplasmic Alteration | Multifocal, Minimal |
| Pituitary Gland | Pars Distalis | Hyperplasia | Focal, Mild |
| Preputial Gland | | Inflammation | Chronic Active, Focal, Mild |
| Testes | Interstit Cell | Adenoma | Multiple |
| Note: ADENOMA TGLs = 1,2-5 | | | |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014
Time Report Requested: 14:14:34
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 44 **TRT#:** 1 **SEX:** Male **DAY ON TEST:** 729
DOSE: VEHICLE CONTROL **DISP:** Terminal Sacrifice **HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

OBSERVATIONS

| | | | |
|-------------------------------------|----------------|------------------------------|------------------------------|
| Adrenal Gland | Medulla | Pheochromocytoma Benign | Multiple |
| Eye | Retina | Atrophy | Mild |
| | Sclera | Metaplasia | Osseous, Multifocal, Minimal |
| Heart | | Cardiomyopathy | Multifocal, Minimal |
| Kidney | | Nephropathy | Chronic, Multifocal, Mild |
| Note: NEPHROPATHY TGLs = 2-4 | | | |
| Liver | | Degeneration | Cystic, Focal, Minimal |
| | | Focal Cellular Change | |
| | Bile Duct | Hyperplasia | Multifocal, Mild |
| | | Inflammation | Chronic, Multifocal, Mild |
| Lung | | Alveolar/Bronchiolar Adenoma | |
| | Alveolar Epith | Hyperplasia | Focal, Marked |
| Note: ALV BRON ADEN TGLs = 3-6 | | | |
| Note: HYPERPLASIA TGLs = 3-6 | | | |
| Nose | Mucosa | Inflammation | Subacute, Multifocal, Mild |
| Pituitary Gland | Pars Distalis | Hyperplasia | Focal, Mild |
| Preputial Gland | | Inflammation | Chronic, Multifocal, Mild |
| Spleen | | Fibrosis | Focal, Mild |
| Note: FIBROSIS TGLs = 1-3 | | | |
| Testes | Interstit Cell | Adenoma | Multiple |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014

Time Report Requested: 14:14:34

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 44

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014
Time Report Requested: 14:14:34
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 45

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|---------------------------|--------------------------|----------------------------|-------------------------|
| Adrenal Gland - Cortex | Adrenal Gland - Medulla | Bone | Bone Marrow |
| Brain | Epididymis | Esophagus | Intestine Large - Cecum |
| Intestine Large - Colon | Intestine Large - Rectum | Intestine Small - Duodenum | Intestine Small - Ileum |
| Intestine Small - Jejunum | Islets, Pancreatic | Larynx | Lung |
| Lymph Node - Mandibular | Lymph Node - Mesenteric | Nose | Prostate |
| Salivary Glands | Skin | Spinal Cord | Stomach - Forestomach |
| Stomach - Glandular | Thyroid Gland | Trachea | Urinary Bladder |

MISSING

| | |
|-------------------|--------|
| Parathyroid Gland | Thymus |
|-------------------|--------|

OBSERVATIONS

| | | | |
|------------------------|----------------|-----------------------|-------------------------------|
| Eye | Retina | Atrophy | Moderate |
| | Sclera | Metaplasia | Osseous, Focal, Mild |
| Heart | | Cardiomyopathy | Multifocal, Mild |
| Kidney | | Nephropathy | Chronic, Multifocal, Moderate |
| Note: NEPHROPATHY | TGLs = 3-4 | | |
| Liver | | Focal Cellular Change | |
| | Bile Duct | Hyperplasia | Multifocal, Mild |
| Mammary Gland | Duct | Ectasia | Mild |
| Pancreas | Acinus | Atrophy | Multifocal, Mild |
| Pituitary Gland | Pars Distalis | Adenoma | |
| [Adenoma TGLS = 2-1] | | | |
| Preputial Gland | | Inflammation | Chronic, Multifocal, Mild |
| Seminal Vesicle | | Atrophy | Diffuse, Marked |
| Spleen | | Fibrosis | Focal, Mild |
| Testes | Interstit Cell | Adenoma | Multiple |
| Note: ADENOMA | TGLs = 1-5 | | |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014

Time Report Requested: 14:14:34

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 46

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

| | | | |
|---|----------------|-------------------------|-------------------------------|
| Adrenal Gland Note: PHEOCHROM BGN TGLs = 2-4 | Medulla | Pheochromocytoma Benign | |
| Eye | Sclera | Metaplasia | Osseous, Multifocal, Mild |
| Heart | | Cardiomyopathy | Multifocal, Minimal |
| Kidney | | Nephropathy | Chronic, Multifocal, Moderate |
| Liver | Bile Duct | Focal Cellular Change | |
| | | Hyperplasia | Multifocal, Mild |
| | | Inflammation | Chronic, Multifocal, Minimal |
| Lymph Node | Mesenteric | Hyperplasia | Lymphoid, Mild |
| Pancreas | Acinus | Atrophy | Multifocal, Minimal |
| Spinal Cord Note: PWG SHOULD SEE. Note: SPINAL NERVE WITH NEOPLASM OF SCHWANN OR NEURO. ORIGIN. | Nerve | Schwannoma Malignant | |
| Testes Note: ADENOMA TGLs = 1-5 | Interstit Cell | Adenoma | Multiple |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014
Time Report Requested: 14:14:34
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 47

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|----------------------------|-------------------------|---------------------------|--------------------------|
| Bone | Bone Marrow | Brain | Epididymis |
| Esophagus | Intestine Large - Cecum | Intestine Large - Colon | Intestine Large - Rectum |
| Intestine Small - Duodenum | Intestine Small - Ileum | Intestine Small - Jejunum | Islets, Pancreatic |
| Larynx | Lymph Node - Mesenteric | Mammary Gland | Pituitary Gland |
| Skin | Spinal Cord | Spleen | Stomach - Forestomach |
| Stomach - Glandular | Thymus | Thyroid Gland | Trachea |
| Urinary Bladder | | | |

MISSING

| | |
|-------------------------|-------------------|
| Lymph Node - Mandibular | Parathyroid Gland |
|-------------------------|-------------------|

OBSERVATIONS

| | | | |
|--------------------|----------------|-------------------------|----------------------------------|
| Adrenal Gland | Cortex | Degeneration | Focal, Mild |
| | Medulla | Pheochromocytoma Benign | Multiple |
| Eye | Sclera | Metaplasia | Osseous, Focal, Minimal |
| Heart | | Cardiomyopathy | Multifocal, Mild |
| Kidney | | Nephropathy | Chronic, Multifocal, Moderate |
| Note: NEPHROPATHY | TGLs = 3-4 | | |
| Liver | | Focal Cellular Change | |
| | Bile Duct | Hyperplasia | Multifocal, Mild |
| Lung | Peribronchiolr | Hyperplasia | Lymphoid, Mild |
| Nose | | Fungus | Mild |
| | Mucosa | Inflammation | Chronic Active, Multifocal, Mild |
| Pancreas | Acinus | Atrophy | Multifocal, Mild |
| Preputial Gland | | Inflammation | Chronic, Focal, Minimal |
| Prostate | | Hyperplasia | Focal, Minimal |
| Salivary Glands | | Inflammation | Chronic, Marked |
| Note: INFLAMMATION | TGLs = 1-12 | | |
| Seminal Vesicle | | Atrophy | Diffuse, Moderate |
| Testes | Interstit Cell | Adenoma | Multiple |
| Note: ADENOMA | TGLs = 2-5 | | |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014
Time Report Requested: 14:14:34
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 47

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014

Time Report Requested: 14:14:34

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 48

TRT#: 1

SEX: Male

DAY ON TEST: 726

DOSE: VEHICLE CONTROL

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

| | | | |
|------------------------------|----------------|------------------------------|----------------------------|
| Adrenal Gland | Medulla | Pheochromocytoma Benign | |
| Eye | Sclera | Metaplasia | Osseous, Multifocal, Mild |
| Heart | | Cardiomyopathy | Multifocal, Mild |
| Kidney | | Nephropathy | Chronic, Multifocal, Mild |
| Note: NEPHROPATHY TGLs = 3-4 | | | |
| Liver | Bile Duct | Fatty Change | Mild |
| | | Hyperplasia | Multifocal, Minimal |
| Lung | | Alveolar/Bronchiolar Adenoma | |
| Mammary Gland | Duct | Ectasia | Moderate |
| Nose | Nasolacrim Dct | Inflammation | Chronic, Minimal |
| Pancreas | Acinus | Atrophy | Multifocal, Mild |
| Pituitary Gland | Pars Distalis | Adenoma | |
| Note: ADENOMA TGLs = 4-1 | | | |
| Preputial Gland | | Inflammation | Subacute, Multifocal, Mild |
| Testes | Interstit Cell | Adenoma | |
| | | Atrophy | Focal, Minimal |
| Note: ADENOMA TGLs = 1-5 | | | |
| Note: ATROPHY TGLs = 2-5 | | | |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014
Time Report Requested: 14:14:34
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 49

TRT#: 1

SEX: Male

DAY ON TEST: 579

DOSE: VEHICLE CONTROL

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|----------------------------|-------------------------|---------------------------|--------------------------|
| Adrenal Gland - Cortex | Bone | Epididymis | Esophagus |
| Eye | Intestine Large - Cecum | Intestine Large - Colon | Intestine Large - Rectum |
| Intestine Small - Duodenum | Intestine Small - Ileum | Intestine Small - Jejunum | Islets, Pancreatic |
| Larynx | Nose | Pancreas | Parathyroid Gland |
| Pituitary Gland | Preputial Gland | Salivary Glands | Skin |
| Spinal Cord | Stomach - Forestomach | Stomach - Glandular | Thymus |
| Thyroid Gland | Trachea | | |

MISSING

Mammary Gland

OBSERVATIONS

| | | | |
|----------------------|----------------|-------------------------|---------------------------|
| Adrenal Gland | Medulla | Pheochromocytoma Benign | |
| Bone Marrow | | Leukemia Mononuclear | |
| Brain | | Leukemia Mononuclear | |
| | Cerebellum | Necrosis | Focal, Mild |
| Heart | | Leukemia Mononuclear | |
| Kidney | | Leukemia Mononuclear | |
| | | Nephropathy | Chronic, Multifocal, Mild |
| Liver | Bile Duct | Hyperplasia | Multifocal, Mild |
| | | Leukemia Mononuclear | |
| Note: LEUKEMIA MONUC | TGLs = 1-3 | | |
| Lung | | Leukemia Mononuclear | |
| Lymph Node | Mandibular | Leukemia Mononuclear | |
| | Mesenteric | Leukemia Mononuclear | |
| Prostate | | Inflammation | Chronic, Focal, Mild |
| Seminal Vesicle | | Atrophy | Diffuse, Moderate |
| Spleen | | Leukemia Mononuclear | |
| Note: LEUKEMIA MONUC | TGLs = 3-3 | | |
| Testes | Interstit Cell | Adenoma | Multiple |
| | | Atrophy | Diffuse, Moderate |
| | Interstit Cell | Hyperplasia | Multifocal, Mild |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014

Time Report Requested: 14:14:34

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 49

TRT#: 1

SEX: Male

DAY ON TEST: 579

DOSE: VEHICLE CONTROL

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Note: ADENOMA TGLs = 2-5

Urinary Bladder

Leukemia Mononuclear

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014

Time Report Requested: 14:14:34

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 50

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

| | | | |
|---------------------------------|----------------|-------------------------|-------------------------------|
| Adrenal Gland | Medulla | Pheochromocytoma Benign | |
| Eye | Sclera | Metaplasia | Osseous, Multifocal, Mild |
| Heart | | Cardiomyopathy | Multifocal, Mild |
| Kidney | | Nephropathy | Chronic, Multifocal, Moderate |
| Liver | Bile Duct | Focal Cellular Change | |
| | | Hyperplasia | Multifocal, Mild |
| | | Leukemia Mononuclear | |
| Lymph Node | Mesenteric | Leukemia Mononuclear | |
| Pituitary Gland | Pars Distalis | Adenoma | |
| [Adenoma TGLS = 3-1] | | | |
| Preputial Gland | | Inflammation | Chronic Active, Focal, Mild |
| Prostate | | Hyperplasia | Focal, Mild |
| | | Inflammation | Chronic, Focal, Mild |
| Seminal Vesicle | | Atrophy | Diffuse, Moderate |
| Spleen | | Leukemia Mononuclear | |
| Note: LEUKEMIA MONUC TGLs = 2-3 | | | |
| Testes | Interstit Cell | Adenoma | |
| Note: ADENOMA TGLs = 1-5 | | | |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014

Time Report Requested: 14:14:34

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 51

TRT#: 2

SEX: Male

DAY ON TEST: 731

DOSE: 20 PPM LOW M

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

| | | |
|-----|-----------|-------------------|
| Ear | Esophagus | Parathyroid Gland |
|-----|-----------|-------------------|

OBSERVATIONS

| | | | |
|------------------------------|----------------|-----------------------|----------------------------------|
| Eye | Retina | Atrophy | Marked |
| | Lens | Cataract | Moderate |
| | Cornea | Inflammation | Chronic Active, Mild |
| | Sclera | Metaplasia | Osseous, Focal, Minimal |
| Note: [METAPL] TGLs = 2-13 | | | |
| Heart | | Cardiomyopathy | Multifocal, Minimal |
| Kidney | | Nephropathy | Chronic, Multifocal, Moderate |
| Liver | | Focal Cellular Change | |
| | Bile Duct | Hyperplasia | Multifocal, Mild |
| Nose | Mucosa | Inflammation | Chronic Active, Multifocal, Mild |
| Pancreas | Acinus | Atrophy | Focal, Mild |
| Pituitary Gland | Pars Distalis | Hyperplasia | Focal, Mild |
| Seminal Vesicle | | Atrophy | Diffuse, Mild |
| Testes | Interstit Cell | Adenoma | Multiple |
| Note: ADENOMA TGLs = 1-5 | | | |
| Thyroid Gland | C Cell | Adenoma | |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014
Time Report Requested: 14:14:34
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 52

TRT#: 2

SEX: Male

DAY ON TEST: 576

DOSE: 20 PPM LOW M

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland

OBSERVATIONS

| | | | |
|---|----------------|----------------|------------------------------|
| Eye | Lens | Cataract | Mild |
| | Sclera | Metaplasia | Osseous, Multifocal, Minimal |
| Heart | | Cardiomyopathy | Multifocal, Mild |
| Kidney | | Nephropathy | Chronic, Multifocal, Minimal |
| Liver | Bile Duct | Hyperplasia | Multifocal, Moderate |
| Lung | | | |
| Note: LUNG-TGL-3-NO COROLLARY LESION | | | |
| Lymph Node | Mandibular | Congestion | Mild |
| Note: CONGESTION TGLs = 5-2 | | | |
| Preputial Gland | | Inflammation | Chronic Active, Focal, Mild |
| Spleen | | | |
| Note: SPLEEN-TGL-2, NO COROLLARY LESION | | | |
| Testes | Interstit Cell | Adenoma | |
| Note: ADENOMA TGLs = 6-5 | | | |
| Note: TESTES-TGL-1, NO COROLLARY LESION | | | |
| Tooth | Gingiva | Neoplasm Nos | |
| Note: CARCINOMA OF THE MUCOUS MEMBRANE ADJACENT TO THE TOOTH. | | | |
| Note: TOOTH-ACTUALLY THE LESION REPRESENTS A SQUAMOUS CELL | | | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014

Time Report Requested: 14:14:34

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 52

TRT#: 2

SEX: Male

DAY ON TEST: 576

DOSE: 20 PPM LOW M

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Note: NEOPLASM TGLs = 4-11

Note: TDMS CODING-SHORT COMING OF SYSTEM

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014

Time Report Requested: 14:14:34

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 53

TRT#: 2

SEX: Male

DAY ON TEST: 731

DOSE: 20 PPM LOW M

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

| | | | |
|--|----------------|-----------------------|---------------------------|
| Eye | Sclera | Metaplasia | Osseous, Multifocal, Mild |
| Heart | | Cardiomyopathy | Multifocal, Mild |
| Kidney | | Nephropathy | Chronic, Multifocal, Mild |
| Liver | | Focal Cellular Change | |
| | Bile Duct | Hyperplasia | Multifocal, Mild |
| Mammary Gland | | | |
| Note: NO LESION IN MAMMARY GLAND AND ORIGINAL RETRIM | | | |
| Note: SECTIONS TO EXPLAIN NODULE DESCRIBED GROSSLY. | | | |
| Note: TG-1-NCL | | | |
| Nose | Nasolacrim Dct | Inflammation | Chronic, Mild |
| Pituitary Gland | Pars Distalis | Adenoma | |
| Preputial Gland | | Inflammation | Chronic, Multifocal, Mild |
| Seminal Vesicle | | Atrophy | Diffuse, Mild |
| Testes | Interstit Cell | Adenoma | Multiple |
| Note: ADENOMA TGLs = 2-5 | | | |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014

Time Report Requested: 14:14:34

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 54

TRT#: 2

SEX: Male

DAY ON TEST: 236

DOSE: 20 PPM LOW M

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

| | | |
|--------------------------|--------------------|----------|
| Intestine Large - Rectum | Islets, Pancreatic | Pancreas |
|--------------------------|--------------------|----------|

OBSERVATIONS

| | | | |
|---------------------------------|------------|----------------------|------------------|
| Brain | | Leukemia Mononuclear | |
| Eye | Lens | Cataract | Mild |
| Heart | | Leukemia Mononuclear | |
| | | Cardiomyopathy | Multifocal, Mild |
| Kidney | | Leukemia Mononuclear | |
| Liver | | Leukemia Mononuclear | |
| Lung | | Leukemia Mononuclear | |
| Lymph Node | Mesenteric | Leukemia Mononuclear | |
| Pancreas | | | |
| Note: PANCREAS-AUTOLYZED TISSUE | | | |
| Spinal Cord | | Leukemia Mononuclear | |
| Spleen | | Leukemia Mononuclear | |
| Note: LEUKEMIA MONUC TGLs = 1-3 | | | |
| Thymus | | Leukemia Mononuclear | |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014
Time Report Requested: 14:14:34
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 55

TRT#: 2

SEX: Male

DAY ON TEST: 731

DOSE: 20 PPM LOW M

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Parathyroid Gland

OBSERVATIONS

| | | | |
|------------------------------|----------------|-----------------------|-------------------------------------|
| Eye | Sclera | Metaplasia | Osseous, Multifocal, Mild |
| Kidney | | Cyst | Mild |
| | | Nephropathy | Chronic, Multifocal, Moderate |
| Note: NEPHROPATHY TGLs = 3-4 | | | |
| Liver | | Focal Cellular Change | |
| | Bile Duct | Hyperplasia | Multifocal, Mild |
| Nose | Mucosa | Inflammation | Chronic Active, Multifocal, Minimal |
| Pituitary Gland | Pars Distalis | Hyperplasia | Focal, Mild |
| Preputial Gland | | Inflammation | Chronic Active, Multifocal, Mild |
| Seminal Vesicle | | Atrophy | Diffuse, Mild |
| Spleen | | Fibrosis | Focal, Moderate |
| Note: FIBROSIS TGLs = 1-3 | | | |
| Testes | Interstit Cell | Adenoma | Multiple |
| Note: ADENOMA TGLs = 2-5 | | | |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014
Time Report Requested: 14:14:34
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 56

TRT#: 2

SEX: Male

DAY ON TEST: 585

DOSE: 20 PPM LOW M

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Thymus

OBSERVATIONS

| | | | |
|----------------------|---------------|----------------------|----------------------------------|
| Bone | | Hyperostosis | Moderate |
| Eye | Sclera | Metaplasia | Osseous, Multifocal, Mild |
| Heart | | Cardiomyopathy | Multifocal, Mild |
| | Atrium | Thrombosis | |
| Kidney | | Nephropathy | Chronic, Multifocal, Mild |
| Liver | | Fatty Change | Mild |
| | Bile Duct | Hyperplasia | Multifocal, Moderate |
| | | Leukemia Mononuclear | |
| Note: HYPERPLASIA | TGLs = 3-3 | | |
| Note: LEUKEMIA MONUC | TGLs = 3-3 | | |
| Lung | | Leukemia Mononuclear | |
| Nose | | Fungus | Mild |
| | Mucosa | Inflammation | Chronic Active, Multifocal, Mild |
| Pituitary Gland | Pars Distalis | Hyperplasia | Focal, Mild |
| Preputial Gland | | Hyperplasia | Focal, Minimal |
| | | Inflammation | Chronic, Multifocal, Minimal |
| Note: HYPERPLASIA | TGLs = 4-8 | | |
| Note: INFLAMMATION | TGLs = 4-8 | | |
| Skin | | | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014
Time Report Requested: 14:14:34
First Dose M/F: NA / NA
Lab: MBA

| | | | |
|----------------------|---------------------------|-------------------|-------------------------|
| ANIMAL ID: 56 | TRT#: 2 | SEX: Male | DAY ON TEST: 585 |
| | DOSE: 20 PPM LOW M | DISP: Dead | HISTO: |

ORGAN AND ACCOUNTABLE SITE STATUS

| | | | |
|-----------------|----------------|----------------------|----------|
| Note: TGL-2-NCL | | | |
| Spleen | | Leukemia Mononuclear | |
| Testes | Interstit Cell | Adenoma | Multiple |
| Note: ADENOMA | TGLs = 1-5 | | |

PRIMARY CAUSE OF DEATH -

Experiment Number: 05029-01
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014
Time Report Requested: 14:14:34
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 57

TRT#: 2

SEX: Male

DAY ON TEST: 729

DOSE: 20 PPM LOW M

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|--------------------------|----------------------------|-------------------------|---------------------------|
| Adrenal Gland - Cortex | Adrenal Gland - Medulla | Bone | Brain |
| Epididymis | Esophagus | Intestine Large - Cecum | Intestine Large - Colon |
| Intestine Large - Rectum | Intestine Small - Duodenum | Intestine Small - Ileum | Intestine Small - Jejunum |
| Islets, Pancreatic | Larynx | Mammary Gland | Parathyroid Gland |
| Preputial Gland | Prostate | Skin | Spinal Cord |
| Stomach - Forestomach | Stomach - Glandular | Thyroid Gland | Trachea |

MISSING

| | |
|-------------------------|-----------------|
| Lymph Node - Mandibular | Salivary Glands |
|-------------------------|-----------------|

OBSERVATIONS

| | | | |
|---------------------------------|----------------|----------------------|---------------------------|
| Bone Marrow | | Leukemia Mononuclear | |
| Eye | Retina | Atrophy | Mild |
| Heart | | Cardiomyopathy | Multifocal, Mild |
| | | Leukemia Mononuclear | |
| Kidney | | Leukemia Mononuclear | |
| | | Nephropathy | Chronic, Multifocal, Mild |
| Note: LEUKEMIA MONUC TGLs = 3-4 | | | |
| Liver | Bile Duct | Hyperplasia | Multifocal, Moderate |
| | | Leukemia Mononuclear | |
| Note: LEUKEMIA MONUC TGLs = 4-3 | | | |
| Note: HYPERPLASIA TGLs = 4-3 | | | |
| Lung | | Leukemia Mononuclear | |
| Lymph Node | Mesenteric | Leukemia Mononuclear | |
| Nose | Mucosa | Inflammation | Acute, Focal, Mild |
| | Nasolacrim Dct | Inflammation | Chronic, Mild |
| Pancreas | | Leukemia Mononuclear | |
| Pituitary Gland | | Leukemia Mononuclear | |
| Seminal Vesicle | | Leukemia Mononuclear | |
| Spleen | | Leukemia Mononuclear | |
| Note: LEUKEMIA MONUC TGLs = 1-3 | | | |
| Testes | Interstit Cell | Adenoma | Multiple |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014
Time Report Requested: 14:14:34
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 57

TRT#: 2
DOSE: 20 PPM LOW M

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 729
HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Interstit Cell

Atrophy
Hyperplasia
Leukemia Mononuclear

Diffuse, Moderate
Multifocal, Mild

Note: ADENOMA TGLs = 2-5
Thymus
Urinary Bladder

Leukemia Mononuclear
Leukemia Mononuclear

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014

Time Report Requested: 14:14:34

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 58

TRT#: 2

SEX: Male

DAY ON TEST: 674

DOSE: 20 PPM LOW M

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

| | | | |
|---------------------------------|------------|----------------------------------|---------------------------|
| Adrenal GI | | | |
| Note: CORTEX-ONE; MEDULLA-ONE | | | |
| Bone Marrow | | Hyperplasia | Mild |
| Eye | Lens | Cataract | Minimal |
| Kidney | | Fibrous Histiocytoma | |
| | | Nephropathy | Chronic, Multifocal, Mild |
| Note: NEPHROPATHY TGLs = 4-4 | | | |
| Liver | | Fatty Change | Minimal |
| | Bile Duct | Hyperplasia | Multifocal, Mild |
| | | Necrosis | Acute, Multifocal, Marked |
| Note: NECROSIS TGLs = 5-3 | | | |
| Lung | | Fibrous Histiocytoma | |
| Lymph Node | Mesenteric | Hyperplasia | Lymphoid, Mild |
| Mesentery | | Fibrous Histiocytoma | |
| Note: FIB HISTIOCYT TGLs = 3-10 | | | |
| Pancreas | | Fibrous Histiocytoma | |
| Preputial Gland | | Inflammation | Chronic, Diffuse, Mild |
| Seminal Vesicle | | Atrophy | Diffuse, Marked |
| Skeletal Muscle | Diaphragm | Fibrous Histiocytoma | |
| Note: FIB HISTIOCYT TGLs = 6-13 | | | |
| Spleen | | Hematopoietic Cell Proliferation | Mild |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014

Time Report Requested: 14:14:34

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 58

TRT#: 2

SEX: Male

DAY ON TEST: 674

DOSE: 20 PPM LOW M

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Note: HEMA CELL PROL TGLs = 1-3

Testes

Interstit Cell

Adenoma

Multiple

Tunic

Mesothelioma Malignant

Note: MESOTHELIO MAL TGLs = 2-5

Note: ADENOMA TGLs = 2-5

PRIMARY CAUSE OF DEATH

-

Animal Note: VAGINALIS AND FIBROSIS HISTIOCYTOMA(HISTIOCYTIC SARCOMA)

Animal Note: (5,6,10,12,13) MULTIPLE ORGANS-MESOTHELIONIA OF THE TUNCIA

Animal Note: MULTIPLE SITES.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014
Time Report Requested: 14:14:34
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 59

TRT#: 2

SEX: Male

DAY ON TEST: 415

DOSE: 20 PPM LOW M

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Epididymis
Intestine Large - Colon
Larynx
Parathyroid Gland
Seminal Vesicle
Stomach - Glandular
Urinary Bladder

Adrenal Gland - Medulla
Esophagus
Intestine Large - Rectum
Mammary Gland
Preputial Gland
Skin
Testes

Bone
Eye
Intestine Small - Duodenum
Nose
Prostate
Spinal Cord
Thyroid Gland

Bone Marrow
Intestine Large - Cecum
Islets, Pancreatic
Pancreas
Salivary Glands
Stomach - Forestomach
Trachea

MISSING

Intestine Small - Ileum

Intestine Small - Jejunum

OBSERVATIONS

Brain
Heart
Kidney
Liver
Lung
Note: LEUKEMIA MONUC TGLs = 2-6,7
Lymph Node
Pituitary Gland
Spleen
Note: LEUKEMIA MONUC TGLs = 1-3
Thymus

Leukemia Mononuclear
Leukemia Mononuclear
Leukemia Mononuclear
Leukemia Mononuclear
Leukemia Mononuclear
Leukemia Mononuclear
Leukemia Mononuclear
Leukemia Mononuclear
Leukemia Mononuclear
Leukemia Mononuclear
Leukemia Mononuclear

Focal, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014

Time Report Requested: 14:14:34

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 60

TRT#: 2

SEX: Male

DAY ON TEST: 729

DOSE: 20 PPM LOW M

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Epididymis
Intestine Large - Rectum
Islets, Pancreatic
Pancreas
Salivary Glands
Stomach - Forestomach
Urinary Bladder

Bone
Esophagus
Intestine Small - Duodenum
Larynx
Parathyroid Gland
Skin
Stomach - Glandular

Bone Marrow
Intestine Large - Cecum
Intestine Small - Ileum
Lymph Node - Mesenteric
Pituitary Gland
Spinal Cord
Thymus

Brain
Intestine Large - Colon
Intestine Small - Jejunum
Mammary Gland
Prostate
Spleen
Trachea

OBSERVATIONS

Adrenal Gland
Eye
Heart
Kidney
Liver

Lung
Lymph Node
Nose
Preputial Gland

Seminal Vesicle
Testes
 Note: ADENOMA TGLs = 1-5
Thyroid Gland

Medulla
Sclera

Bile Duct
Interstitium
Mandibular
Nasolacrim Dct

Interstit Cell

C Cell

Pheochromocytoma Benign
Metaplasia
Cardiomyopathy
Nephropathy
Focal Cellular Change
Hyperplasia
Inflammation
Hyperplasia
Inflammation
Adenoma
Inflammation
Atrophy
Adenoma

Hyperplasia

Multiple
Osseous, Multifocal, Mild
Multifocal, Mild
Chronic, Multifocal, Mild

Multifocal, Mild
Chronic, Multifocal, Mild
Lymphoid, Mild
Chronic, Mild

Chronic, Multifocal, Mild
Diffuse, Moderate
Multiple

Multifocal, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014

Time Report Requested: 14:14:34

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 61

TRT#: 2

SEX: Male

DAY ON TEST: 729

DOSE: 20 PPM LOW M

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

| | | | |
|------------------------------|-------------------|--------------------------------|----------------------------------|
| Adrenal Gland | Medulla | Pheochromocytoma Benign | |
| Bone Marrow | | Hyperplasia | Mild |
| Eye | Sclera | Metaplasia | Osseous, Focal, Minimal |
| Heart | | Cardiomyopathy | Multifocal, Mild |
| Kidney | | Nephropathy | Chronic, Multifocal, Mild |
| Note: NEPHROPATHY TGLs = 4-4 | | | |
| Liver | | Degeneration | Cystic, Multifocal, Mild |
| | | Focal Cellular Change | |
| | Bile Duct | Hyperplasia | Multifocal, Mild |
| Lung | | Alveolar/Bronchiolar Carcinoma | |
| Mammary Gland | Acinus | Hyperplasia | Diffuse, Mild |
| Nose | | Fungus | Mild |
| | Mucosa | Inflammation | Chronic Active, Multifocal, Mild |
| Pancreas | Acinus | Atrophy | Multifocal, Mild |
| Pituitary Gland | Pars Distalis | Hyperplasia | Multifocal, Mild |
| Skin | Subcut Tiss | Fibroma | |
| Note: FIBROMA TGLs = 1-5 | | | |
| Testes | Interstitial Cell | Adenoma | |
| | | Atrophy | Diffuse, Marked |
| Note: ATROPHY TGLs = 3-5 | | | |
| Note: ADENOMA TGLs = 2-5 | | | |
| Thyroid Gland | C Cell | Adenoma | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014
Time Report Requested: 14:14:34
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 61

TRT#: 2
DOSE: 20 PPM LOW M

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 729
HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

C Cell

Hyperplasia

Focal, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014
Time Report Requested: 14:14:34
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 62

TRT#: 2

SEX: Male

DAY ON TEST: 729

DOSE: 20 PPM LOW M

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|-------------------------|---------------------------|--------------------------|----------------------------|
| Bone | Brain | Epididymis | Esophagus |
| Intestine Large - Cecum | Intestine Large - Colon | Intestine Large - Rectum | Intestine Small - Duodenum |
| Intestine Small - Ileum | Intestine Small - Jejunum | Islets, Pancreatic | Larynx |
| Lymph Node - Mandibular | Mammary Gland | Nose | Parathyroid Gland |
| Pituitary Gland | Salivary Glands | Skin | Spinal Cord |
| Stomach - Forestomach | Stomach - Glandular | Thymus | Trachea |
| Urinary Bladder | | | |

OBSERVATIONS

| | | | |
|---------------------------------|----------------|-------------------------|----------------------------|
| Adrenal Gland | Cortex | Degeneration | Focal, Mild |
| | Medulla | Pheochromocytoma Benign | |
| Bone Marrow | | Leukemia Mononuclear | |
| Eye | Sclera | Metaplasia | Osseous, Multifocal, Mild |
| Heart | | Cardiomyopathy | Multifocal, Mild |
| Kidney | | Nephropathy | Chronic, Multifocal, Mild |
| Liver | | Degeneration | Cystic, Focal, Mild |
| | Bile Duct | Focal Cellular Change | |
| | | Hyperplasia | Multifocal, Mild |
| | | Leukemia Mononuclear | |
| Note: LEUKEMIA MONUC TGLs = 3-3 | | | |
| Note: HYPERPLASIA TGLs = 3-3 | | | |
| Lung | | Infiltration Cellular | Histiocyte, Focal, Minimal |
| | | Leukemia Mononuclear | |
| Lymph Node | Mesenteric | Leukemia Mononuclear | |
| Pancreas | Acinus | Atrophy | Multifocal, Mild |
| Preputial Gland | | Inflammation | Chronic, Multifocal, Mild |
| Prostate | | Adenoma | |
| Seminal Vesicle | | Atrophy | Diffuse, Mild |
| Spleen | | Leukemia Mononuclear | |
| Note: LEUKEMIA MONUC TGLs = 2-3 | | | |
| Testes | Interstit Cell | Adenoma | Multiple |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014

Time Report Requested: 14:14:34

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 62

TRT#: 2

SEX: Male

DAY ON TEST: 729

DOSE: 20 PPM LOW M

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Note: ADENOMA TGLs = 1,4-5

Thyroid Gland

C Cell

Hyperplasia

Focal, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014

Time Report Requested: 14:14:34

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 63

TRT#: 2

SEX: Male

DAY ON TEST: 655

DOSE: 20 PPM LOW M

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

| | | | |
|--|-----------|----------------------------------|------------------------------|
| Adrenal Gland | Medulla | Pheochromocytoma Benign | Multiple |
| Bone Marrow | | Hyperplasia | Marked |
| Eye | Sclera | Metaplasia | Osseous, Focal, Minimal |
| Heart | | Cardiomyopathy | Multifocal, Mild |
| | Atrium | Thrombosis | |
| Kidney | | Nephropathy | Chronic, Multifocal, Minimal |
| Liver | | Focal Cellular Change | |
| | Bile Duct | Hyperplasia | Multifocal, Minimal |
| Note: FOCAL CELL CH TGLs = 4-3 | | | |
| Note: HYPERPLASIA TGLs = 4-3 | | | |
| Lung | | Carcinoma | Metastatic (Preputial Gland) |
| Note: LUNG-EXCELLENT EXAMPLE OF METASTATIC PREPUTIAL GL. CARCINOMA | | | |
| Preputial Gland | | Carcinoma | |
| | | Inflammation | Chronic, Diffuse, Mild |
| Note: CARCINOMA TGLs = 1-12 | | | |
| Note: THE LESION OF THE SKIN OF THE VENTRAL | | | |
| Note: PELVIC REGION DESCRIBED IN NECROPSY WAS | | | |
| Note: ACTUALLY A CARCINOMA OF THE PREPUTIAL GLAND. | | | |
| Prostate | | Inflammation | Chronic, Focal, Mild |
| Seminal Vesicle | | Atrophy | Diffuse, Moderate |
| Spleen | | Hematopoietic Cell Proliferation | Mild |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014
Time Report Requested: 14:14:34
First Dose M/F: NA / NA
Lab: MBA

| | | | |
|----------------------|---------------------------|-------------------|-------------------------|
| ANIMAL ID: 63 | TRT#: 2 | SEX: Male | DAY ON TEST: 655 |
| | DOSE: 20 PPM LOW M | DISP: Dead | HISTO: |

ORGAN AND ACCOUNTABLE SITE STATUS

| | | | |
|---------------|----------------|-------------|---------------------|
| Testes | Interstit Cell | Adenoma | |
| | | Atrophy | Diffuse, Marked |
| | Interstit Cell | Hyperplasia | Multifocal, Minimal |
| Note: ADENOMA | TGLs = 3-5 | | |
| Note: ATROPHY | TGLs = 2-5 | | |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014

Time Report Requested: 14:14:34

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 64

TRT#: 2

SEX: Male

DAY ON TEST: 666

DOSE: 20 PPM LOW M

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|----------------------------|-------------------------|---------------------------|--------------------------|
| Adrenal Gland - Cortex | Bone | Brain | Epididymis |
| Esophagus | Intestine Large - Cecum | Intestine Large - Colon | Intestine Large - Rectum |
| Intestine Small - Duodenum | Intestine Small - Ileum | Intestine Small - Jejunum | Islets, Pancreatic |
| Larynx | Lymph Node - Mandibular | Mesentery | Nose |
| Pancreas | Pituitary Gland | Prostate | Salivary Glands |
| Spinal Cord | Stomach - Forestomach | Stomach - Glandular | Thymus |
| Thyroid Gland | Trachea | Urinary Bladder | |

MISSING

| | |
|-----|-------------------|
| Ear | Parathyroid Gland |
|-----|-------------------|

OBSERVATIONS

| | | | |
|--|--------------|----------------------|---------------------------|
| Adrenal Gland | Medulla | Hyperplasia | Multifocal, Mild |
| Bone Marrow | | Leukemia Mononuclear | |
| Eye | Sclera | Metaplasia | Osseous, Multifocal, Mild |
| Note: EYE-TGL-5: NO COROLLARY LESION | | | |
| Heart | | Cardiomyopathy | Multifocal, Minimal |
| | | Leukemia Mononuclear | |
| Kidney | | Nephropathy | Chronic, Multifocal, Mild |
| | Renal Tubule | Pigmentation | Moderate |
| Liver | | Fatty Change | Moderate |
| | Bile Duct | Hyperplasia | Multifocal, Moderate |
| | | Leukemia Mononuclear | |
| Note: HYPERPLASIA TGLs = 4-3 | | | |
| Note: LEUKEMIA MONUC TGLs = 4-3 | | | |
| Lung | | Leukemia Mononuclear | |
| Lymph Node | Mesenteric | Leukemia Mononuclear | |
| Mammary Gland | Duct | Ectasia | Mild |
| Mesentery | | | |
| Note: MESENTERY-TGL-6, NO COROLLARY LESION | | | |
| Preputial Gland | | Inflammation | Chronic, Multifocal, Mild |
| Seminal Vesicle | | Atrophy | Diffuse, Marked |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014
Time Report Requested: 14:14:34
First Dose M/F: NA / NA
Lab: MBA

| | | | |
|----------------------|---------------------------|-----------------------|-------------------------|
| ANIMAL ID: 64 | TRT#: 2 | SEX: Male | DAY ON TEST: 666 |
| | DOSE: 20 PPM LOW M | DISP: Moribund | HISTO: |

ORGAN AND ACCOUNTABLE SITE STATUS

| | | | |
|---|----------------|----------------------|----------|
| Skin Note: KERATOACANTHOMA TGLs = 1-12 | Subcut Tiss | Keratoacanthoma | |
| Spleen Note: LEUKEMIA MONUC TGLs = 3-3 | | Leukemia Mononuclear | |
| Testes Note: ADENOMA TGLs = 2-5 | Interstit Cell | Adenoma | Multiple |

PRIMARY CAUSE OF DEATH

-

Animal Note: 10,13, AND 14-YELLOW COLOR SEEN GROSSLY NOT VISIBLE

Animal Note: MICROSCOPICALLY IN THE EYE AND MESENTERY

Experiment Number: 05029-01
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014
Time Report Requested: 14:14:34
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 65

TRT#: 2

SEX: Male

DAY ON TEST: 729

DOSE: 20 PPM LOW M

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|----------------------------|-------------------------|---------------------------|--------------------------|
| Adrenal Gland - Cortex | Bone | Brain | Epididymis |
| Esophagus | Intestine Large - Cecum | Intestine Large - Colon | Intestine Large - Rectum |
| Intestine Small - Duodenum | Intestine Small - Ileum | Intestine Small - Jejunum | Islets, Pancreatic |
| Larynx | Lymph Node - Mesenteric | Mammary Gland | Nose |
| Pancreas | Pituitary Gland | Prostate | Salivary Glands |
| Skin | Spinal Cord | Stomach - Forestomach | Stomach - Glandular |
| Thyroid Gland | Trachea | Urinary Bladder | |

MISSING

| | | |
|-------------------------|-------------------|-----------------|
| Adrenal Gland - Medulla | Parathyroid Gland | Preputial Gland |
|-------------------------|-------------------|-----------------|

OBSERVATIONS

| | | | |
|----------------------------------|----------------|----------------------|---------------------------|
| Bone Marrow | | Leukemia Mononuclear | |
| Eye | Sclera | Metaplasia | Osseous, Multifocal, Mild |
| Heart | | Cardiomyopathy | Multifocal, Minimal |
| Kidney | | Leukemia Mononuclear | |
| | | Leukemia Mononuclear | |
| | | Nephropathy | Chronic, Multifocal, Mild |
| Note: LEUKEMIA MONUC TGLs = 4-4 | | | |
| Liver | Bile Duct | Hyperplasia | Multifocal, Moderate |
| | | Leukemia Mononuclear | |
| Note: HYPERPLASIA TGLs = 3-3 | | | |
| Lung | | Leukemia Mononuclear | |
| Lymph Node | Iliac | Leukemia Mononuclear | |
| | Mandibular | Leukemia Mononuclear | |
| Note: LEUKEMIA MONUC TGLs = 5-12 | | | |
| Seminal Vesicle | | Atrophy | Diffuse, Mild |
| Spleen | | Leukemia Mononuclear | |
| Note: LEUKEMIA MONUC TGLs = 2-3 | | | |
| Testes | Interstit Cell | Adenoma | Multiple |
| Note: ADENOMA TGLs = 1-5 | | | |
| Thymus | | Leukemia Mononuclear | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014

Time Report Requested: 14:14:34

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 65

TRT#: 2

SEX: Male

DAY ON TEST: 729

DOSE: 20 PPM LOW M

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Note: LEUKEMIA MONUC TGLs = 6-2

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014
Time Report Requested: 14:14:34
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 66

TRT#: 2

SEX: Male

DAY ON TEST: 688

DOSE: 20 PPM LOW M

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|---------------------------|--------------------------|----------------------------|-------------------------|
| Adrenal Gland - Cortex | Adrenal Gland - Medulla | Bone | Brain |
| Epididymis | Esophagus | Heart | Intestine Large - Cecum |
| Intestine Large - Colon | Intestine Large - Rectum | Intestine Small - Duodenum | Intestine Small - Ileum |
| Intestine Small - Jejunum | Islets, Pancreatic | Larynx | Lymph Node - Mandibular |
| Mammary Gland | Pancreas | Pituitary Gland | Prostate |
| Salivary Glands | Skin | Spinal Cord | Stomach - Forestomach |
| Thymus | Thyroid Gland | Trachea | Urinary Bladder |

MISSING

Parathyroid Gland

OBSERVATIONS

| | | | |
|-------------------------------|---------------|--------------|------------------------------|
| Bone Marrow | | Hyperplasia | Mild |
| Brain | | | |
| Note: BRAIN-BEST SECTION | | | |
| Eye | Sclera | Metaplasia | Osseous, Multifocal, Minimal |
| Kidney | | Nephropathy | Chronic, Multifocal, Mild |
| Liver | Bile Duct | Hyperplasia | Multifocal, Mild |
| | Centrilobular | Necrosis | Acute, Moderate |
| Note: NECROSIS TGLs = 3-3 | | | |
| Lung | | Hemorrhage | Multifocal, Mild |
| | | Hyperplasia | Lymphoid, Mild |
| Note: HEMORRHAGE TGLs = 4-6,7 | | | |
| Lymph Node | Mediastinal | Hemorrhage | Marked |
| | Mesenteric | Hemorrhage | Mild |
| Nose | | Fungus | Moderate |
| | Mucosa | Inflammation | Acute, Multifocal, Marked |
| Preputial Gland | | Inflammation | Chronic, Diffuse, Marked |
| Seminal Vesicle | | Atrophy | Diffuse, Moderate |
| Spleen | | Congestion | Marked |
| | Artery | Thrombosis | |
| Note: CONGESTION TGLs = 2-3 | | | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014
Time Report Requested: 14:14:34
First Dose M/F: NA / NA
Lab: MBA

| | | | |
|----------------------|---------------------------|-------------------|-------------------------|
| ANIMAL ID: 66 | TRT#: 2 | SEX: Male | DAY ON TEST: 688 |
| | DOSE: 20 PPM LOW M | DISP: Dead | HISTO: |

ORGAN AND ACCOUNTABLE SITE STATUS

| | | | |
|---------------|----------------|---------|----------------------|
| Stomach | Glandular | Erosion | Multifocal, Moderate |
| Testes | Interstit Cell | Adenoma | Multiple |
| Note: ADENOMA | TGLs = 1-5 | | |

PRIMARY CAUSE OF DEATH

-

Animal Note: PROCESSOR MALFUNCTION

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014
Time Report Requested: 14:14:34
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 67

TRT#: 2

SEX: Male

DAY ON TEST: 730

DOSE: 20 PPM LOW M

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Parathyroid Gland

OBSERVATIONS

| | | | |
|------------------------|----------------|-----------------------|------------------------------|
| Adrenal Gland | Cortex | Hyperplasia | Focal, Mild |
| Eye | Retina | Atrophy | Marked |
| | Lens | Cataract | Mild |
| | Sclera | Metaplasia | Osseous, Multifocal, Minimal |
| Note: CATARACT | TGLs = 1-12 | | |
| Heart | | Cardiomyopathy | Multifocal, Mild |
| Kidney | | Nephropathy | Chronic, Multifocal, Mild |
| Liver | | Focal Cellular Change | |
| | Bile Duct | Hyperplasia | Multifocal, Mild |
| | | Inflammation | Chronic, Multifocal, Minimal |
| Pancreas | Acinus | Atrophy | Focal, Mild |
| | Acinus | Hyperplasia | Focal, Mild |
| Pituitary Gland | Pars Distalis | Adenoma | |
| [Adenoma TGLS = 3-1] | | | |
| Preputial Gland | | Inflammation | Chronic, Multifocal, Minimal |
| Seminal Vesicle | | Atrophy | Diffuse, Mild |
| Testes | Interstit Cell | Adenoma | Multiple |
| Note: ADENOMA | TGLs = 2-5 | | |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014

Time Report Requested: 14:14:34

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 67

TRT#: 2

SEX: Male

DAY ON TEST: 730

DOSE: 20 PPM LOW M

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Animal Note: PROCESSOR MALFUNCTION

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014

Time Report Requested: 14:14:34

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 68

TRT#: 2

SEX: Male

DAY ON TEST: 682

DOSE: 20 PPM LOW M

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

| | | | |
|---------------------------|-----------------|----------------------------------|------------------------------|
| Adrenal Gland | Medulla | Pheochromocytoma Benign | |
| Brain | Hypothalamus | Compression | Mild |
| Eye | Sclera | Metaplasia | Osseous, Focal, Mild |
| Heart | | Cardiomyopathy | Multifocal, Mild |
| Kidney | | Nephropathy | Chronic, Multifocal, Mild |
| Liver | | Focal Cellular Change | |
| | Bile Duct | Hyperplasia | Multifocal, Mild |
| | Centrilobular | Necrosis | Acute, Marked |
| Note: NECROSIS TGLs = 1-3 | | | |
| Lung | Interstitialium | Inflammation | Chronic, Multifocal, Minimal |
| Mammary Gland | Duct | Ectasia | Moderate |
| Pancreas | Acinus | Atrophy | Focal, Minimal |
| Pituitary Gland | Pars Distalis | Adenoma | |
| Note: ADENOMA TGLs = 2-1 | | | |
| Spleen | | Hematopoietic Cell Proliferation | Mild |
| Thyroid Gland | C Cell | Hyperplasia | Multifocal, Mild |

PRIMARY CAUSE OF DEATH

-

Animal Note: PROCESSOR MALFUNCTION

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014
Time Report Requested: 14:14:34
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 69

TRT#: 2

SEX: Male

DAY ON TEST: 730

DOSE: 20 PPM LOW M

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

| | | | |
|-------------------|----------------|-----------------------|--------------------------------------|
| Eye | Sclera | Metaplasia | Osseous, Multifocal, Mild |
| Heart | | Cardiomyopathy | Multifocal, Mild |
| Kidney | | Nephropathy | Chronic, Multifocal, Mild |
| Note: NEPHROPATHY | TGLs = 4-4 | | |
| Liver | | Degeneration | Cystic, Focal, Mild |
| | | Fatty Change | Minimal |
| | | Focal Cellular Change | |
| | Bile Duct | Hyperplasia | Multifocal, Mild |
| Mesentery | Fat | Necrosis | Mild |
| Note: NECROSIS | TGLs = 3-12 | | |
| Nose | | Fungus | Moderate |
| | Mucosa | Inflammation | Chronic Active, Multifocal, Moderate |
| | Mucosa | Metaplasia | Squamous, Focal, Mild |
| Pancreas | Acinus | Atrophy | Multifocal, Moderate |
| Pituitary Gland | Pars Distalis | Adenoma | |
| Preputial Gland | | Inflammation | Chronic, Multifocal, Mild |
| Seminal Vesicle | | Atrophy | Diffuse, Marked |
| Testes | Interstit Cell | Adenoma | Multiple |
| | | Atrophy | Diffuse, Marked |
| | Interstit Cell | Hyperplasia | Multifocal, Mild |
| Note: ATROPHY | TGLs = 2-5 | | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014
Time Report Requested: 14:14:34
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 69

TRT#: 2

SEX: Male

DAY ON TEST: 730

DOSE: 20 PPM LOW M

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Note: ADENOMA TGLs = 1

PRIMARY CAUSE OF DEATH

-

Animal Note: PROCESSOR MALFUNCTION

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014
Time Report Requested: 14:14:34
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 70

TRT#: 2

SEX: Male

DAY ON TEST: 730

DOSE: 20 PPM LOW M

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

| | | | |
|---------------------------------|----------------|----------------------------|---------------------------|
| Eye | Sclera | Metaplasia | Osseous, Multifocal, Mild |
| Heart | | Cardiomyopathy | Multifocal, Mild |
| Kidney | | Nephropathy | Chronic, Multifocal, Mild |
| Liver | | Hepatodiaphragmatic Nodule | |
| | Bile Duct | Hyperplasia | Multifocal, Minimal |
| Note: ANOM HEPAT LOB TGLs = 2-3 | | | |
| Nose | Mucosa | Inflammation | Chronic, Focal, Mild |
| Preputial Gland | | Inflammation | Chronic, Multifocal, Mild |
| Seminal Vesicle | | Atrophy | Diffuse, Moderate |
| Testes | Interstit Cell | Adenoma | Multiple |
| Note: ADENOMA TGLs = 1-5 | | | |
| Thyroid Gland | Follicle | Cyst | Mild |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014
Time Report Requested: 14:14:34
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 71

TRT#: 2

SEX: Male

DAY ON TEST: 723

DOSE: 20 PPM LOW M

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|-------------------------|---------------------------|--------------------------|----------------------------|
| Bone | Brain | Epididymis | Esophagus |
| Intestine Large - Cecum | Intestine Large - Colon | Intestine Large - Rectum | Intestine Small - Duodenum |
| Intestine Small - Ileum | Intestine Small - Jejunum | Larynx | Lymph Node - Mesenteric |
| Nose | Parathyroid Gland | Pituitary Gland | Skin |
| Spinal Cord | Stomach - Forestomach | Stomach - Glandular | Testes |
| Trachea | Urinary Bladder | | |

MISSING

| | | | |
|------------------------|-------------------------|--------------------|-------------------------|
| Adrenal Gland - Cortex | Adrenal Gland - Medulla | Islets, Pancreatic | Lymph Node - Mandibular |
| Preputial Gland | Salivary Glands | | |

OBSERVATIONS

| | | | |
|--|------------|----------------------|-------------------------------|
| Bone Marrow | | Leukemia Mononuclear | |
| Brain | | | |
| Note: BRAIN-BEST SECTION | | | |
| Eye | Retina | Atrophy | Mild |
| | Sclera | Metaplasia | Osseous, Multifocal, Mild |
| Note: EYE-LENS NOT PRESENT IN SECTION-BEST SECTION | | | |
| Note: ATROPHY TGLs = 1-12 | | | |
| Heart | | Cardiomyopathy | Multifocal, Mild |
| | | Leukemia Mononuclear | |
| Kidney | | Nephropathy | Chronic, Multifocal, Moderate |
| Liver | | Fatty Change | Moderate |
| | Bile Duct | Hyperplasia | Multifocal, Moderate |
| | | Leukemia Mononuclear | |
| Note: FATTY CHANGE TGLs = 3-3 | | | |
| Note: HYPERPLASIA TGLs = 3-3 | | | |
| Note: LEUKEMIA MONUC TGLs = 3-3 | | | |
| Lung | | Leukemia Mononuclear | |
| Lymph Node | Pancreatic | Leukemia Mononuclear | |
| Mammary Gland | Duct | Ectasia | Mild |
| Pancreas | Acinus | Atrophy | Multifocal, Mild |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014
Time Report Requested: 14:14:34
First Dose M/F: NA / NA
Lab: MBA

| | | | |
|----------------------|---------------------------|-----------------------|-------------------------|
| ANIMAL ID: 71 | TRT#: 2 | SEX: Male | DAY ON TEST: 723 |
| | DOSE: 20 PPM LOW M | DISP: Moribund | HISTO: |

ORGAN AND ACCOUNTABLE SITE STATUS

| | | | |
|---------------------------------|------------|----------------------|------------------|
| Prostate | Epithelium | Hyperplasia | Multifocal, Mild |
| Seminal Vesicle | | Atrophy | Diffuse, Mild |
| Spleen | | Leukemia Mononuclear | |
| Note: LEUKEMIA MONUC TGLs = 2-3 | | | |
| Thymus | | Leukemia Mononuclear | |
| Thyroid Gland | C Cell | Hyperplasia | Focal, Mild |

PRIMARY CAUSE OF DEATH

-

Animal Note: PROCESSOR MALFUNCTION

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014

Time Report Requested: 14:14:34

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 72

TRT#: 2

SEX: Male

DAY ON TEST: 730

DOSE: 20 PPM LOW M

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|--------------------------|----------------------------|-------------------------|---------------------------|
| Adrenal Gland - Cortex | Bone | Bone Marrow | Brain |
| Epididymis | Esophagus | Intestine Large - Cecum | Intestine Large - Colon |
| Intestine Large - Rectum | Intestine Small - Duodenum | Intestine Small - Ileum | Intestine Small - Jejunum |
| Islets, Pancreatic | Larynx | Lung | Lymph Node - Mandibular |
| Lymph Node - Mesenteric | Mammary Gland | Preputial Gland | Salivary Glands |
| Skin | Spinal Cord | Spleen | Stomach - Forestomach |
| Stomach - Glandular | Thymus | Trachea | |

MISSING

| | | | |
|-------------------------|-------------------|----------|-----------------|
| Adrenal Gland - Medulla | Parathyroid Gland | Prostate | Seminal Vesicle |
| Urinary Bladder | | | |

OBSERVATIONS

| | | | |
|--|----------------|----------------|-------------------------------|
| Eye | Sclera | Metaplasia | Osseous, Multifocal, Mild |
| Heart | | Cardiomyopathy | Multifocal, Mild |
| Kidney | | Nephropathy | Chronic, Multifocal, Moderate |
| Liver | | Degeneration | Cystic, Focal, Mild |
| | Bile Duct | Hyperplasia | Multifocal, Minimal |
| Nose | Nasolacrim Dct | Inflammation | Chronic Active, Mild |
| Pancreas | Acinus | Atrophy | Multifocal, Mild |
| Pituitary Gland | Pars Distalis | Angiectasis | Mild |
| Note: ANGIECTASIS TGLs = 3-1 | | | |
| Testes | Interstit Cell | Adenoma | |
| Note: TESTES-ONE OF THE TESTES WAS NOT PRESENT IN THE WET TISSUE | | | |
| Note: ADENOMA TGLs = 1-5 | | | |
| Note: AT TRIMMING UNABLE TO VERIFY TGL-2-NST | | | |
| Thyroid Gland | C Cell | Hyperplasia | Focal, Minimal |

PRIMARY CAUSE OF DEATH

-

Animal Note: PROCESSOR MALFUNCTION

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014

Time Report Requested: 14:14:34

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 73

TRT#: 2

SEX: Male

DAY ON TEST: 730

DOSE: 20 PPM LOW M

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Brain
Intestine Large - Colon
Intestine Small - Jejunum
Lymph Node - Mesenteric
Preputial Gland
Skin
Stomach - Glandular
Urinary Bladder

Adrenal Gland - Medulla
Epididymis
Intestine Large - Rectum
Islets, Pancreatic
Mammary Gland
Prostate
Spinal Cord
Thymus

Bone
Esophagus
Intestine Small - Duodenum
Larynx
Nose
Salivary Glands
Spleen
Thyroid Gland

Bone Marrow
Intestine Large - Cecum
Intestine Small - Ileum
Lymph Node - Mandibular
Parathyroid Gland
Seminal Vesicle
Stomach - Forestomach
Trachea

OBSERVATIONS

Brain
Note: BRAIN-DAMAGED AT NECROPSY
Eye
Heart
Kidney
Liver
Lung
Pancreas
Pituitary Gland
Note: ADENOMA TGLs = 2-1
Testes
Note: ADENOMA TGLs = 1-5

Sclera
Bile Duct
Acinus
Pars Distalis
Interstit Cell

Metaplasia
Cardiomyopathy
Nephropathy
Focal Cellular Change
Hyperplasia
Infiltration Cellular
Atrophy
Adenoma
Adenoma

Osseous, Focal, Mild
Multifocal, Minimal
Chronic, Multifocal, Mild
Multifocal, Mild
Histiocyte, Multifocal, Minimal
Focal, Minimal
Multiple

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014

Time Report Requested: 14:14:34

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 74

TRT#: 2

SEX: Male

DAY ON TEST: 384

DOSE: 20 PPM LOW M

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

OBSERVATIONS

| | | | |
|---|--------------|----------------------|-------------------------|
| Blood Vessel | Aorta | Arteriosclerosis | Marked |
| Eye | Sclera | Metaplasia | Osseous, Focal, Minimal |
| Kidney | Pelvis | Dilatation | Mild |
| | Renal Tubule | Mineralization | Multifocal, Moderate |
| Liver | Bile Duct | Hyperplasia | Multifocal, Minimal |
| Note: LIVER-NO TG-2-MOSTLY DUE TO EARLY AUTOLYSIS | | | |
| Lung | | Leukocytosis | Moderate |
| Spinal Cord | Nerve | Schwannoma Malignant | |
| Urinary Bladder | | Inflammation | Hemorrhagic, Moderate |
| Note: INFLAMMATION TGLs = 1-4 | | | |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014
Time Report Requested: 14:14:34
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 75

TRT#: 2

SEX: Male

DAY ON TEST: 730

DOSE: 20 PPM LOW M

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland

OBSERVATIONS

| | | | |
|------------------------------|----------------|-------------------------|----------------------------------|
| Adrenal Gland | Medulla | Pheochromocytoma Benign | |
| Eye | Lens | Cataract | Mild |
| | Sclera | Metaplasia | Osseous, Multifocal, Mild |
| Heart | | Cardiomyopathy | Multifocal, Mild |
| Kidney | | Nephropathy | Chronic, Multifocal, Moderate |
| Liver | | Degeneration | Cystic, Multifocal, Mild |
| | Bile Duct | Hyperplasia | Multifocal, Minimal |
| Lung | | Infiltration Cellular | Histiocyte, Multifocal, Minimal |
| Nose | Mucosa | Inflammation | Chronic, Multifocal, Minimal |
| Pituitary Gland | Pars Distalis | Adenoma | |
| | Pars Distalis | Angiectasis | Mild |
| Note: PITUITARY-BEST SECTION | | | |
| Preputial Gland | | Inflammation | Chronic Active, Multifocal, Mild |
| Testes | Interstit Cell | Adenoma | |
| Thyroid Gland | C Cell | Hyperplasia | Multifocal, Mild |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014

Time Report Requested: 14:14:34

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 76

TRT#: 2

SEX: Male

DAY ON TEST: 730

DOSE: 20 PPM LOW M

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|--------------------------|----------------------------|-------------------------|---------------------------|
| Adrenal Gland - Cortex | Bone | Bone Marrow | Brain |
| Epididymis | Esophagus | Intestine Large - Cecum | Intestine Large - Colon |
| Intestine Large - Rectum | Intestine Small - Duodenum | Intestine Small - Ileum | Intestine Small - Jejunum |
| Islets, Pancreatic | Larynx | Lung | Lymph Node - Mandibular |
| Mammary Gland | Pancreas | Prostate | Salivary Glands |
| Spinal Cord | Spleen | Stomach - Forestomach | Stomach - Glandular |
| Thymus | Trachea | Urinary Bladder | |

MISSING

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

OBSERVATIONS

| | | | |
|---------------------------------------|----------------|-------------------------|------------------------------|
| Adrenal Gland | Medulla | Pheochromocytoma Benign | Multiple |
| Brain | | | |
| Note: BRAIN-BEST SECTION POSSIBLE | | | |
| Eye | Sclera | Metaplasia | Osseous, Focal, Mild |
| Heart | | Cardiomyopathy | Multifocal, Mild |
| Kidney | | Nephropathy | Chronic, Multifocal, Mild |
| Liver | Bile Duct | Hyperplasia | Multifocal, Mild |
| Nose | Nasolacrim Dct | Inflammation | Chronic, Mild |
| Pituitary Gland | Pars Distalis | Adenoma | |
| Note: PITUITARY-BEST SECTION POSSIBLE | | | |
| Preputial Gland | | Inflammation | Chronic, Multifocal, Minimal |
| Seminal Vesicle | | Atrophy | Diffuse, Minimal |
| Skin | | Squamous Cell Papilloma | |
| Note: PAPILLOMA SQUA TGLs = 3-5 | | | |
| Testes | Interstit Cell | Adenoma | |
| | | Atrophy | Diffuse, Minimal |
| | Interstit Cell | Hyperplasia | Multifocal, Minimal |
| Note: ATROPHY TGLs = 2-5 | | | |
| Note: ADENOMA TGLs = 1-5 | | | |
| Thyroid Gland | C Cell | Adenoma | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014

Time Report Requested: 14:14:34

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 76

TRT#: 2

SEX: Male

DAY ON TEST: 730

DOSE: 20 PPM LOW M

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014

Time Report Requested: 14:14:34

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 77

TRT#: 2

SEX: Male

DAY ON TEST: 730

DOSE: 20 PPM LOW M

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Epididymis
Intestine Large - Rectum
Islets, Pancreatic
Lymph Node - Mesenteric
Seminal Vesicle
Stomach - Forestomach
Trachea

Bone
Esophagus
Intestine Small - Duodenum
Larynx
Pituitary Gland
Skin
Stomach - Glandular
Urinary Bladder

Bone Marrow
Intestine Large - Cecum
Intestine Small - Ileum
Lung
Prostate
Spinal Cord
Thymus

Brain
Intestine Large - Colon
Intestine Small - Jejunum
Lymph Node - Mandibular
Salivary Glands
Spleen
Thyroid Gland

MISSING

Adrenal Gland - Medulla

Mammary Gland

OBSERVATIONS

Eye
Heart
Kidney
 Note: NEPHROPATHY TGLs = 2-4
Liver
Nose
Pancreas
Parathyroid Gland
Preputial Gland
Testes
 Note: ADENOMA TGLs = 1-5

Retina
Lens
Sclera
Bile Duct
Nasolacrim Dct
Acinus
Interstit Cell

Atrophy
Cataract
Metaplasia
Cardiomyopathy
Nephropathy
Hyperplasia
Inflammation
Atrophy
Adenoma
Inflammation
Adenoma

Minimal
Minimal
Osseous, Multifocal, Mild
Multifocal, Mild
Chronic, Multifocal, Moderate
Multifocal, Mild
Chronic, Mild
Focal, Mild
Chronic Active, Multifocal, Minimal
Multiple

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014

Time Report Requested: 14:14:34

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 78

TRT#: 2

SEX: Male

DAY ON TEST: 730

DOSE: 20 PPM LOW M

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

| | |
|-------------------|-----------------|
| Parathyroid Gland | Preputial Gland |
|-------------------|-----------------|

OBSERVATIONS

| | | | |
|---|----------------|----------------------------|-----------------------------|
| Eye | Sclera | Metaplasia | Osseous, Focal, Minimal |
| Heart | | Cardiomyopathy | Multifocal, Mild |
| Kidney | | Nephropathy | Chronic, Multifocal, Mild |
| Liver | | Carcinoma | Metastatic (Testes) |
| | | Hepatodiaphragmatic Nodule | |
| | Bile Duct | Hyperplasia | Multifocal, Mild |
| Note: ANOM HEPAT LOB TGLs = 4-3 | | | |
| Note: LIVER-THIS INTERSTITIAL CELL TUMOR DESERVES A LOOK BY THE | | | |
| Note: PWG. | | | |
| Pancreas | Acinus | Atrophy | Multifocal, Minimal |
| Pituitary Gland | Pars Distalis | Adenoma | |
| Skin | | Inflammation | Chronic Active, Focal, Mild |
| Spleen | | Carcinoma | Metastatic (Testes) |
| Note: CARCINOMA TGLs = 3-3 | | | |
| Testes | Interstit Cell | Adenoma | Multiple |
| | Interstit Cell | Carcinoma | |
| Note: CARCINOMA TGLs = 1-5 | | | |
| Note: TESTES-THIS INTERSTITIAL CELL TUMOR DESERVES A | | | |
| Note: LOOK BY THE PWG. | | | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014

Time Report Requested: 14:14:34

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 78

TRT#: 2

SEX: Male

DAY ON TEST: 730

DOSE: 20 PPM LOW M

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Note: ADENOMA TGLs = 2-5

PRIMARY CAUSE OF DEATH

-

Animal Note: PROCESSOR MALFUNCTION

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014

Time Report Requested: 14:14:34

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 79

TRT#: 2

SEX: Male

DAY ON TEST: 730

DOSE: 20 PPM LOW M

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

| | | | |
|--|----------------|--------------------------------|---------------------------|
| Adrenal Gland | Cortex | Hyperplasia | Focal, Mild |
| Brain | | | |
| Note: BRAIN-BEST SECTION-DAMAGED AT NECROPSY | | | |
| Eye | Sclera | Metaplasia | Osseous, Focal, Mild |
| Heart | | Cardiomyopathy | Multifocal, Mild |
| Kidney | | Nephropathy | Chronic, Multifocal, Mild |
| Liver | Bile Duct | Hyperplasia | Multifocal, Mild |
| | | Leukemia Mononuclear | |
| Lung | | Alveolar/Bronchiolar Carcinoma | |
| | | Leukemia Mononuclear | |
| Lymph Node | Mesenteric | Degeneration | Cystic, Mild |
| Nose | Nasolacrim Dct | Inflammation | Chronic, Mild |
| Pancreas | Artery | Inflammation | Chronic, Moderate |
| Pituitary Gland | Pars Distalis | Adenoma | |
| Prostate | | Hyperplasia | Focal, Mild |
| Spleen | | Leukemia Mononuclear | |
| Testes | Interstit Cell | Adenoma | |

Note: ADENOMA TGLs = 1-5

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014

Time Report Requested: 14:14:34

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 80

TRT#: 2

SEX: Male

DAY ON TEST: 730

DOSE: 20 PPM LOW M

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Epididymis
Intestine Large - Rectum
Islets, Pancreatic
Lymph Node - Mesenteric
Spinal Cord
Thymus

Bone
Esophagus
Intestine Small - Duodenum
Larynx
Mammary Gland
Spleen
Thyroid Gland

Bone Marrow
Intestine Large - Cecum
Intestine Small - Ileum
Lung
Parathyroid Gland
Stomach - Forestomach
Trachea

Brain
Intestine Large - Colon
Intestine Small - Jejunum
Lymph Node - Mandibular
Salivary Glands
Stomach - Glandular
Urinary Bladder

OBSERVATIONS

Adrenal Gland
Eye
Heart
Kidney
 Note: NEPHROPATHY TGLs = 3-4
Liver

Nose
Pancreas

Pituitary Gland
 [Adenoma TGLS = 4-1]
Preputial Gland
Prostate
Seminal Vesicle
Skin
 Note: FIBROMA TGLs = 1-5
Testes
 Note: ADENOMA TGLs = 2-5

Medulla
Sclera

Bile Duct
Nasolacrim Dct
Acinus
Acinus
Pars Distalis

Subcut Tiss

Interstit Cell

Hyperplasia
Metaplasia
Cardiomyopathy
Nephropathy

Focal Cellular Change
Hyperplasia
Inflammation
Atrophy
Hyperplasia
Adenoma

Inflammation
Hyperplasia
Atrophy
Fibroma

Adenoma

Focal, Mild
Osseous, Multifocal, Mild
Multifocal, Mild
Chronic, Multifocal, Mild

Multifocal, Mild
Chronic Active, Mild
Multifocal, Mild
Focal, Mild

Chronic Active, Multifocal, Mild
Focal, Mild
Diffuse, Moderate

Multiple

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014

Time Report Requested: 14:14:34

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 81

TRT#: 2

SEX: Male

DAY ON TEST: 705

DOSE: 20 PPM LOW M

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|----------------------------|-------------------------|---------------------------|--------------------------|
| Adrenal Gland - Cortex | Bone | Brain | Epididymis |
| Esophagus | Intestine Large - Cecum | Intestine Large - Colon | Intestine Large - Rectum |
| Intestine Small - Duodenum | Intestine Small - Ileum | Intestine Small - Jejunum | Larynx |
| Lymph Node - Mandibular | Lymph Node - Mesenteric | Mammary Gland | Pancreas |
| Parathyroid Gland | Pituitary Gland | Salivary Glands | Skin |
| Spinal Cord | Stomach - Forestomach | Stomach - Glandular | Thymus |
| Thyroid Gland | Trachea | | |

MISSING

Spleen

OBSERVATIONS

| | | | |
|---------------------------------|-----------|------------------|-----------------------------|
| Adrenal Gland | Medulla | Hyperplasia | Focal, Mild |
| Blood Vessel | Aorta | Arteriosclerosis | Marked |
| Bone Marrow | | Hyperplasia | Mild |
| Brain | | | |
| Note: BRAIN-BEST SECTION | | | |
| Note: DAMAGED AT NECROSPY | | | |
| Eye | Sclera | Metaplasia | Osseous, Focal, Minimal |
| Heart | | Mineralization | Multifocal, Moderate |
| Islets, Pancreatic | | Adenoma | |
| Kidney | Pelvis | Dilatation | Mild |
| | Papilla | Necrosis | Marked |
| | | Nephropathy | Chronic, Multifocal, Marked |
| Note: NEPHROPATHY TGLs = 6-4 | | | |
| Liver | | Degeneration | Cystic, Focal, Minimal |
| | Bile Duct | Hyperplasia | Multifocal, Mild |
| Note: HYPERPLASIA TGLs = 7-3 | | | |
| Note: DEGEN TGLs = 7-3 | | | |
| Lung | | Inflammation | Acute, Multifocal, Mild |
| Note: INFLAMMATION TGLs = 8-6,7 | | | |
| Nose | | Fungus | Mild |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014
Time Report Requested: 14:14:34
First Dose M/F: NA / NA
Lab: MBA

| | | | |
|----------------------|---------------------------|-------------------|-------------------------|
| ANIMAL ID: 81 | TRT#: 2 | SEX: Male | DAY ON TEST: 705 |
| | DOSE: 20 PPM LOW M | DISP: Dead | HISTO: |

ORGAN AND ACCOUNTABLE SITE STATUS

| | | | |
|---|----------------|---------------------------------|---------------------------------|
| Preputial Gland | Mucosa | Inflammation | Acute, Multifocal, Mild |
| Note: INFLAMMATION TGLs = 1-8 | | Inflammation | Acute, Multifocal, Marked |
| Prostate | | Inflammation | Chronic Active, Diffuse, Marked |
| Seminal Vesicle | | Inflammation | Acute, Mild |
| Spleen | | | |
| Note: TGL-5-NST | | | |
| Note: SPLEEN-NST AS ORGAN WAS NOT PRESENT AT TRIMMING | | | |
| Testes | Interstit Cell | Adenoma | Multiple |
| Note: ADENOMA TGLs = 3,4-5 | | | |
| Urinary Bladder | | Calculus Micro Observation Only | Mild |
| | | Inflammation | Subacute, Mild |
| | Transit Epithe | Papilloma | |
| Note: PAPILLOMA TGLs = 9-12 | | | |
| Note: INFLAMMATION TGLs = 2-4 | | | |
| Note: PAPILLOMA TGLs = 2-12 | | | |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014

Time Report Requested: 14:14:34

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 82

TRT#: 2

SEX: Male

DAY ON TEST: 730

DOSE: 20 PPM LOW M

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

| | | |
|-------------------|-----------------|--------|
| Parathyroid Gland | Pituitary Gland | Thymus |
|-------------------|-----------------|--------|

OBSERVATIONS

| | | | |
|-----------------|----------------|-----------------------|----------------------------------|
| Adrenal Gland | Cortex | Hyperplasia | Focal, Mild |
| Eye | Sclera | Metaplasia | Osseous, Focal, Minimal |
| Heart | | Cardiomyopathy | Multifocal, Mild |
| Kidney | | Nephropathy | Chronic, Multifocal, Mild |
| Liver | | Degeneration | Cystic, Focal, Minimal |
| | | Focal Cellular Change | |
| | Bile Duct | Hyperplasia | Multifocal, Mild |
| Lung | | Infiltration Cellular | Histiocyte, Multifocal, Minimal |
| Lymph Node | Mandibular | Degeneration | Cystic, Mild |
| Nose | Nasolacrim Dct | Inflammation | Chronic, Mild |
| Pancreas | Acinus | Atrophy | Focal, Mild |
| Preputial Gland | | Inflammation | Chronic Active, Multifocal, Mild |
| Seminal Vesicle | | Atrophy | Diffuse, Mild |
| Testes | Interstit Cell | Adenoma | Multiple |

Note: ADENOMA TGLs = 1-5

PRIMARY CAUSE OF DEATH

-

Animal Note: PROCESSOR MALFUNCTION

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014
Time Report Requested: 14:14:34
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 83

TRT#: 2

SEX: Male

DAY ON TEST: 730

DOSE: 20 PPM LOW M

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|-------------------------|---------------------------|--------------------------|----------------------------|
| Brain | Epididymis | Esophagus | Eye |
| Intestine Large - Cecum | Intestine Large - Colon | Intestine Large - Rectum | Intestine Small - Duodenum |
| Intestine Small - Ileum | Intestine Small - Jejunum | Islets, Pancreatic | Larynx |
| Lymph Node - Mesenteric | Mammary Gland | Nose | Pancreas |
| Pituitary Gland | Prostate | Salivary Glands | Spinal Cord |
| Stomach - Forestomach | Stomach - Glandular | Thyroid Gland | Trachea |
| Urinary Bladder | | | |

MISSING

| | | |
|-------------------------|-------------------|--------|
| Adrenal Gland - Medulla | Parathyroid Gland | Thymus |
|-------------------------|-------------------|--------|

OBSERVATIONS

| | | | |
|-----------------------------------|--------------|-----------------------|---------------------------------|
| Adrenal Gland | Cortex | Degeneration | Focal, Mild |
| Bone | | Hyperostosis | Mild |
| Bone Marrow | | Leukemia Mononuclear | |
| Brain | | | |
| Note: BRAIN-BEST SECTION POSSIBLE | | | |
| Heart | | Cardiomyopathy | Multifocal, Mild |
| | Valve | Inflammation | Chronic, Moderate |
| Kidney | | Nephropathy | Chronic, Multifocal, Mild |
| | Renal Tubule | Pigmentation | Mild |
| Note: NEPHROPATHY TGLs = 4-4 | | | |
| Liver | | Hyperplasia | Multifocal, Moderate |
| | | Hyperplasia | Focal, Moderate |
| | | Leukemia Mononuclear | |
| Note: [HYPERPLASIA] TGLs = 5-3 | | | |
| Note: LEUKEMIA MONUC TGLs = 6-3 | | | |
| Lung | | Infiltration Cellular | Histiocyte, Multifocal, Minimal |
| | | Leukemia Mononuclear | |
| Lymph Node | Mandibular | Leukemia Mononuclear | |
| Note: LEUKEMIA MONUC TGLs = 7-2 | | | |
| Preputial Gland | | Adenoma | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014
Time Report Requested: 14:14:34
First Dose M/F: NA / NA
Lab: MBA

| | | | |
|----------------------|---------------------------|---------------------------------|-------------------------|
| ANIMAL ID: 83 | TRT#: 2 | SEX: Male | DAY ON TEST: 730 |
| | DOSE: 20 PPM LOW M | DISP: Terminal Sacrifice | HISTO: |

ORGAN AND ACCOUNTABLE SITE STATUS

| | | | |
|---------------------------------|----------------|----------------------|---------------------------|
| Note: ADENOMA TGLs = 1-8 | | Inflammation | Chronic, Multifocal, Mild |
| Seminal Vesicle | | Atrophy | Diffuse, Moderate |
| Skin | Subcut Tiss | Inflammation | Chronic, Focal, Mild |
| Spleen | | Leukemia Mononuclear | |
| Note: LEUKEMIA MONUC TGLs = 3-3 | | | |
| Testes | Interstit Cell | Adenoma | Multiple |
| Note: ADENOMA TGLs = 2-5 | | | |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014
Time Report Requested: 14:14:34
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 84 **TRT#:** 2 **SEX:** Male **DAY ON TEST:** 730
DOSE: 20 PPM LOW M **DISP:** Terminal Sacrifice **HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

| | | | |
|---------------------|---------------|-------------------------|---------------------------------|
| Adrenal Gland | Cortex | Degeneration | Focal, Mild |
| | Medulla | Pheochromocytoma Benign | |
| Note: PHEOCHROM BGN | | | |
| TGLs = 3-4 | | | |
| Eye | Retina | Atrophy | Marked |
| | Lens | Cataract | Moderate |
| | Antr Chamber | Hemorrhage | Marked |
| | Sclera | Metaplasia | Osseous, Multifocal, Mild |
| Note: HEMORRHAGE | | | |
| TGLs = 2-12 | | | |
| Heart | | Cardiomyopathy | Multifocal, Mild |
| Kidney | | Nephropathy | Chronic, Multifocal, Moderate |
| Note: NEPHROPATHY | | | |
| TGLs = 4-4 | | | |
| Liver | | Degeneration | Cystic, Focal, Minimal |
| | | Focal Cellular Change | |
| | Bile Duct | Hyperplasia | Multifocal, Minimal |
| Lung | | Infiltration Cellular | Histiocyte, Multifocal, Minimal |
| Nose | Mucosa | Inflammation | Chronic, Multifocal, Minimal |
| Pancreas | Acinus | Atrophy | Focal, Minimal |
| | Acinus | Focal Cellular Change | |
| Pituitary Gland | Pars Distalis | Hyperplasia | Focal, Mild |
| Preputial Gland | | Inflammation | Chronic, Multifocal, Mild |
| Prostate | | Inflammation | Subacute, Focal, Mild |
| Seminal Vesicle | | Atrophy | Diffuse, Mild |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014

Time Report Requested: 14:14:34

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 84

TRT#: 2

SEX: Male

DAY ON TEST: 730

DOSE: 20 PPM LOW M

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Testes
Note: ADENOMA TGLs = 1-5

Interstit Cell

Adenoma

Multiple

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014
Time Report Requested: 14:14:34
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 85

TRT#: 2

SEX: Male

DAY ON TEST: 730

DOSE: 20 PPM LOW M

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

| | | | |
|--|----------------|-------------------------|---------------------------------|
| Adrenal Gland | Medulla | Pheochromocytoma Benign | Multiple |
| Brain | Hypothalamus | Compression | Moderate |
| Eye | Retina | Atrophy | Marked |
| | Lens | Cataract | Moderate |
| | Sclera | Metaplasia | Osseous, Focal, Mild |
| Heart | | Cardiomyopathy | Multifocal, Mild |
| Kidney | | Nephropathy | Chronic, Multifocal, Moderate |
| Liver | | Focal Cellular Change | |
| | Bile Duct | Hyperplasia | Multifocal, Minimal |
| Lung | | Infiltration Cellular | Histiocyte, Multifocal, Minimal |
| Lymph Node | Mesenteric | Infiltration Cellular | Histiocyte, Mild |
| Mammary Gland | Duct | Ectasia | Mild |
| Pancreas | Acinus | Atrophy | Focal, Minimal |
| Pituitary Gland | Pars Distalis | Adenoma | |
| Note: ADENOMA TGLs = 3-1 | | | |
| Preputial Gland | | Inflammation | Chronic, Multifocal, Mild |
| Seminal Vesicle | | Atrophy | Diffuse, Mild |
| Skin | | Keratoacanthoma | |
| Note: KERATOACANTHMA TGLs = 1-12.1 | | | |
| Testes | Interstit Cell | Adenoma | Multiple |
| | Interstit Cell | Hyperplasia | Multifocal, Mild |
| Note: TESTIS-T-G-2-NO COROLLARY LESION | | | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014
Time Report Requested: 14:14:34
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 85

TRT#: 2

SEX: Male

DAY ON TEST: 730

DOSE: 20 PPM LOW M

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014
Time Report Requested: 14:14:34
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 86

TRT#: 2

SEX: Male

DAY ON TEST: 730

DOSE: 20 PPM LOW M

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

| | | | |
|------------------------------|----------------|-------------------------|----------------------------------|
| Adrenal Gland | Medulla | Pheochromocytoma Benign | |
| Eye | Sclera | Metaplasia | Osseous, Multifocal, Minimal |
| Heart | | Cardiomyopathy | Multifocal, Mild |
| Kidney | | Nephropathy | Chronic, Multifocal, Moderate |
| Note: NEPHROPATHY TGLs = 2-4 | | | |
| Liver | | Focal Cellular Change | |
| | Bile Duct | Hyperplasia | Multifocal, Mild |
| Lung | | Infiltration Cellular | Histiocyte, Multifocal, Minimal |
| Mammary Gland | Duct | Ectasia | Moderate |
| Mesentery | Fat | Necrosis | Moderate |
| Note: NECROSIS TGLs = 1-12 | | | |
| Nose | Nasolacrim Dct | Inflammation | Chronic, Minimal |
| Pituitary Gland | Pars Distalis | Adenoma | |
| Preputial Gland | | Inflammation | Chronic Active, Multifocal, Mild |
| Testes | Interstit Cell | Hyperplasia | Multifocal, Mild |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014

Time Report Requested: 14:14:34

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 87

TRT#: 2

SEX: Male

DAY ON TEST: 660

DOSE: 20 PPM LOW M

DISP: Dead

HISTO:

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

OBSERVATIONS

| | | | |
|------------------------------|----------------|------------------------------|------------------------------|
| Adrenal Gland | Cortex | Hyperplasia | Focal, Minimal |
| Brain | Hypothalamus | Compression | Marked |
| Eye | Sclera | Metaplasia | Osseous, Multifocal, Minimal |
| Note: EYE-ONE ONLY | | | |
| Kidney | | Nephropathy | Chronic, Multifocal, Mild |
| Note: NEPHROPATHY TGLs = 2-4 | | | |
| Liver | Bile Duct | Hyperplasia | Multifocal, Minimal |
| Lung | Alveolar Epith | Alveolar/Bronchiolar Adenoma | |
| | Duct | Hyperplasia | Multifocal, Mild |
| Mammary Gland | Pars Distalis | Ectasia | Mild |
| Pituitary Gland | | Adenoma | |
| Preputial Gland | | Adenoma | |
| Testes | Interstit Cell | Adenoma | Multiple |
| Note: ADENOMA TGLs = 1-5 | | | |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014

Time Report Requested: 14:14:34

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 88

TRT#: 2

SEX: Male

DAY ON TEST: 524

DOSE: 20 PPM LOW M

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

| | | | |
|---|----------------|-----------------------|--------------------------------------|
| Adrenal Gland | Cortex | Hyperplasia | Focal, Minimal |
| Eye | Sclera | Metaplasia | Osseous, Focal, Minimal |
| Note: EYE-TGL-2-NO CORROLLARY LESION | | | |
| Heart | | Cardiomyopathy | Multifocal, Mild |
| Intest Large | | | |
| Note: CECUM-TGL-3-NO CORROLLARY LESION | | | |
| Kidney | | Nephropathy | Chronic, Multifocal, Mild |
| Liver | Bile Duct | Hyperplasia | Multifocal, Mild |
| Lung | | Infiltration Cellular | Histiocyte, Multifocal, Minimal |
| Nose | Mucosa | Inflammation | Chronic Active, Multifocal, Moderate |
| Note: SQUAM CEL CARC TGLs = 4-11 | | | |
| Note: NOSE-MALIGNANCY BASED ON EARLY MICROINASOSINUS AT THE | | | |
| Note: THE BASE OF THE LESION | | | |
| Pituitary Gland | Pars Distalis | Cyst | |
| Preputial Gland | | Inflammation | Chronic, Multifocal, Mild |
| Spleen | | | |
| Note: SPLEEN-TGL-2- NO CORROLLARY LESION | | | |
| Testes | Interstit Cell | Adenoma | |
| | Interstit Cell | Hyperplasia | Multifocal, Mild |
| Note: HYPERPLASIA TGLs = 5-5 | | | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014

Time Report Requested: 14:14:34

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 88

TRT#: 2

SEX: Male

DAY ON TEST: 524

DOSE: 20 PPM LOW M

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Note: ADENOMA TGLs = 5-5

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014
Time Report Requested: 14:14:34
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 89

TRT#: 2

SEX: Male

DAY ON TEST: 437

DOSE: 20 PPM LOW M

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

| | | | |
|---|----------------|----------------------------|------------------------------|
| Bone Marrow | | Hyperplasia | Mild |
| Eye | Sclera | Metaplasia | Osseous, Multifocal, Mild |
| Liver | | Hepatodiaphragmatic Nodule | |
| | Bile Duct | Hyperplasia | Multifocal, Minimal |
| Note: ANOM HEPAT LOB TGLs = 1-3 | | | |
| Lymph Node | Mesenteric | Infiltration Cellular | Histiocyte, Mild |
| Mammary Gland | Acinus | Hyperplasia | Focal, Minimal |
| Note: HYPERPLASIA TGLs = 2-5 | | | |
| Preputial Gland | | Inflammation | Chronic, Multifocal, Minimal |
| Seminal Vesicle | | Atrophy | Diffuse, Moderate |
| Skin | Subcut Tiss | Sarcoma | |
| Note: HAVE ORIGINATED IN THE SALIVARY GLAND | | | |
| Note: SKIN-SUBCUTIS.-THIS POORLY DIFFERENTIATED SARCOMA MAY | | | |
| Note: SARCOMA TGLs = 3-12.1 | | | |
| Testes | Interstit Cell | Hyperplasia | Multifocal, Mild |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014
Time Report Requested: 14:14:34
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 90

TRT#: 2

SEX: Male

DAY ON TEST: 694

DOSE: 20 PPM LOW M

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|--------------------------|----------------------------|-------------------------|---------------------------|
| Bone | Brain | Epididymis | Esophagus |
| Eye | Heart | Intestine Large - Cecum | Intestine Large - Colon |
| Intestine Large - Rectum | Intestine Small - Duodenum | Intestine Small - Ileum | Intestine Small - Jejunum |
| Islets, Pancreatic | Larynx | Nose | Parathyroid Gland |
| Prostate | Salivary Glands | Spinal Cord | Thyroid Gland |
| Trachea | | | |

OBSERVATIONS

| | | | |
|------------------------------------|---------------|----------------------|-------------------------------|
| Adrenal Gland | Cortex | Degeneration | Focal, Mild |
| | Medulla | Hyperplasia | Multifocal, Mild |
| Bone Marrow | | Leukemia Mononuclear | |
| Kidney | | Leukemia Mononuclear | |
| | | Nephropathy | Chronic, Multifocal, Mild |
| Liver | Bile Duct | Hyperplasia | Multifocal, Moderate |
| | | Leukemia Mononuclear | |
| Note: HYPERPLASIA TGLs = 3-3 | | | |
| Note: LEUKEMIA MONUC TGLs = 3-3 | | | |
| Lung | | Leukemia Mononuclear | |
| Lymph Node | Mandibular | Leukemia Mononuclear | |
| | Mesenteric | Leukemia Mononuclear | |
| Mammary Gland | | Leukemia Mononuclear | |
| Pancreas | | Leukemia Mononuclear | |
| Pituitary Gland | Pars Distalis | Adenoma | |
| | | Leukemia Mononuclear | |
| Preputial Gland | | Inflammation | Chronic, Multifocal, Moderate |
| Seminal Vesicle | | Atrophy | Diffuse, Moderate |
| Skin | | Leukemia Mononuclear | |
| Spleen | | Leukemia Mononuclear | |
| Note: LEUKEMIA MONUC TGLs = 2-3 | | | |
| Stomach | Glandular | Erosion | Focal, Mild |
| | Forestomach | Ulcer | Moderate |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014
Time Report Requested: 14:14:34
First Dose M/F: NA / NA
Lab: MBA

| | | | |
|----------------------|---------------------------|-----------------------|-------------------------|
| ANIMAL ID: 90 | TRT#: 2 | SEX: Male | DAY ON TEST: 694 |
| | DOSE: 20 PPM LOW M | DISP: Moribund | HISTO: |

ORGAN AND ACCOUNTABLE SITE STATUS

| | | | |
|--------------------------|----------------|----------------------|----------|
| Testes | Interstit Cell | Adenoma | Multiple |
| Note: ADENOMA TGLs = 1-5 | | | |
| Thymus | | Leukemia Mononuclear | |
| Urinary Bladder | | Leukemia Mononuclear | |

PRIMARY CAUSE OF DEATH

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014
Time Report Requested: 14:14:34
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 91

TRT#: 2

SEX: Male

DAY ON TEST: 730

DOSE: 20 PPM LOW M

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|----------------------------|-------------------------|---------------------------|--------------------------|
| Bone | Bone Marrow | Brain | Epididymis |
| Esophagus | Intestine Large - Cecum | Intestine Large - Colon | Intestine Large - Rectum |
| Intestine Small - Duodenum | Intestine Small - Ileum | Intestine Small - Jejunum | Islets, Pancreatic |
| Larynx | Lymph Node - Mesenteric | Parathyroid Gland | Prostate |
| Salivary Glands | Skin | Spinal Cord | Spleen |
| Stomach - Forestomach | Stomach - Glandular | Trachea | Urinary Bladder |

MISSING

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

OBSERVATIONS

| | | | |
|---|----------------|--------------------------------|----------------------------------|
| Adrenal Gland | Cortex | Hyperplasia | Focal, Mild |
| | Medulla | Pheochromocytoma Benign | |
| Eye | Retina | Atrophy | Mild |
| | Sclera | Metaplasia | Osseous, Multifocal, Mild |
| Heart | | Cardiomyopathy | Multifocal, Moderate |
| | Atrium | Thrombosis | |
| Kidney | | Nephropathy | Chronic, Multifocal, Mild |
| Liver | | Focal Cellular Change | |
| | Bile Duct | Hyperplasia | Multifocal, Mild |
| Lung | | Alveolar/Bronchiolar Carcinoma | |
| Note: ALV BRON CARC | TGLs = 2-12 | | |
| Nose | | Fungus | Mild |
| | Mucosa | Inflammation | Chronic Active, Multifocal, Mild |
| Note: INFLAMMATION ASSOCIATED WITH NASAL FUNGUS | | | |
| Note: SLIDE 11 WOULD BE GOOD FOR PHOTOGRAPHY TO DEMONSTRATE | | | |
| Pancreas | Acinus | Atrophy | Multifocal, Mild |
| Pituitary Gland | Pars Distalis | Hyperplasia | Focal, Mild |
| Preputial Gland | | Hyperplasia | Focal, Mild |
| Seminal Vesicle | | Atrophy | Diffuse, Moderate |
| Testes | Interstit Cell | Adenoma | Multiple |
| Note: ADENOMA | TGLs = 1,3-5 | | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014
Time Report Requested: 14:14:34
First Dose M/F: NA / NA
Lab: MBA

| | | | |
|----------------------|---------------------------|---------------------------------|-------------------------|
| ANIMAL ID: 91 | TRT#: 2 | SEX: Male | DAY ON TEST: 730 |
| | DOSE: 20 PPM LOW M | DISP: Terminal Sacrifice | HISTO: |

ORGAN AND ACCOUNTABLE SITE STATUS

| | | | |
|------------------------|--------|-------------|-------------|
| Thyroid Gland | C Cell | Hyperplasia | Focal, Mild |
| PRIMARY CAUSE OF DEATH | - | | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014
Time Report Requested: 14:14:34
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 92

TRT#: 2

SEX: Male

DAY ON TEST: 467

DOSE: 20 PPM LOW M

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Islets, Pancreatic

OBSERVATIONS

| | | | |
|-------------------------------------|----------------|----------------------|---------------------------|
| Adrenal Gland | Cortex | Leukemia Mononuclear | |
| Bone Marrow | | Leukemia Mononuclear | |
| Brain | | Leukemia Mononuclear | |
| [Leukemia Mononuclear TGLS = 2-1] | | | |
| Ear | | | |
| Note: EAR-NORMAL TISSUE | | | |
| Eye | Sclera | Metaplasia | Osseous, Multifocal, Mild |
| Kidney | | Nephropathy | Chronic, Multifocal, Mild |
| Liver | Bile Duct | Hyperplasia | Multifocal, Mild |
| | | Leukemia Mononuclear | |
| Lung | | Leukemia Mononuclear | |
| Lymph Node | Mesenteric | Leukemia Mononuclear | |
| Preputial Gland | | Inflammation | Chronic, Focal, Mild |
| Spinal Cord | | Leukemia Mononuclear | |
| Spleen | | Leukemia Mononuclear | |
| Note: LEUKEMIA MONUC TGLs = 1-3 | | | |
| Stomach | Forestomach | Ulcer | Moderate |
| Note: ULCER TGLs = 4-8 | | | |
| Testes | Interstit Cell | Adenoma | |
| Note: ADENOMA TGLs = 3-5 | | | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014

Time Report Requested: 14:14:34

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 92

TRT#: 2

SEX: Male

DAY ON TEST: 467

DOSE: 20 PPM LOW M

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014
Time Report Requested: 14:14:34
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 93

TRT#: 2

SEX: Male

DAY ON TEST: 730

DOSE: 20 PPM LOW M

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Brain
Intestine Large - Colon
Intestine Small - Jejunum
Lymph Node - Mandibular
Pancreas
Salivary Glands
Stomach - Glandular
Urinary Bladder

Adrenal Gland - Medulla
Epididymis
Intestine Large - Rectum
Islets, Pancreatic
Lymph Node - Mesenteric
Parathyroid Gland
Skin
Thymus

Bone
Esophagus
Intestine Small - Duodenum
Larynx
Mammary Gland
Pituitary Gland
Spinal Cord
Thyroid Gland

Bone Marrow
Intestine Large - Cecum
Intestine Small - Ileum
Lung
Nose
Prostate
Stomach - Forestomach
Trachea

OBSERVATIONS

Eye

Heart
Kidney
Liver

Preputial Gland
Seminal Vesicle
Spleen
Testes
Note: ADENOMA TGLs = 1-5

Retina
Sclera

Bile Duct

Interstit Cell

Atrophy
Metaplasia
Cardiomyopathy
Nephropathy
Fatty Change
Focal Cellular Change
Hyperplasia
Inflammation
Atrophy
Leukemia Mononuclear
Adenoma

Mild
Osseous, Multifocal, Mild
Multifocal, Mild
Chronic, Multifocal, Mild
Mild

Multifocal, Mild
Chronic, Multifocal, Minimal
Diffuse, Moderate

Multiple

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014
Time Report Requested: 14:14:34
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 94

TRT#: 2

SEX: Male

DAY ON TEST: 730

DOSE: 20 PPM LOW M

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Thymus

OBSERVATIONS

| | | | |
|----------------------|----------------|-----------------------------------|----------------------------------|
| Adrenal Gland | Cortex | Accessory Adrenal Cortical Nodule | |
| | Cortex | Hyperplasia | Focal, Mild |
| | Medulla | Pheochromocytoma Benign | |
| Eye | Sclera | Metaplasia | Osseous, Multifocal, Mild |
| Heart | | Cardiomyopathy | Multifocal, Mild |
| Kidney | | Nephropathy | Chronic, Multifocal, Moderate |
| Note: NEPHROPATHY | TGLs = 2-4 | | |
| Liver | | Fatty Change | Minimal |
| | | Focal Cellular Change | |
| | | Hepatodiaphragmatic Nodule | |
| | | Hyperplasia | Multifocal, Mild |
| Note: ANOM HEPAT LOB | TGLs = 3-3 | | |
| Lung | | Alveolar/Bronchiolar Adenoma | |
| Nose | | Fungus | Mild |
| | Nasolacrim Dct | Inflammation | Chronic, Mild |
| | | Inflammation | Chronic Active, Multifocal, Mild |
| Pancreas | Acinus | Atrophy | Focal, Mild |
| Preputial Gland | | Inflammation | Chronic, Multifocal, Minimal |
| Seminal Vesicle | | Atrophy | Diffuse, Mild |
| Testes | Interstit Cell | Adenoma | Multiple |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014

Time Report Requested: 14:14:34

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 94

TRT#: 2

SEX: Male

DAY ON TEST: 730

DOSE: 20 PPM LOW M

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Note: ADENOMA TGLs = 1-5

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014
Time Report Requested: 14:14:34
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 95

TRT#: 2

SEX: Male

DAY ON TEST: 730

DOSE: 20 PPM LOW M

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

| | | | |
|---------------------------------|----------------|-----------------------|----------------------------------|
| Adrenal Gland | Cortex | Hyperplasia | Focal, Mild |
| | Cortex | Leukemia Mononuclear | |
| Bone Marrow | | Leukemia Mononuclear | |
| Eye | Sclera | Metaplasia | Osseous, Multifocal, Mild |
| Heart | | Cardiomyopathy | Multifocal, Mild |
| Kidney | | Nephropathy | Chronic, Multifocal, Mild |
| Liver | | Focal Cellular Change | |
| | Bile Duct | Hyperplasia | Multifocal, Mild |
| | | Leukemia Mononuclear | |
| | Vein | Thrombosis | Mild |
| | | Leukemia Mononuclear | |
| Lung | | | |
| Mesentery | | | |
| Note: MESENTERY-TGL-4-NCL | | | |
| Nose | | Fungus | Mild |
| | | Inflammation | Chronic Active, Multifocal, Mild |
| Preputial Gland | | Adenoma | |
| Note: ADENOMA TGLs = 1-8 | | | |
| Seminal Vesicle | | Atrophy | Diffuse, Mild |
| Spleen | | Leukemia Mononuclear | |
| Note: LEUKEMIA MONUC TGLs = 2-3 | | | |
| Testes | Interstit Cell | Adenoma | Multiple |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014
Time Report Requested: 14:14:34
First Dose M/F: NA / NA
Lab: MBA

| | | | |
|----------------------|---------------------------|---------------------------------|-------------------------|
| ANIMAL ID: 95 | TRT#: 2 | SEX: Male | DAY ON TEST: 730 |
| | DOSE: 20 PPM LOW M | DISP: Terminal Sacrifice | HISTO: |

ORGAN AND ACCOUNTABLE SITE STATUS

| | | | |
|----------------------------------|--------|-------------|-------------|
| Thymus Note: THYMUS-TGL-5-NCL | | | |
| Thyroid Gland | C Cell | Hyperplasia | Focal, Mild |
| PRIMARY CAUSE OF DEATH | - | | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014
Time Report Requested: 14:14:34
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 96

TRT#: 2

SEX: Male

DAY ON TEST: 730

DOSE: 20 PPM LOW M

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

| | |
|--------------------------|-------------------------|
| Intestine Large - Rectum | Lymph Node - Mandibular |
|--------------------------|-------------------------|

OBSERVATIONS

| | | | |
|-----------------|----------------|-----------------------|---------------------------------|
| Brain | Hypothalamus | Compression | Moderate |
| Eye | Sclera | Metaplasia | Osseous, Multifocal, Mild |
| Heart | | Cardiomyopathy | Multifocal, Mild |
| Kidney | | Nephropathy | Chronic, Multifocal, Mild |
| Liver | | Focal Cellular Change | |
| | Bile Duct | Hyperplasia | Multifocal, Mild |
| | | Inflammation | Chronic, Multifocal, Mild |
| Lung | | Infiltration Cellular | Histiocyte, Multifocal, Minimal |
| Lymph Node | Mesenteric | Infiltration Cellular | Histiocyte, Mild |
| Mammary Gland | Duct | Ectasia | Mild |
| Pituitary Gland | Pars Distalis | Adenoma | |
| Note: ADENOMA | TGLs = 2-1 | | |
| Preputial Gland | | Inflammation | Chronic, Multifocal, Mild |
| Prostate | | Hyperplasia | Focal, Mild |
| Seminal Vesicle | | Atrophy | Diffuse, Mild |
| Testes | Interstit Cell | Adenoma | |
| Note: ADENOMA | TGLs = 1-5 | | |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014
Time Report Requested: 14:14:34
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 97

TRT#: 2

SEX: Male

DAY ON TEST: 695

DOSE: 20 PPM LOW M

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|---------------------------|--------------------------|----------------------------|-------------------------|
| Bone | Epididymis | Esophagus | Intestine Large - Cecum |
| Intestine Large - Colon | Intestine Large - Rectum | Intestine Small - Duodenum | Intestine Small - Ileum |
| Intestine Small - Jejunum | Islets, Pancreatic | Larynx | Lymph Node - Mesenteric |
| Nose | Parathyroid Gland | Pituitary Gland | Prostate |
| Salivary Glands | Skin | Spinal Cord | Stomach - Forestomach |
| Stomach - Glandular | Thymus | Thyroid Gland | Trachea |
| Urinary Bladder | | | |

OBSERVATIONS

| | | | |
|----------------------|-----------------|----------------------|------------------------------|
| Adrenal Gland | Cortex | Leukemia Mononuclear | |
| | Medulla | Leukemia Mononuclear | |
| Bone Marrow | | Leukemia Mononuclear | |
| Brain | | Leukemia Mononuclear | |
| Eye | Sclera | Metaplasia | Osseous, Multifocal, Mild |
| Heart | Valve | Cardiomyopathy | Multifocal, Minimal |
| | | Inflammation | Chronic, Moderate |
| Kidney | | Leukemia Mononuclear | |
| Liver | | Nephropathy | Chronic, Multifocal, Mild |
| | | Fatty Change | Minimal |
| | Bile Duct | Hyperplasia | Multifocal, Moderate |
| | | Leukemia Mononuclear | |
| Note: LEUKEMIA MONUC | TGLs = 4-3 | | |
| Lung | | Leukemia Mononuclear | |
| Lymph Node | Mandibular | Leukemia Mononuclear | |
| Mammary Gland | Duct | Ectasia | Minimal |
| Pancreas | Acinus | Atrophy | Focal, Mild |
| Preputial Gland | | Inflammation | Chronic, Multifocal, Minimal |
| Seminal Vesicle | | Atrophy | Diffuse, Moderate |
| Spleen | | Leukemia Mononuclear | |
| Note: LEUKEMIA MONUC | TGLs = 1,2-12,3 | | |
| Testes | Interstit Cell | Adenoma | Multiple |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014

Time Report Requested: 14:14:34

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 97

TRT#: 2

SEX: Male

DAY ON TEST: 695

DOSE: 20 PPM LOW M

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Note: ADENOMA TGLs = 3-5

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014

Time Report Requested: 14:14:34

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 98

TRT#: 2

SEX: Male

DAY ON TEST: 667

DOSE: 20 PPM LOW M

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|-------------------------|---------------------------|--------------------------|----------------------------|
| Bone | Brain | Epididymis | Esophagus |
| Intestine Large - Cecum | Intestine Large - Colon | Intestine Large - Rectum | Intestine Small - Duodenum |
| Intestine Small - Ileum | Intestine Small - Jejunum | Islets, Pancreatic | Larynx |
| Lymph Node - Mandibular | Lymph Node - Mesenteric | Mammary Gland | Parathyroid Gland |
| Pituitary Gland | Preputial Gland | Prostate | Salivary Glands |
| Spinal Cord | Stomach - Forestomach | Stomach - Glandular | Thymus |
| Thyroid Gland | Trachea | Urinary Bladder | |

OBSERVATIONS

| | | | |
|---------------------------------|----------------|-------------------------|----------------------------------|
| Adrenal Gland | Cortex | Degeneration | Focal, Mild |
| | Medulla | Pheochromocytoma Benign | Multiple |
| Bone Marrow | | Leukemia Mononuclear | |
| Eye | Sclera | Metaplasia | Osseous, Multifocal, Mild |
| Heart | | Cardiomyopathy | Multifocal, Mild |
| Kidney | | Nephropathy | Chronic, Multifocal, Mild |
| | Renal Tubule | Pigmentation | Mild |
| Note: NEPHROPATHY TGLs = 4-4 | | | |
| Liver | | Fatty Change | Mild |
| | Bile Duct | Hyperplasia | Multifocal, Mild |
| | | Leukemia Mononuclear | |
| Note: LEUKEMIA MONUC TGLs = 5-3 | | | |
| Lung | Alveolar Epith | Hyperplasia | Multifocal, Mild |
| | | Leukemia Mononuclear | |
| Nose | | Fungus | Mild |
| | Mucosa | Inflammation | Chronic Active, Multifocal, Mild |
| Pancreas | Acinus | Atrophy | Focal, Mild |
| Seminal Vesicle | | Atrophy | Diffuse, Mild |
| Skin | Subcut Tiss | Fibroma | |
| Note: FIBROMA TGLs = 1-12 | | | |
| Spleen | | Leukemia Mononuclear | |
| Note: LEUKEMIA MONUC TGLs = 2-3 | | | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014
Time Report Requested: 14:14:34
First Dose M/F: NA / NA
Lab: MBA

| | | | |
|----------------------|---------------------------|-----------------------|-------------------------|
| ANIMAL ID: 98 | TRT#: 2 | SEX: Male | DAY ON TEST: 667 |
| | DOSE: 20 PPM LOW M | DISP: Moribund | HISTO: |

ORGAN AND ACCOUNTABLE SITE STATUS

| | | | |
|--------------------------|----------------|---------|----------|
| Testes | Interstit Cell | Adenoma | Multiple |
| Note: ADENOMA TGLs = 3-5 | | | |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014

Time Report Requested: 14:14:34

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 99

TRT#: 2

SEX: Male

DAY ON TEST: 730

DOSE: 20 PPM LOW M

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland

OBSERVATIONS

| | | | |
|----------------------------------|----------------|-------------------------|------------------------------|
| Adrenal Gland | Medulla | Pheochromocytoma Benign | |
| Brain | | | |
| Note: BRAIN-BEST SECTION | | | |
| Eye | Lens | Cataract | Mild |
| Heart | | Cardiomyopathy | Multifocal, Mild |
| Kidney | | Nephropathy | Chronic, Multifocal, Mild |
| Liver | | Focal Cellular Change | |
| | Bile Duct | Hyperplasia | Multifocal, Minimal |
| Nose | Nasolacrim Dct | Inflammation | Chronic, Mild |
| Preputial Gland | | Adenoma | |
| | | Inflammation | Chronic, Multifocal, Minimal |
| Note: ADENOMA TGLs = 2-8 | | | |
| Skin | | Basal Cell Adenoma | |
| Note: BASAL CEL ADEN TGLs = 1-12 | | | |
| Testes | Interstit Cell | Adenoma | Multiple |
| Note: ADENOMA TGLs = 3,4-5 | | | |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014
Time Report Requested: 14:14:34
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 100

TRT#: 2

SEX: Male

DAY ON TEST: 730

DOSE: 20 PPM LOW M

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|----------------------------|-------------------------|---------------------------|--------------------------|
| Bone | Bone Marrow | Brain | Epididymis |
| Esophagus | Intestine Large - Cecum | Intestine Large - Colon | Intestine Large - Rectum |
| Intestine Small - Duodenum | Intestine Small - Ileum | Intestine Small - Jejunum | Larynx |
| Lung | Lymph Node - Mesenteric | Mammary Gland | Pancreas |
| Parathyroid Gland | Pituitary Gland | Salivary Glands | Skin |
| Spinal Cord | Spleen | Stomach - Forestomach | Stomach - Glandular |
| Thymus | Trachea | Urinary Bladder | |

MISSING

Lymph Node - Mandibular

OBSERVATIONS

| | | | |
|----------------------------|----------------|-------------------------|------------------------------|
| Adrenal Gland | Cortex | Degeneration | Focal, Mild |
| | Medulla | Pheochromocytoma Benign | |
| Eye | Sclera | Metaplasia | Osseous, Multifocal, Mild |
| Heart | | Cardiomyopathy | Multifocal, Mild |
| Note: HEART-BEST SECTION | | | |
| Islets, Pancreatic | | Carcinoma | |
| Note: CARCINOMA TGLs = 1-8 | | | |
| Kidney | | Nephropathy | Chronic, Multifocal, Mild |
| Liver | | Focal Cellular Change | |
| | Bile Duct | Hyperplasia | Multifocal, Mild |
| Nose | Mucosa | Inflammation | Chronic, Focal, Minimal |
| Preputial Gland | | Inflammation | Chronic, Multifocal, Minimal |
| Prostate | | Inflammation | Chronic, Focal, Mild |
| Seminal Vesicle | | Atrophy | Diffuse, Mild |
| Testes | Interstit Cell | Adenoma | Multiple |
| Note: ADENOMA TGLs = 2-5 | | | |
| Thyroid Gland | C Cell | Adenoma | |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014
Time Report Requested: 14:14:34
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 101

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 100 PPM HIGH M

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Brain
Intestine Large - Colon
Intestine Small - Jejunum
Lymph Node - Mandibular
Pancreas
Salivary Glands
Stomach - Forestomach
Trachea

Adrenal Gland - Medulla
Epididymis
Intestine Large - Rectum
Islets, Pancreatic
Lymph Node - Mesenteric
Parathyroid Gland
Skin
Stomach - Glandular
Urinary Bladder

Bone
Esophagus
Intestine Small - Duodenum
Larynx
Mammary Gland
Pituitary Gland
Spinal Cord
Thymus

Bone Marrow
Intestine Large - Cecum
Intestine Small - Ileum
Lung
Nose
Prostate
Spleen
Thyroid Gland

OBSERVATIONS

Brain

Note: DAMAGED AT NECROPSY: BEST SECTION

Eye

Sclera

Metaplasia

Osseous, Multifocal, Minimal

Heart

Cardiomyopathy

Multifocal, Minimal

Kidney

Nephropathy

Chronic, Multifocal, Mild

Liver

Neoplastic Nodule

Note: NEOPLASTIC NOD TGLs = 2-3

Preputial Gland

Inflammation

Chronic, Focal, Minimal

Seminal Vesicle

Atrophy

Diffuse, Mild

Testes

Interstitial Cell

Adenoma

Multiple

Note: ADENOMA TGLs = 1-5

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014
Time Report Requested: 14:14:34
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 102

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 100 PPM HIGH M

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|---------------------------|---------------------|----------------------------|-------------------------|
| Adrenal Gland - Medulla | Bone | Bone Marrow | Brain |
| Epididymis | Esophagus | Intestine Small - Duodenum | Intestine Small - Ileum |
| Intestine Small - Jejunum | Islets, Pancreatic | Larynx | Lymph Node - Mandibular |
| Lymph Node - Mesenteric | Mammary Gland | Nose | Pancreas |
| Parathyroid Gland | Pituitary Gland | Preputial Gland | Prostate |
| Salivary Glands | Skin | Spinal Cord | Spleen |
| Stomach - Forestomach | Stomach - Glandular | Thymus | Trachea |
| Urinary Bladder | | | |

MISSING

Ear

OBSERVATIONS

| | | | |
|-------------------------------|----------------|------------------------------|-------------------------------|
| Adrenal Gland | Cortex | Degeneration | Focal, Mild |
| Eye | Retina | Atrophy | Minimal |
| | Lens | Cataract | Minimal |
| | Sclera | Metaplasia | Osseous, Multifocal, Mild |
| Heart | | Cardiomyopathy | Multifocal, Minimal |
| [Cardiomyopathy TGLS = 3-2] | | | |
| Kidney | | Nephropathy | Chronic, Multifocal, Moderate |
| Note: NEPHROPATHY TGLs = 2-4 | | | |
| Liver | | Focal Cellular Change | |
| | Bile Duct | Hyperplasia | Multifocal, Minimal |
| Lung | | Alveolar/Bronchiolar Adenoma | |
| Seminal Vesicle | | Atrophy | Diffuse, Moderate |
| Testes | Interstit Cell | Adenoma | Multiple |
| Note: ADENOMA TGLs = 1-5 | | | |
| Thyroid Gland | C Cell | Hyperplasia | Focal, Minimal |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014
Time Report Requested: 14:14:34
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 103

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 100 PPM HIGH M

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

| | | | |
|-----------------|----------------|------------------|------------------------------|
| Adrenal Gland | Cortex | Hyperplasia | Multifocal, Minimal |
| | Medulla | Hyperplasia | Focal, Minimal |
| Eye | Sclera | Metaplasia | Osseous, Focal, Minimal |
| Heart | | Cardiomyopathy | Multifocal, Minimal |
| Kidney | | Nephropathy | Chronic, Multifocal, Minimal |
| Liver | | Basophilic Focus | Minimal |
| | Bile Duct | Hyperplasia | Multifocal, Mild |
| Lymph Node | Mandibular | Hyperplasia | Lymphoid, Mild |
| Pancreas | Acinus | Atrophy | Focal, Mild |
| Pituitary Gland | | Hemorrhage | Mild |
| | | | |
| | | | |
| | | | |
| Testes | Interstit Cell | Adenoma | Multiple |
| Note: ADENOMA | TGLs = 1-5 | | |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014

Time Report Requested: 14:14:34

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 104

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 100 PPM HIGH M

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

| | | | |
|--|----------------|----------------------------------|-------------------------------------|
| Adrenal Gland | Cortex | Hematopoietic Cell Proliferation | Multifocal, Mild |
| Eye | Lens | Cataract | Mild |
| | Sclera | Metaplasia | Osseous, Multifocal, Mild |
| Heart | | Cardiomyopathy | Multifocal, Minimal |
| Kidney | | Nephropathy | Chronic, Multifocal, Mild |
| Liver | Bile Duct | Hyperplasia | Multifocal, Minimal |
| Lung | | Osteosarcoma | Metastatic (Uncertain Primary Site) |
| Note: BY THE PROSECTORS OR IN THE BONEY TISSUES EXAMINED | | | |
| Note: THE PRIMARY OF THE OSTEOGENIC SARCOMA WAS NOT IDENTIFIED | | | |
| Lymph Node | Mesenteric | Infiltration Cellular | Histiocyte, Minimal |
| Pituitary Gland | Pars Distalis | Hyperplasia | Multifocal, Mild |
| Preputial Gland | | Inflammation | Chronic, Multifocal, Minimal |
| Seminal Vesicle | | Atrophy | Diffuse, Mild |
| Testes | Interstit Cell | Adenoma | Multiple |
| Note: ADENOMA TGLs = 1-5 | | | |
| Thyroid Gland | C Cell | Hyperplasia | Focal, Mild |
| Note: HYPERPLASIA TGLs = 2-2 | | | |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014
Time Report Requested: 14:14:34
First Dose M/F: NA / NA
Lab: MBA

| | | | |
|-----------------------|-----------------------------|-------------------|-------------------------|
| ANIMAL ID: 105 | TRT#: 3 | SEX: Male | DAY ON TEST: 436 |
| | DOSE: 100 PPM HIGH M | DISP: Dead | HISTO: |

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

| | | | |
|--------------------------------|------------|----------------|---------------------------|
| Eye | Sclera | Metaplasia | Osseous, Focal, Minimal |
| Heart | | Cardiomyopathy | Multifocal, Minimal |
| Liver | Bile Duct | Hyperplasia | Multifocal, Mild |
| Lymph Node | Mandibular | Congestion | Mild |
| Note: CONGESTION TGLs = 6-2 | | | |
| Nose | | Fungus | Mild |
| | Mucosa | Inflammation | Chronic, Multifocal, Mild |
| Preputial Gland | | Inflammation | Chronic, Multifocal, Mild |
| Thyroid Gland | C Cell | Adenoma | |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014
Time Report Requested: 14:14:34
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 106

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 100 PPM HIGH M

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Thymus

OBSERVATIONS

| | | | |
|---------------------------|----------------|-----------------------|------------------------------|
| Adrenal Gland | Cortex | Degeneration | Focal, Mild |
| Brain | | | |
| Note: DAMAGED AT NECROPSY | | | |
| Eye | Sclera | Metaplasia | Osseous, Focal, Minimal |
| Heart | | Cardiomyopathy | Multifocal, Mild |
| Kidney | | Nephropathy | Chronic, Multifocal, Minimal |
| Liver | | Focal Cellular Change | |
| | Bile Duct | Hyperplasia | Multifocal, Mild |
| Lung | Alveolar Epith | Hyperplasia | Focal, Marked |
| Pancreas | Acinus | Atrophy | Focal, Minimal |
| Preputial Gland | | Adenoma | |
| Note: ADENOMA TGLs = 1-8 | | | |
| Seminal Vesicle | | Atrophy | Diffuse, Mild |
| Testes | Interstit Cell | Adenoma | Multiple |
| Note: ADENOMA TGLs = 2-5 | | | |
| Thyroid Gland | Follicle | Adenoma | |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014

Time Report Requested: 14:14:34

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 107

TRT#: 3

SEX: Male

DAY ON TEST: 627

DOSE: 100 PPM HIGH M

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Brain
Intestine Large - Rectum
Islets, Pancreatic
Nose
Preputial Gland
Spinal Cord
Trachea

Adrenal Gland - Medulla
Epididymis
Intestine Small - Duodenum
Kidney
Pancreas
Prostate
Stomach - Forestomach
Urinary Bladder

Bone
Esophagus
Intestine Small - Ileum
Larynx
Parathyroid Gland
Seminal Vesicle
Thymus

Bone Marrow
Intestine Large - Colon
Intestine Small - Jejunum
Lymph Node - Mesenteric
Pituitary Gland
Skin
Thyroid Gland

MISSING

Mammary Gland

AUTO PRECLUDES DIAG.

Intestine Large - Cecum

OBSERVATIONS

Eye
Heart
Liver

Lung
Lymph Node
Salivary Glands
 Note: [SCHWANNOMA MAL] TGLs = 1-12
Spleen
 Note: ATROPHY TGLs = 2-3
Stomach
Testes
 Note: ADENOMA TGLs = 3-5

Sclera

Bile Duct

Mandibular

Lymph Follic

Glandular
Interstit Cell

Metaplasia
Cardiomyopathy
Focal Cellular Change
Hyperplasia
Chordoma
Hyperplasia
Schwannoma Malignant

Atrophy

Erosion
Adenoma

Osseous, Focal, Minimal
Multifocal, Minimal

Multifocal, Minimal
Metastatic (Uncertain Primary Site)
Plasma Cell, Mild

Mild

Focal, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014

Time Report Requested: 14:14:34

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 108

TRT#: 3

SEX: Male

DAY ON TEST: 666

DOSE: 100 PPM HIGH M

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Intestine Large - Cecum
Intestine Small - Ileum
Lung
Nose
Prostate
Stomach - Forestomach
Trachea

Brain
Intestine Large - Colon
Intestine Small - Jejunum
Lymph Node - Mandibular
Pancreas
Salivary Glands
Stomach - Glandular
Urinary Bladder

Epididymis
Intestine Large - Rectum
Islets, Pancreatic
Lymph Node - Mesenteric
Parathyroid Gland
Skin
Thymus

Esophagus
Intestine Small - Duodenum
Larynx
Mammary Gland
Preputial Gland
Spinal Cord
Thyroid Gland

MISSING

Eye

OBSERVATIONS

Adrenal Gland
Bone

Medulla
Femur

Pheochromocytoma Benign
Osteosarcoma

Note: OSTEOSARC TGLs = 1-12,13

Note: APPARENT. THERE WAS ONLY 1 LESION. THE PEIS FORM WAS UNCLEAR

Bone Marrow
Heart
Kidney
Liver

Hyperplasia
Cardiomyopathy
Nephropathy
Focal Cellular Change

Mild
Multifocal, Minimal
Chronic, Multifocal, Mild

Pituitary Gland
Seminal Vesicle
Spleen
Testes

Bile Duct
Pars Distalis

Hyperplasia
Hyperplasia
Atrophy
Hematopoietic Cell Proliferation
Adenoma

Multifocal, Mild
Focal, Mild
Diffuse, Moderate
Mild
Multiple

Note: ADENOMA TGLs = 2-5

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014

Time Report Requested: 14:14:34

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 109

TRT#: 3

SEX: Male

DAY ON TEST: 498

DOSE: 100 PPM HIGH M

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Brain
Intestine Large - Colon
Kidney
Mammary Gland
Preputial Gland
Spinal Cord
Thyroid Gland

Adrenal Gland - Medulla
Epididymis
Intestine Large - Rectum
Larynx
Nose
Prostate
Stomach - Forestomach
Trachea

Bone
Esophagus
Intestine Small - Ileum
Lymph Node - Mandibular
Pancreas
Salivary Glands
Stomach - Glandular
Urinary Bladder

Bone Marrow
Intestine Large - Cecum
Islets, Pancreatic
Lymph Node - Mesenteric
Parathyroid Gland
Skin
Thymus

MISSING

Eye Pituitary Gland

AUTO PRECLUDES DIAG.

Intestine Small - Duodenum Intestine Small - Jejunum

OBSERVATIONS

| | | | |
|---|----------------|----------------------|-------------------|
| Heart | Coron Artery | Inflammation | Chronic, Moderate |
| Intest Small | | | |
| Note: NOT CONSIDERED A LESION. | | | |
| Note: FOR THE GROSS OBSERVATION. ENTERED AS NCL AS AUTOLYSIS | | | |
| Note: SECTIONS OF INTESTINE SUGGEST AUTOLYSIS WAS RESPONSIBLE | | | |
| Liver | | Leukemia Mononuclear | |
| Note: LEUKEMIA MONUC TGLs = 2-3 | | | |
| Lung | | Leukemia Mononuclear | |
| Note: LEUKEMIA MONUC TGLs = 3-6,7 | | | |
| Seminal Vesicle | | Atrophy | Diffuse, Mild |
| Spinal Cord | | | |
| Note: BEST SECTION | | | |
| Spleen | | Leukemia Mononuclear | |
| Note: LEUKEMIA MONUC TGLs = 1-3 | | | |
| Testes | Interstit Cell | Adenoma | Multiple |
| Note: ADENOMA TGLs = 5-5 | | | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014

Time Report Requested: 14:14:34

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 109

TRT#: 3

SEX: Male

DAY ON TEST: 498

DOSE: 100 PPM HIGH M

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014

Time Report Requested: 14:14:34

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 110

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 100 PPM HIGH M

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Thymus

OBSERVATIONS

| | | | |
|--------------------|----------------|-----------------------|---------------------------------|
| Eye | Sclera | Metaplasia | Osseous, Focal, Minimal |
| Heart | | Cardiomyopathy | Multifocal, Mild |
| Islets, Pancreatic | | Carcinoma | |
| Note: CARCINOMA | TGLs = 3-8 | | |
| Kidney | | Nephropathy | Chronic, Multifocal, Mild |
| Liver | | Focal Cellular Change | |
| | Bile Duct | Hyperplasia | Multifocal, Mild |
| Lung | | Infiltration Cellular | Histiocyte, Multifocal, Minimal |
| Pancreas | Acinus | Atrophy | Multifocal, Mild |
| Seminal Vesicle | | Atrophy | Diffuse, Moderate |
| Spleen | | Hemangioma | |
| Note: HEMANGIOMA | TGLs = 2-3 | | |
| Testes | Interstit Cell | Adenoma | Multiple |
| Note: ADENOMA | TGLs = 1-5 | | |

PRIMARY CAUSE OF DEATH

-

Animal Note: PROCESSOR MALFUNCTION

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014
Time Report Requested: 14:14:34
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 111

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 100 PPM HIGH M

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

| | | | |
|---------------------------------|----------------|-------------------------|------------------------------|
| Eye | Lens | Cataract | Minimal |
| | Sclera | Metaplasia | Osseous, Multifocal, Mild |
| Heart | | Cardiomyopathy | Multifocal, Mild |
| Kidney | | Nephropathy | Chronic, Multifocal, Mild |
| Note: BEST SECTION | | | |
| Liver | | Basophilic Focus | Minimal |
| | | Focal Cellular Change | |
| | Bile Duct | Hyperplasia | Multifocal, Mild |
| Preputial Gland | | Inflammation | Chronic, Multifocal, Minimal |
| Sem Ves | | | |
| Note: BEST SECTION | | | |
| Skin | | Squamous Cell Papilloma | |
| Note: PAPILOMA SQUA TGLs = 1-12 | | | |
| Testes | Interstit Cell | Adenoma | Multiple |
| Note: ADENOMA TGLs = 2-5 | | | |
| Thyroid Gland | C Cell | Adenoma | |
| | Follicle | Cyst | |

PRIMARY CAUSE OF DEATH

-

Animal Note: PROCESSOR MALFUNCTION

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014
Time Report Requested: 14:14:34
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 112

TRT#: 3

SEX: Male

DAY ON TEST: 726

DOSE: 100 PPM HIGH M

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|---------------------------|--------------------------|----------------------------|-------------------------|
| Adrenal Gland - Cortex | Adrenal Gland - Medulla | Bone | Bone Marrow |
| Epididymis | Esophagus | Eye | Intestine Large - Cecum |
| Intestine Large - Colon | Intestine Large - Rectum | Intestine Small - Duodenum | Intestine Small - Ileum |
| Intestine Small - Jejunum | Islets, Pancreatic | Larynx | Lung |
| Lymph Node - Mandibular | Lymph Node - Mesenteric | Nose | Prostate |
| Salivary Glands | Skin | Spinal Cord | Stomach - Forestomach |
| Stomach - Glandular | Trachea | Urinary Bladder | |

MISSING

| | |
|-------------------|--------|
| Parathyroid Gland | Thymus |
|-------------------|--------|

OBSERVATIONS

| | | | |
|---------------------------------|----------------|----------------------------|----------------------------------|
| Brain | Hypothalamus | Compression | Moderate |
| Heart | | Cardiomyopathy | Multifocal, Mild |
| Kidney | | Nephropathy | Chronic, Multifocal, Moderate |
| Note: NEPHROPATHY TGLs = 3-4 | | | |
| Liver | | Fatty Change | Minimal |
| | | Hepatodiaphragmatic Nodule | |
| | Bile Duct | Hyperplasia | Multifocal, Minimal |
| Note: ANOM HEPAT LOB TGLs = 4-3 | | | |
| Note: FATTY CHANGE TGLs = 5-3 | | | |
| Mammary Gland | Duct | Ectasia | Mild |
| Pancreas | Acinus | Atrophy | Focal, Minimal |
| Pituitary Gland | Pars Distalis | Adenoma | |
| Note: ADENOMA TGLs = 6-1 | | | |
| Preputial Gland | | Inflammation | Chronic Active, Multifocal, Mild |
| Seminal Vesicle | | Atrophy | Diffuse, Marked |
| Spleen | Lymph Follic | Atrophy | Mild |
| Note: ATROPHY TGLs = 1-3 | | | |
| Testes | Interstit Cell | Adenoma | Multiple |
| Note: ADENOMA TGLs = 2-5 | | | |
| Thyroid Gland | C Cell | Adenoma | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014
Time Report Requested: 14:14:34
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 112

TRT#: 3
DOSE: 100 PPM HIGH M

SEX: Male
DISP: Moribund

DAY ON TEST: 726
HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Note: CARCINOMA TGLs = 7-2

C Cell

Carcinoma

PRIMARY CAUSE OF DEATH

-

Animal Note: PROCESSOR MALFUNCTION

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014

Time Report Requested: 14:14:34

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 113

TRT#: 3

SEX: Male

DAY ON TEST: 711

DOSE: 100 PPM HIGH M

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

| | | | |
|--|----------------|-------------------------|-------------------------------|
| Adrenal Gland | Medulla | Pheochromocytoma Benign | |
| Brain | Cerebrum | Astrocytoma Malignant | |
| Eye | Retina | Atrophy | Moderate |
| | Lens | Cataract | Mild |
| | Sclera | Metaplasia | Osseous, Focal, Minimal |
| Note: CATARACT TGLs = 1-12 | | | |
| Heart | | Cardiomyopathy | Multifocal, Mild |
| Kidney | | Nephropathy | Chronic, Multifocal, Moderate |
| Note: SECTION INADEQUATE-PROCESSOR MALFUNCTION | | | |
| Liver | | Focal Cellular Change | |
| | Bile Duct | Hyperplasia | Multifocal, Mild |
| Pituitary Gland | Pars Distalis | Hyperplasia | Focal, Mild |
| Preputial Gland | | Abscess | Mild |
| Seminal Vesicle | | Atrophy | Diffuse, Moderate |
| Testes | Interstit Cell | Adenoma | Multiple |
| Note: ADENOMA TGLs = 2-5 | | | |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014
Time Report Requested: 14:14:34
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 114

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 100 PPM HIGH M

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

| | | | |
|--|-------------------|-----------------------|---------------------------------|
| Brain | | | |
| Note: BEST SECTION. DAMAGED AT NECROPSY. | | | |
| Heart | | Cardiomyopathy | Multifocal, Mild |
| Kidney | | Nephropathy | Chronic, Multifocal, Minimal |
| Liver | | Focal Cellular Change | |
| | Bile Duct | Hyperplasia | Multifocal, Mild |
| Lung | | Infiltration Cellular | Histiocyte, Multifocal, Minimal |
| Pituitary Gland | Pars Distalis | Adenoma | |
| Preputial Gland | | Inflammation | Chronic, Multifocal, Mild |
| Seminal Vesicle | | Atrophy | Diffuse, Mild |
| Testes | Interstitial Cell | Adenoma | Multiple |
| Note: ADENOMA TGLs = 1-5 | | | |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014
Time Report Requested: 14:14:34
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 115

TRT#: 3

SEX: Male

DAY ON TEST: 582

DOSE: 100 PPM HIGH M

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|---------------------------|--------------------------|----------------------------|-------------------------|
| Adrenal Gland - Cortex | Adrenal Gland - Medulla | Bone | Brain |
| Epididymis | Esophagus | Eye | Intestine Large - Cecum |
| Intestine Large - Colon | Intestine Large - Rectum | Intestine Small - Duodenum | Intestine Small - Ileum |
| Intestine Small - Jejunum | Islets, Pancreatic | Larynx | Lymph Node - Mandibular |
| Lymph Node - Mesenteric | Mammary Gland | Parathyroid Gland | Pituitary Gland |
| Preputial Gland | Prostate | Salivary Glands | Skin |
| Spinal Cord | Spleen | Stomach - Forestomach | Stomach - Glandular |
| Thyroid Gland | Trachea | Urinary Bladder | |

MISSING

Thymus

OBSERVATIONS

| | | | |
|---|-----------|----------------|------------------------------------|
| Bone Marrow | | Hyperplasia | Mild |
| Brain | | | |
| Note: BEST SECTION | | | |
| Note: FRAGMENTED AT NECROPSY | | | |
| Eye | | | |
| Note: BEST SECTION | | | |
| Heart | | Cardiomyopathy | Multifocal, Minimal |
| Kidney | | Nephropathy | Chronic, Multifocal, Mild |
| Liver | Bile Duct | Hyperplasia | Multifocal, Minimal |
| Lung | | Abscess | Multifocal, Moderate |
| Note: DARK RED DUE TO EARLY POST MORTEM CHHANGE-NCL-4 | | | |
| Note: ABSCESS TGLs = 5-6,7 | | | |
| Nose | | Foreign Body | Mild |
| | Mucosa | Inflammation | Chronic Active, Multifocal, Marked |
| Pancreas | Artery | Inflammation | Chronic, Marked |
| Note: INFLAMMATION TGLs = 3-8 | | | |
| Pituitary Gland | | | |
| Note: BEST SECTION | | | |
| Note: FRAGMENTED AT NECROPSY | | | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014
Time Report Requested: 14:14:34
First Dose M/F: NA / NA
Lab: MBA

| | | | |
|-----------------------|-----------------------------|-------------------|-------------------------|
| ANIMAL ID: 115 | TRT#: 3 | SEX: Male | DAY ON TEST: 582 |
| | DOSE: 100 PPM HIGH M | DISP: Dead | HISTO: |

ORGAN AND ACCOUNTABLE SITE STATUS

| | | | |
|--------------------|-------------------|---------|-------------------|
| Seminal Vesicle | | Atrophy | Diffuse, Marked |
| Testes | Interstitial Cell | Adenoma | |
| | | Atrophy | Diffuse, Moderate |
| Note: ADENOMA | TGLs = 1-5 | | |
| Note: ATROPHY | TGLs = 2-5 | | |
| Urin Bladder | | | |
| Note: BEST SECTION | | | |

PRIMARY CAUSE OF DEATH

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014
Time Report Requested: 14:14:34
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 116

TRT#: 3

SEX: Male

DAY ON TEST: 621

DOSE: 100 PPM HIGH M

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|---------------------------|--------------------------|----------------------------|-------------------------|
| Adrenal Gland - Cortex | Adrenal Gland - Medulla | Bone | Brain |
| Epididymis | Esophagus | Eye | Intestine Large - Cecum |
| Intestine Large - Colon | Intestine Large - Rectum | Intestine Small - Duodenum | Intestine Small - Ileum |
| Intestine Small - Jejunum | Islets, Pancreatic | Larynx | Mammary Gland |
| Nose | Pancreas | Parathyroid Gland | Pituitary Gland |
| Preputial Gland | Prostate | Salivary Glands | Skin |
| Spinal Cord | Stomach - Forestomach | Thymus | Thyroid Gland |
| Trachea | Urinary Bladder | | |

OBSERVATIONS

| | | | |
|----------------------|----------------|----------------------|---------------------------|
| Bone Marrow | | Leukemia Mononuclear | |
| Heart | | Leukemia Mononuclear | |
| | Atrium | Thrombosis | |
| Kidney | | Nephropathy | Chronic, Multifocal, Mild |
| | Renal Tubule | Pigmentation | Mild |
| Liver | Bile Duct | Hyperplasia | Multifocal, Mild |
| | | Leukemia Mononuclear | |
| Note: LEUKEMIA MONUC | TGLs = 2-3 | | |
| Lung | | Leukemia Mononuclear | |
| Lymph Node | Mandibular | Leukemia Mononuclear | |
| | Mesenteric | Leukemia Mononuclear | |
| Seminal Vesicle | | Atrophy | Diffuse, Moderate |
| Spleen | | Leukemia Mononuclear | |
| Note: LEUKEMIA MONUC | TGLs = 1-3 | | |
| Stomach | Glandular | Erosion | Focal, Mild |
| Note: EROSION | TGLs = 4-8.1 | | |
| Testes | Interstit Cell | Adenoma | Multiple |
| Note: ADENOMA | TGLs = 3-5 | | |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014

Time Report Requested: 14:14:34

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 117

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 100 PPM HIGH M

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

| | | | |
|-------------|----------------|-----------------------|---------------------------------|
| Bone Marrow | | Leukemia Mononuclear | |
| Eye | Sclera | Metaplasia | Osseous, Multifocal, Mild |
| Heart | | Cardiomyopathy | Multifocal, Mild |
| Kidney | | Nephropathy | Chronic, Multifocal, Mild |
| Liver | Bile Duct | Focal Cellular Change | |
| | | Hyperplasia | Multifocal, Mild |
| Lung | | Leukemia Mononuclear | |
| | | Infiltration Cellular | Histiocyte, Multifocal, Minimal |
| Lymph Node | Mandibular | Leukemia Mononuclear | |
| Spleen | | Leukemia Mononuclear | |
| Testes | Interstit Cell | Adenoma | Multiple |

Note: ADENOMA TGLs = 1-5

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014

Time Report Requested: 14:14:34

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 118

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 100 PPM HIGH M

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

| | | | |
|-----------------|----------------|-----------------------|------------------------------|
| Adrenal Gland | Cortex | Hyperplasia | Focal, Minimal |
| Eye | Sclera | Metaplasia | Osseous, Focal, Minimal |
| Heart | | Cardiomyopathy | Multifocal, Mild |
| Kidney | | Nephropathy | Chronic, Multifocal, Minimal |
| Liver | | Focal Cellular Change | |
| | Bile Duct | Hyperplasia | Multifocal, Mild |
| Pancreas | Acinus | Atrophy | Focal, Moderate |
| Prostate | | Hyperplasia | Focal, Mild |
| Seminal Vesicle | | Atrophy | Diffuse, Moderate |
| Testes | Interstit Cell | Adenoma | Multiple |

Note: ADENOMA TGLs = 1-5

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014
Time Report Requested: 14:14:34
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 119

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 100 PPM HIGH M

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

| | | | |
|--|---------------|----------------------|-------------------------------|
| Adrenal Gland | Medulla | Hyperplasia | Focal, Minimal |
| Bone Marrow | | Leukemia Mononuclear | |
| Eye | Sclera | Metaplasia | Osseous, Multifocal, Minimal |
| Heart | | Cardiomyopathy | Multifocal, Mild |
| | Atrium | Thrombosis | Mild |
| Intestine Small | Duodenum | Ectopic Tissue | |
| Kidney | | Nephropathy | Chronic, Multifocal, Moderate |
| Note: NEPHROPATHY TGLs = 5-4 | | | |
| Liver | | Degeneration | Cystic, Focal, Marked |
| | Bile Duct | Hyperplasia | Multifocal, Moderate |
| | | Hyperplasia | Multifocal, Moderate |
| | | Leukemia Mononuclear | |
| Note: DUCTS SUGGESTING HYPERPLASIA RATHER THAN NEOPLASIA | | | |
| Note: THE COMPRESSING LESION IN THE LIVER IS LACED WITH BILE | | | |
| Note: LEUKEMIA MONUC TGLs = 4-3 | | | |
| Lung | | Leukemia Mononuclear | |
| Pituitary Gland | Pars Distalis | Hyperplasia | Focal, Marked |
| Preputial Gland | | Carcinoma | |
| | | Inflammation | Chronic, Focal, Mild |
| Note: CARCINOMA TGLs = 1-8.1,12 | | | |
| Seminal Vesicle | | Atrophy | Diffuse, Mild |
| Spleen | | Leukemia Mononuclear | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014

Time Report Requested: 14:14:34

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 119

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 100 PPM HIGH M

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Note: LEUKEMIA MONUC TGLs = 3-3

Testes

Interstit Cell

Adenoma

Multiple

Note: ADENOMA TGLs = 2-5

Thyroid Gland

C Cell

Adenoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014
Time Report Requested: 14:14:34
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 120

TRT#: 3

SEX: Male

DAY ON TEST: 675

DOSE: 100 PPM HIGH M

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|-------------------------|---------------------------|--------------------------|----------------------------|
| Bone | Epididymis | Esophagus | Eye |
| Intestine Large - Cecum | Intestine Large - Colon | Intestine Large - Rectum | Intestine Small - Duodenum |
| Intestine Small - Ileum | Intestine Small - Jejunum | Larynx | Nose |
| Pancreas | Parathyroid Gland | Prostate | Salivary Glands |
| Spinal Cord | Stomach - Forestomach | Stomach - Glandular | Thyroid Gland |
| Trachea | Urinary Bladder | | |

MISSING

Thymus

OBSERVATIONS

| | | | |
|--------------------------------------|------------|----------------------|------------------------------|
| Adrenal Gland | Cortex | Leukemia Mononuclear | |
| | Medulla | Leukemia Mononuclear | |
| Bone Marrow | | Leukemia Mononuclear | |
| Brain | | Leukemia Mononuclear | |
| Heart | | Leukemia Mononuclear | |
| Islets, Pancreatic | | Hyperplasia | Focal, Mild |
| Kidney | | Cyst | Mild |
| | | Leukemia Mononuclear | |
| | | Nephropathy | Chronic, Multifocal, Minimal |
| Note: CYST TGLs = 5-4 | | | |
| Liver | | Fatty Change | Mild |
| | Bile Duct | Hyperplasia | Multifocal, Moderate |
| | | Leukemia Mononuclear | |
| Note: LEUKEMIA MONUC TGLs = 6-3 | | | |
| Lung | | Leukemia Mononuclear | |
| Lymph Node | Mandibular | Leukemia Mononuclear | |
| | Mesenteric | Leukemia Mononuclear | |
| Note: LEUKEMIA MONUC TGLs = 7-8 | | | |
| Mammary Gland | Duct | Ectasia | Mild |
| Pituitary Gland | | Leukemia Mononuclear | |
| Preputial Gland | | Inflammation | Chronic, Multifocal, Mild |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014
Time Report Requested: 14:14:34
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 120

TRT#: 3

SEX: Male

DAY ON TEST: 675

DOSE: 100 PPM HIGH M

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

| | | | |
|------------------------|----------------|----------------------|-------------------|
| Seminal Vesicle | | Atrophy | Diffuse, Moderate |
| Skin | | Keratoacanthoma | |
| Note: KERATOACANTHMA | TGLs = 1-12 | | |
| Spleen | | Leukemia Mononuclear | |
| Note: LEUKEMIA MONUC | TGLs = 4-3 | | |
| Testes | Interstit Cell | Adenoma | Multiple |
| Note: ADENOMA | TGLs = 2,3-5 | | |
| PRIMARY CAUSE OF DEATH | - | | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014
Time Report Requested: 14:14:34
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 121

TRT#: 3

SEX: Male

DAY ON TEST: 660

DOSE: 100 PPM HIGH M

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|--------------------------|----------------------------|-------------------------|---------------------------|
| Adrenal Gland - Cortex | Adrenal Gland - Medulla | Bone | Brain |
| Epididymis | Esophagus | Intestine Large - Cecum | Intestine Large - Colon |
| Intestine Large - Rectum | Intestine Small - Duodenum | Intestine Small - Ileum | Intestine Small - Jejunum |
| Islets, Pancreatic | Larynx | Mammary Gland | Nose |
| Parathyroid Gland | Skin | Spinal Cord | Stomach - Forestomach |
| Stomach - Glandular | Thyroid Gland | Trachea | |

OBSERVATIONS

| | | | |
|----------------------|---------------|----------------------|----------------------------------|
| Bone Marrow | | Leukemia Mononuclear | |
| Eye | Sclera | Metaplasia | Osseous, Multifocal, Mild |
| Heart | | Leukemia Mononuclear | |
| Kidney | | Leukemia Mononuclear | |
| | | Nephropathy | Chronic, Multifocal, Mild |
| Liver | | Fatty Change | Marked |
| | Bile Duct | Hyperplasia | Multifocal, Mild |
| | | Leukemia Mononuclear | |
| Note: LEUKEMIA MONUC | TGLs = 2-3 | | |
| Note: FATTY CHANGE | TGLs = 2-3 | | |
| Lung | | Leukemia Mononuclear | |
| Lymph Node | Mandibular | Leukemia Mononuclear | |
| | Mesenteric | Leukemia Mononuclear | |
| Note: LEUKEMIA MONUC | TGLs = 4-8 | | |
| Pancreas | | Leukemia Mononuclear | |
| Pituitary Gland | Pars Distalis | Adenoma | |
| Preputial Gland | | Inflammation | Chronic, Multifocal, Mild |
| Prostate | | Inflammation | Chronic Active, Multifocal, Mild |
| | | Leukemia Mononuclear | |
| Salivary Glands | | Leukemia Mononuclear | |
| Seminal Vesicle | | Atrophy | Diffuse, Marked |
| | | Leukemia Mononuclear | |
| Skin | | | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014
Time Report Requested: 14:14:34
First Dose M/F: NA / NA
Lab: MBA

| | | | |
|-----------------------|-----------------------------|-------------------|-------------------------|
| ANIMAL ID: 121 | TRT#: 3 | SEX: Male | DAY ON TEST: 660 |
| | DOSE: 100 PPM HIGH M | DISP: Dead | HISTO: |

ORGAN AND ACCOUNTABLE SITE STATUS

| | | | |
|------------------------------------|----------------|----------------------|------------------|
| Note: THEN YELLOW CARCASS. (NCL-3) | | | |
| Spleen | | Leukemia Mononuclear | |
| Note: LEUKEMIA MONUC TGLs = 5-3 | | | |
| Testes | Interstit Cell | Adenoma | Multiple |
| | Interstit Cell | Hyperplasia | Multifocal, Mild |
| Note: ADENOMA TGLs = 1-5 | | | |
| Thymus | | Leukemia Mononuclear | |
| Urinary Bladder | | Leukemia Mononuclear | |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014

Time Report Requested: 14:14:34

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 122

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 100 PPM HIGH M

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Brain
Intestine Large - Colon
Intestine Small - Jejunum
Lymph Node - Mandibular
Preputial Gland
Spinal Cord
Thymus

Adrenal Gland - Medulla
Epididymis
Intestine Large - Rectum
Islets, Pancreatic
Mammary Gland
Prostate
Spleen
Thyroid Gland

Bone
Esophagus
Intestine Small - Duodenum
Larynx
Nose
Salivary Glands
Stomach - Forestomach
Trachea

Bone Marrow
Intestine Large - Cecum
Intestine Small - Ileum
Lung
Parathyroid Gland
Skin
Stomach - Glandular
Urinary Bladder

OBSERVATIONS

Eye
Heart
Kidney
Liver

Lymph Node
Pancreas
Pituitary Gland
Seminal Vesicle
Testes

Sclera

Bile Duct
Mesenteric
Acinus
Pars Distalis

Interstit Cell

Metaplasia
Cardiomyopathy
Nephropathy
Focal Cellular Change
Hyperplasia
Infiltration Cellular
Atrophy
Hyperplasia
Atrophy
Adenoma

Osseous, Multifocal, Mild
Multifocal, Minimal
Chronic, Multifocal, Mild

Multifocal, Mild
Histiocyte, Mild
Focal, Moderate
Focal, Minimal
Diffuse, Moderate
Multiple

Note: ADENOMA TGLs = 1-5

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014

Time Report Requested: 14:14:34

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 123

TRT#: 3

SEX: Male

DAY ON TEST: 607

DOSE: 100 PPM HIGH M

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Brain
Intestine Large - Rectum
Kidney
Mammary Gland
Pituitary Gland
Skin
Stomach - Glandular
Urinary Bladder

Adrenal Gland - Medulla
Epididymis
Intestine Small - Duodenum
Larynx
Nose
Preputial Gland
Spinal Cord
Thymus

Bone
Esophagus
Intestine Small - Ileum
Lung
Pancreas
Prostate
Spleen
Thyroid Gland

Bone Marrow
Intestine Large - Colon
Islets, Pancreatic
Lymph Node - Mesenteric
Parathyroid Gland
Salivary Glands
Stomach - Forestomach
Trachea

MISSING

Lymph Node - Mandibular

AUTO PRECLUDES DIAG.

Intestine Large - Cecum

Intestine Small - Jejunum

OBSERVATIONS

Eye
Heart
[Cardiomyopathy TGLS = 6-2]
Liver
Seminal Vesicle
Spleen
Note: NCL 1
Testes
Note: ADENOMA TGLs = 4,5-5

Sclera
Atrium
Centrilobular
Interstit Cell

Metaplasia
Cardiomyopathy
Thrombosis
Congestion
Atrophy
Adenoma

Osseous, Focal, Minimal
Multifocal, Mild
Chronic, Moderate
Diffuse, Marked
Multiple

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014
Time Report Requested: 14:14:34
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 124

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 100 PPM HIGH M

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

| | | | |
|---|----------------|----------------------------------|----------------------------------|
| Adrenal Gland | Cortex | Hematopoietic Cell Proliferation | Multifocal, Minimal |
| Brain | | | |
| Note: DAMAGED AT NECROPSY - BEST SECTION. | | | |
| Eye | Sclera | Metaplasia | Osseous, Multifocal, Mild |
| Heart | | Cardiomyopathy | Multifocal, Mild |
| Kidney | | Nephropathy | Chronic, Multifocal, Minimal |
| Liver | | Focal Cellular Change | |
| | Bile Duct | Hyperplasia | Multifocal, Mild |
| Lung | Alveolar Epith | Hyperplasia | Focal, Moderate |
| Preputial Gland | | Inflammation | Chronic Active, Multifocal, Mild |
| Prostate | | Hyperplasia | Multifocal, Mild |
| Seminal Vesicle | | Atrophy | Diffuse, Mild |
| Testes | Interstit Cell | Adenoma | Multiple |
| Note: ADENOMA TGLs = 1-5 | | | |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014
Time Report Requested: 14:14:34
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 125

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 100 PPM HIGH M

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

| | | | |
|-----------------|----------------|------------------------------|----------------------------------|
| Eye | Sclera | Metaplasia | Osseous, Focal, Minimal |
| Heart | | Cardiomyopathy | Multifocal, Mild |
| Kidney | | Nephropathy | Chronic, Multifocal, Mild |
| Liver | | Focal Cellular Change | |
| | Bile Duct | Hyperplasia | Multifocal, Mild |
| Lung | | Alveolar/Bronchiolar Adenoma | |
| Lymph Node | Mesenteric | Infiltration Cellular | Histiocyte, Mild |
| Nose | Nasolacrim Dct | Inflammation | Chronic, Mild |
| Preputial Gland | | Inflammation | Chronic Active, Multifocal, Mild |
| Prostate | | Hyperplasia | Multifocal, Mild |
| Testes | Interstit Cell | Adenoma | Multiple |
| Note: ADENOMA | TGLs = 1-5 | | |
| Thyroid Gland | Follicle | Cyst | Mild |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014
Time Report Requested: 14:14:34
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 126

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 100 PPM HIGH M

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|-------------------------|---------------------------|--------------------------|----------------------------|
| Adrenal Gland - Medulla | Bone | Epididymis | Esophagus |
| Intestine Large - Cecum | Intestine Large - Colon | Intestine Large - Rectum | Intestine Small - Duodenum |
| Intestine Small - Ileum | Intestine Small - Jejunum | Islets, Pancreatic | Larynx |
| Lymph Node - Mandibular | Mammary Gland | Nose | Pancreas |
| Parathyroid Gland | Salivary Glands | Skin | Spinal Cord |
| Stomach - Forestomach | Stomach - Glandular | Thyroid Gland | Tooth |
| Trachea | Urinary Bladder | | |

OBSERVATIONS

| | | | |
|---------------------------------|----------------|----------------------------------|------------------------------|
| Adrenal Gland | Cortex | Degeneration | Focal, Mild |
| | Cortex | Hematopoietic Cell Proliferation | Multifocal, Mild |
| Bone Marrow | | Leukemia Mononuclear | |
| Brain | | Leukemia Mononuclear | |
| Eye | Sclera | Metaplasia | Osseous, Focal, Minimal |
| Heart | | Cardiomyopathy | Multifocal, Minimal |
| Kidney | | Nephropathy | Chronic, Multifocal, Mild |
| Liver | Bile Duct | Hyperplasia | Multifocal, Mild |
| | | Leukemia Mononuclear | |
| Lung | | Leukemia Mononuclear | |
| Lymph Node | Mesenteric | Leukemia Mononuclear | |
| Pituitary Gland | Pars Distalis | Hyperplasia | Focal, Moderate |
| Preputial Gland | | Inflammation | Chronic, Multifocal, Minimal |
| Prostate | | Hyperplasia | Focal, Minimal |
| Seminal Vesicle | | Atrophy | Diffuse, Moderate |
| Spleen | | Leukemia Mononuclear | |
| Note: LEUKEMIA MONUC TGLs = 1-3 | | | |
| Testes | Interstit Cell | Adenoma | Multiple |
| Note: ADENOMA TGLs = 2-5 | | | |
| Thymus | | Leukemia Mononuclear | |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014
Time Report Requested: 14:14:34
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 127

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 100 PPM HIGH M

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

| | | | |
|----------------------|--------------|-----------------------|---------------------------|
| Adrenal Gland | Cortex | Leukemia Mononuclear | |
| | Medulla | Leukemia Mononuclear | |
| Bone Marrow | | Leukemia Mononuclear | |
| Eye | Sclera | Metaplasia | Osseous, Multifocal, Mild |
| Heart | | Cardiomyopathy | Multifocal, Moderate |
| | | Leukemia Mononuclear | |
| Kidney | | Leukemia Mononuclear | |
| | | Nephropathy | Chronic, Multifocal, Mild |
| Note: NEPHROPATHY | TGLs = 4-4 | | |
| Note: LEUKEMIA MONUC | TGLs = 4-4 | | |
| Liver | | Degeneration | Cystic, Focal, Minimal |
| | | Focal Cellular Change | |
| | Bile Duct | Hyperplasia | Multifocal, Moderate |
| | | Leukemia Mononuclear | |
| Note: FOCAL CELL CH | TGLs = 5-3 | | |
| Note: LEUKEMIA MONUC | TGLs = 5,6-3 | | |
| Lung | | Leukemia Mononuclear | |
| Lymph Node | Mandibular | Leukemia Mononuclear | |
| Pancreas | Acinus | Atrophy | Diffuse, Marked |
| Preputial Gland | | Inflammation | Chronic, Focal, Mild |
| Seminal Vesicle | | Atrophy | Diffuse, Moderate |
| Spleen | | Leukemia Mononuclear | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014
Time Report Requested: 14:14:34
First Dose M/F: NA / NA
Lab: MBA

| | | | |
|-----------------------|-----------------------------|---------------------------------|-------------------------|
| ANIMAL ID: 127 | TRT#: 3 | SEX: Male | DAY ON TEST: 730 |
| | DOSE: 100 PPM HIGH M | DISP: Terminal Sacrifice | HISTO: |

ORGAN AND ACCOUNTABLE SITE STATUS

| | | | |
|---------------------------------|----------------|---------|----------|
| Note: LEUKEMIA MONUC TGLs = 3-3 | | | |
| Testes | Interstit Cell | Adenoma | Multiple |
| Note: ADENOMA TGLs = 1,2-5 | | | |
| PRIMARY CAUSE OF DEATH | - | | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014
Time Report Requested: 14:14:34
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 128

TRT#: 3

SEX: Male

DAY ON TEST: 703

DOSE: 100 PPM HIGH M

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|--------------------------|----------------------------|-------------------------|---------------------------|
| Adrenal Gland - Medulla | Bone | Brain | Esophagus |
| Eye | Heart | Intestine Large - Cecum | Intestine Large - Colon |
| Intestine Large - Rectum | Intestine Small - Duodenum | Intestine Small - Ileum | Intestine Small - Jejunum |
| Islets, Pancreatic | Larynx | Lymph Node - Mandibular | Lymph Node - Mesenteric |
| Mammary Gland | Nose | Parathyroid Gland | Pituitary Gland |
| Prostate | Skin | Spinal Cord | Spleen |
| Stomach - Forestomach | Stomach - Glandular | Thyroid Gland | Trachea |
| Urinary Bladder | | | |

MISSING

| | |
|-----------------|--------|
| Preputial Gland | Thymus |
|-----------------|--------|

OBSERVATIONS

| | | | |
|--|----------------|----------------------------------|---------------------------|
| Adrenal Gland | Cortex | Degeneration | Multifocal, Minimal |
| | Cortex | Hematopoietic Cell Proliferation | Multifocal, Minimal |
| Bone Marrow | | Hyperplasia | Mild |
| Epididymis | | Granuloma Sperm | Mild |
| Kidney | | Nephropathy | Chronic, Multifocal, Mild |
| Liver | | Focal Cellular Change | |
| | Bile Duct | Hyperplasia | Multifocal, Mild |
| Lung | Alveolar Epith | Hyperplasia | Focal, Moderate |
| Pancreas | Acinus | Atrophy | Multifocal, Mild |
| Salivary Glands | | Schwannoma Malignant | |
| Note: [SCHWANNOMA MAL] TGLs = 1-2 | | | |
| Seminal Vesicle | | Atrophy | Diffuse, Moderate |
| Spleen | | | |
| Note: AS NOTED GROSSLY | | | |
| Note: THE SIZE 3.5X7X2MM DOES NOT REPRESENT A SMALL SPLEEN | | | |
| Note: NCL 4 | | | |
| Testes | Interstit Cell | Adenoma | Multiple |
| Note: ADENOMA TGLs = 2,3-5 | | | |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014
Time Report Requested: 14:14:34
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 128

TRT#: 3

SEX: Male

DAY ON TEST: 703

DOSE: 100 PPM HIGH M

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014

Time Report Requested: 14:14:34

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 129

TRT#: 3

SEX: Male

DAY ON TEST: 659

DOSE: 100 PPM HIGH M

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Epididymis
Larynx
Mammary Gland
Preputial Gland
Stomach - Forestomach
Urinary Bladder

Adrenal Gland - Medulla
Esophagus
Lung
Nose
Salivary Glands
Stomach - Glandular

Bone
Intestine Small - Duodenum
Lymph Node - Mandibular
Parathyroid Gland
Skin
Thyroid Gland

Brain
Islets, Pancreatic
Lymph Node - Mesenteric
Pituitary Gland
Spinal Cord
Trachea

MISSING

Thymus

AUTO PRECLUDES DIAG.

Intestine Large - Cecum
Intestine Small - Jejunum

Intestine Large - Colon
Pancreas

Intestine Large - Rectum

Intestine Small - Ileum

OBSERVATIONS

Bone Marrow
Eye
Heart
Kidney
Liver
Lung

Sclera

Bile Duct

Hyperplasia
Metaplasia
Cardiomyopathy
Nephropathy
Hyperplasia

Mild
Osseous, Focal, Minimal
Multifocal, Mild
Chronic, Multifocal, Minimal
Multifocal, Mild

Note: NCL - 5
Note: VESSELS HAVE POSTMOR. RELAX. AND APPEAR CONGESTED NCL-5

Prostate
Seminal Vesicle
Skin

Inflammation
Atrophy

Acute, Multifocal, Mild
Diffuse, Moderate

Note: TGLS-1-NST
Note: SKIN FROM AREA OF LESION 1 NOT FOUND IN WET TISSUE.
Note: 6MM LESION FROM RT. DORSAL LEG. SKIN NOT FOUND AT TRIM.

Spleen
Note: ATROPHY TGLs = 4-3

Lymph Follic

Atrophy

Mild

Testes
Interstit Cell

Adenoma

Multiple

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014

Time Report Requested: 14:14:34

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 129

TRT#: 3

SEX: Male

DAY ON TEST: 659

DOSE: 100 PPM HIGH M

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Note: ADENOMA TGLs = 3-5

Zymbal's Gland

Carcinoma

Note: CARCINOMA TGLs = 2-12

Note: NECK MASS (2) LOCATED ADJACENT TO EAR CANAL

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014
Time Report Requested: 14:14:34
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 130

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 100 PPM HIGH M

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

| | | | |
|---------------------------------|----------------|-----------------------|------------------------------|
| Eye | Sclera | Metaplasia | Osseous, Focal, Minimal |
| Heart | | Cardiomyopathy | Multifocal, Mild |
| Note: CARDIOMYOPATHY TGLs = 2-2 | | | |
| Kidney | | Nephropathy | Chronic, Multifocal, Minimal |
| Liver | | Focal Cellular Change | |
| | Bile Duct | Hyperplasia | Multifocal, Mild |
| Lymph Node | Mesenteric | Infiltration Cellular | Histiocyte, Minimal |
| Pancreas | Acinus | Atrophy | Multifocal, Mild |
| Pituitary Gland | Pars Distalis | Angiectasis | Mild |
| Preputial Gland | | Inflammation | Chronic, Multifocal, Minimal |
| Seminal Vesicle | | Atrophy | Diffuse, Moderate |
| Testes | Interstit Cell | Adenoma | Multiple |
| Note: ADENOMA TGLs = 1-5 | | | |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014
Time Report Requested: 14:14:34
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 131

TRT#: 3

SEX: Male

DAY ON TEST: 695

DOSE: 100 PPM HIGH M

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|--------------------------|----------------------------|-------------------------|---------------------------|
| Adrenal Gland - Cortex | Adrenal Gland - Medulla | Bone | Brain |
| Epididymis | Esophagus | Intestine Large - Cecum | Intestine Large - Colon |
| Intestine Large - Rectum | Intestine Small - Duodenum | Intestine Small - Ileum | Intestine Small - Jejunum |
| Islets, Pancreatic | Larynx | Mammary Gland | Nose |
| Parathyroid Gland | Prostate | Salivary Glands | Skin |
| Spinal Cord | Stomach - Forestomach | Stomach - Glandular | Thyroid Gland |
| Trachea | | | |

OBSERVATIONS

| | | | |
|----------------------|----------------|-----------------------|-------------------------------|
| Bone Marrow | | Leukemia Mononuclear | |
| Eye | Sclera | Metaplasia | Osseous, Multifocal, Minimal |
| Heart | | Leukemia Mononuclear | |
| Kidney | | Leukemia Mononuclear | |
| | | Nephropathy | Chronic, Multifocal, Mild |
| Liver | | Fatty Change | Mild |
| | Bile Duct | Focal Cellular Change | |
| | | Hyperplasia | Multifocal, Moderate |
| | | Leukemia Mononuclear | |
| Note: FOCAL CELL CH | TGLs = 3-3 | | |
| Note: LEUKEMIA MONUC | TGLs = 3-3 | | |
| Lung | | Leukemia Mononuclear | |
| Lymph Node | Mandibular | Leukemia Mononuclear | |
| | Mediastinal | Leukemia Mononuclear | |
| | Mesenteric | Leukemia Mononuclear | |
| Pancreas | Acinus | Atrophy | Multifocal, Moderate |
| Pituitary Gland | | Leukemia Mononuclear | |
| Preputial Gland | | Inflammation | Chronic, Multifocal, Moderate |
| Seminal Vesicle | | Atrophy | Diffuse, Moderate |
| Spleen | | Leukemia Mononuclear | |
| Note: LEUKEMIA MONUC | TGLs = 1-3 | | |
| Testes | Interstit Cell | Adenoma | Multiple |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014

Time Report Requested: 14:14:34

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 131

TRT#: 3

SEX: Male

DAY ON TEST: 695

DOSE: 100 PPM HIGH M

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Note: ADENOMA TGLs = 2-5

Thymus

Leukemia Mononuclear

Urinary Bladder

Leukemia Mononuclear

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014

Time Report Requested: 14:14:34

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 132

TRT#: 3

SEX: Male

DAY ON TEST: 639

DOSE: 100 PPM HIGH M

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

| | | | |
|----------------------|--------------|----------------------|---------------------------|
| Adrenal Gland | Cortex | Leukemia Mononuclear | |
| | Medulla | Leukemia Mononuclear | |
| Brain | Cerebrum | Necrosis | Focal, Marked |
| Eye | Sclera | Metaplasia | Osseous, Multifocal, Mild |
| Heart | Atrium | Leukemia Mononuclear | |
| Note: THROMBUS | | Thrombosis | Marked |
| TGLs = 8-2 | | | |
| Kidney | Renal Tubule | Pigmentation | Mild |
| Liver | Bile Duct | Fatty Change | Moderate |
| | | Hyperplasia | Multifocal, Mild |
| | | Leukemia Mononuclear | |
| Note: LEUKEMIA MONUC | | | |
| TGLs = 2-3 | | | |
| Lung | | Leukemia Mononuclear | |
| Note: LEUKEMIA MONUC | | | |
| TGLs = 7-7 | | | |
| Lymph Node | Mesenteric | Leukemia Mononuclear | |
| Mesentery | Fat | Necrosis | Moderate |
| Note: NECROSIS | | | |
| TGLs = 5-12 | | | |
| Preputial Gland | | Inflammation | Chronic, Diffuse, Mild |
| Seminal Vesicle | | Atrophy | Diffuse, Moderate |
| Spleen | | Leukemia Mononuclear | |
| Note: LEUKEMIA MONUC | | | |
| TGLs = 1-3 | | | |
| Stomach | Forestomach | Erosion | Mild |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014
Time Report Requested: 14:14:34
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 132

TRT#: 3

SEX: Male

DAY ON TEST: 639

DOSE: 100 PPM HIGH M

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Forestomach

Inflammation

Chronic Active, Diffuse, Moderate

Forestomach

Ulcer

Mild

Note: EROSION TGLs = 6-8

Note: ULCER TGLs = 6-8

Testes

Interstit Cell

Adenoma

Multiple

Note: ADENOMA TGLs = 3,4-5

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014
Time Report Requested: 14:14:34
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 133

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 100 PPM HIGH M

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|-------------------------|----------------------------|-------------------------|---------------------------|
| Adrenal Gland - Medulla | Bone | Brain | Epididymis |
| Esophagus | Intestine Small - Duodenum | Intestine Small - Ileum | Intestine Small - Jejunum |
| Islets, Pancreatic | Larynx | Lymph Node - Mandibular | Mammary Gland |
| Nose | Pancreas | Parathyroid Gland | Prostate |
| Salivary Glands | Skin | Spinal Cord | Stomach - Forestomach |
| Stomach - Glandular | Thymus | Trachea | Urinary Bladder |

MISSING

Ear

OBSERVATIONS

| | | | |
|----------------------|----------------|----------------------------------|---------------------------|
| Adrenal Gland | Cortex | Hematopoietic Cell Proliferation | Multifocal, Minimal |
| Bone Marrow | | Leukemia Mononuclear | |
| Eye | Retina | Atrophy | Minimal |
| | Sclera | Metaplasia | Osseous, Multifocal, Mild |
| Heart | | Cardiomyopathy | Multifocal, Mild |
| Kidney | | Nephropathy | Chronic, Multifocal, Mild |
| | Renal Tubule | Pigmentation | Mild |
| Liver | Bile Duct | Hyperplasia | Multifocal, Moderate |
| | | Leukemia Mononuclear | |
| Lung | | Leukemia Mononuclear | |
| Lymph Node | Mesenteric | Leukemia Mononuclear | |
| Pituitary Gland | Pars Distalis | Adenoma | |
| Preputial Gland | | Inflammation | Chronic, Multifocal, Mild |
| Seminal Vesicle | | Atrophy | Diffuse, Marked |
| Spleen | | Leukemia Mononuclear | |
| Note: LEUKEMIA MONUC | TGLs = 1-3 | | |
| Testes | Interstit Cell | Adenoma | Multiple |
| Thyroid Gland | C Cell | Hyperplasia | Focal, Moderate |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014
Time Report Requested: 14:14:34
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 134

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 100 PPM HIGH M

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

| | | | |
|-----------------|---------------|-----------------------|------------------------------|
| Adrenal Gland | Cortex | Hyperplasia | Focal, Minimal |
| Eye | Sclera | Metaplasia | Osseous, Multifocal, Minimal |
| Heart | | Cardiomyopathy | Multifocal, Minimal |
| Kidney | | Nephropathy | Chronic, Multifocal, Mild |
| Liver | | Focal Cellular Change | |
| | Bile Duct | Hyperplasia | Multifocal, Mild |
| Pituitary Gland | Pars Distalis | Adenoma | |
| Preputial Gland | | Inflammation | Chronic, Focal, Minimal |
| Seminal Vesicle | | Dilatation | Moderate |
| | | Inflammation | Chronic, Focal, Moderate |

Note: DILATATION TGLs = 1-5

Note: INFLAMMATION TGLs = 1-12

| | | |
|--------|----------------|---------|
| Testes | Interstit Cell | Adenoma |
|--------|----------------|---------|

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014
Time Report Requested: 14:14:34
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 135

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 100 PPM HIGH M

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

| | | | |
|-----------------|----------------|-----------------------|----------------------------------|
| Adrenal Gland | Cortex | Adenoma | |
| Eye | Sclera | Metaplasia | Osseous, Multifocal, Minimal |
| Heart | Coron Artery | Inflammation | Chronic, Mild |
| Kidney | | Nephropathy | Chronic, Multifocal, Mild |
| Liver | | Focal Cellular Change | |
| | Bile Duct | Hyperplasia | Multifocal, Mild |
| Nose | | Foreign Body | Mild |
| | Mucosa | Inflammation | Chronic Active, Multifocal, Mild |
| Pituitary Gland | Pars Distalis | Hyperplasia | Focal, Mild |
| Spleen | | Leukemia Mononuclear | |
| Testes | Interstit Cell | Adenoma | Multiple |

Note: ADENOMA TGLs = 1-5

Thymus

Note: FRAGMENT ONLY

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014

Time Report Requested: 14:14:34

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 136

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 100 PPM HIGH M

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

| | | | |
|--|----------------|-----------------------|----------------------------|
| Epididymis | | Leukemia Mononuclear | |
| Eye | | Inflammation | Chronic, Marked |
| Note: INFLAMMATORY PROCESS OF THE EYE. THE SECTION IS DISRUPTED. | | | |
| Note: FRAGMENTS OF LENS APPEARS TO BE INCORPORATED IN THE | | | |
| Heart | | Cardiomyopathy | Multifocal, Mild |
| Islets, Pancreatic | | Hyperplasia | Focal, Moderate |
| Kidney | | Nephropathy | Chronic, Multifocal, Mild |
| Liver | | Focal Cellular Change | |
| | Bile Duct | Hyperplasia | Multifocal, Moderate |
| | | Leukemia Mononuclear | |
| Lymph Node | Mesenteric | Hemorrhage | Moderate |
| | Mesenteric | Leukemia Mononuclear | |
| Note: HEMORRHAGE TGLs = 2-8 | | | |
| Note: LEUKEMIA MONUC TGLs = 2-8 | | | |
| Mammary Gland | Duct | Ectasia | Moderate |
| Nose | Mucosa | Inflammation | Subacute, Multifocal, Mild |
| | Nasolacrim Dct | Inflammation | Chronic, Mild |
| Pancreas | Acinus | Atrophy | Focal, Minimal |
| Pituitary Gland | Pars Distalis | Adenoma | |
| [Adenoma TGLS = 3-1] | | | |
| Preputial Gland | | Inflammation | Chronic, Multifocal, Mild |
| Spleen | | Leukemia Mononuclear | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014
Time Report Requested: 14:14:34
First Dose M/F: NA / NA
Lab: MBA

| | | | |
|-----------------------|-----------------------------|---------------------------------|-------------------------|
| ANIMAL ID: 136 | TRT#: 3 | SEX: Male | DAY ON TEST: 729 |
| | DOSE: 100 PPM HIGH M | DISP: Terminal Sacrifice | HISTO: |

ORGAN AND ACCOUNTABLE SITE STATUS

| | | |
|-------------------------------|-------------------|---------|
| Testes | Interstitial Cell | Adenoma |
| Note: ADENOMA TGLs = 1-5 | | |
| Thyroid Gland | C Cell | Adenoma |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014
Time Report Requested: 14:14:34
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 137

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 100 PPM HIGH M

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland

OBSERVATIONS

| | | | |
|----------------------------|----------------|-----------------------|---------------------------------|
| Eye | Sclera | Metaplasia | Osseous, Multifocal, Mild |
| Heart | | Cardiomyopathy | Multifocal, Mild |
| Kidney | | Nephropathy | Chronic, Multifocal, Mild |
| Liver | | Focal Cellular Change | |
| | Bile Duct | Hyperplasia | Multifocal, Mild |
| | | Inflammation | Chronic, Multifocal, Minimal |
| Lung | | Infiltration Cellular | Histiocyte, Multifocal, Minimal |
| Mesentery | Fat | Necrosis | Moderate |
| Note: NECROSIS TGLs = 2-12 | | | |
| Nose | Nasolacrim Dct | Inflammation | Chronic, Mild |
| Pancreas | Acinus | Atrophy | Multifocal, Mild |
| Testes | Interstit Cell | Adenoma | Multiple |
| Note: ADENOMA TGLs = 1-5 | | | |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014
Time Report Requested: 14:14:34
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 138

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 100 PPM HIGH M

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

| | | | |
|---------------------------------|----------------|----------------------------|---------------------------------|
| Adrenal Gland | Cortex | Hyperplasia | Multifocal, Moderate |
| Eye | Sclera | Metaplasia | Osseous, Multifocal, Mild |
| Heart | | Cardiomyopathy | Multifocal, Mild |
| Kidney | | Nephropathy | Chronic, Multifocal, Mild |
| Liver | | Focal Cellular Change | |
| | | Hepatodiaphragmatic Nodule | |
| | Bile Duct | Hyperplasia | Multifocal, Mild |
| Note: ANOM HEPAT LOB TGLs = 2-3 | | | |
| Lung | Alveolar Epith | Hyperplasia | Focal, Moderate |
| | | Infiltration Cellular | Histiocyte, Multifocal, Minimal |
| Nose | Nasolacrim Dct | Inflammation | Chronic, Minimal |
| Pancreas | Acinus | Atrophy | Multifocal, Minimal |
| Pituitary Gland | Pars Distalis | Hyperplasia | Focal, Moderate |
| Preputial Gland | | Inflammation | Chronic, Multifocal, Mild |
| Testes | Interstit Cell | Adenoma | Multiple |
| Note: ADENOMA TGLs = 1-5 | | | |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014
Time Report Requested: 14:14:35
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 139

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 100 PPM HIGH M

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

| | | | |
|-----------------|----------------|-----------------------|----------------------------------|
| Eye | Lens | Cataract | Mild |
| | Sclera | Metaplasia | Osseous, Multifocal, Mild |
| Heart | | Cardiomyopathy | Multifocal, Mild |
| Kidney | | Nephropathy | Chronic, Multifocal, Minimal |
| Liver | | Focal Cellular Change | |
| | Bile Duct | Hyperplasia | Multifocal, Mild |
| Mesentery | Fat | Necrosis | Moderate |
| Note: NECROSIS | TGLs = 3-12 | | |
| Nose | | Fungus | Mild |
| | Mucosa | Inflammation | Chronic Active, Multifocal, Mild |
| | | Metaplasia | Squamous, Focal, Minimal |
| Pancreas | Acinus | Atrophy | Focal, Mild |
| Preputial Gland | | Abscess | Marked |
| | | Hyperplasia | Focal, Moderate |
| Note: ABSCESS | TGLs = 1-13 | | |
| Testes | Interstit Cell | Adenoma | Multiple |
| Note: ADENOMA | TGLs = 2-5 | | |

PRIMARY CAUSE OF DEATH

-

Animal Note: PROCESSOR MALFUNCTION

Animal Note: PROCESSOR MALFUNCTION

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014
Time Report Requested: 14:14:35
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 139

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 100 PPM HIGH M

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014
Time Report Requested: 14:14:35
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 140

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 100 PPM HIGH M

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Intestine Large - Rectum

OBSERVATIONS

| | | | |
|-----------------|----------------|-----------------------|---------------------------------|
| Adrenal Gland | Cortex | Hyperplasia | Focal, Mild |
| Eye | Lens | Cataract | Minimal |
| | Sclera | Metaplasia | Osseous, Multifocal, Mild |
| Heart | | Cardiomyopathy | Multifocal, Mild |
| Kidney | | Nephropathy | Chronic, Multifocal, Mild |
| Liver | | Focal Cellular Change | |
| | Bile Duct | Hyperplasia | Multifocal, Minimal |
| Lung | | Infiltration Cellular | Histiocyte, Multifocal, Minimal |
| Lymph Node | Mesenteric | Infiltration Cellular | Histiocyte, Minimal |
| Nose | Mucosa | Inflammation | Subacute, Multifocal, Mild |
| | Nasolacrim Dct | Inflammation | Chronic Active, Mild |
| Pituitary Gland | Pars Distalis | Adenoma | |
| | Pars Distalis | Cyst | Mild |
| Preputial Gland | | Inflammation | Chronic, Multifocal, Mild |
| Seminal Vesicle | | Atrophy | Diffuse, Marked |
| Note: ATROPHY | TGLs = 3-5 | | |
| Spleen | | Leukemia Mononuclear | |
| Testes | Interstit Cell | Adenoma | Multiple |
| Note: ADENOMA | TGLs = 2,1-5 | | |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014
Time Report Requested: 14:14:35
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 140

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 100 PPM HIGH M

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014

Time Report Requested: 14:14:35

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 141

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 100 PPM HIGH M

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Brain
Intestine Large - Rectum
Islets, Pancreatic
Mammary Gland
Salivary Glands
Stomach - Glandular
Urinary Bladder

Adrenal Gland - Medulla
Esophagus
Intestine Small - Duodenum
Larynx
Pancreas
Skin
Thymus

Blood
Intestine Large - Cecum
Intestine Small - Ileum
Lymph Node - Mandibular
Parathyroid Gland
Spinal Cord
Thyroid Gland

Bone
Intestine Large - Colon
Intestine Small - Jejunum
Lymph Node - Mesenteric
Prostate
Stomach - Forestomach
Trachea

MISSING

Seminal Vesicle

OBSERVATIONS

Blood
Note: NCL-1
Bone Marrow
Epididymis
Eye
Heart
Kidney
Liver
Lung
Mesentery
Note: MESOTHELIO MAL TGLs = 3-16,12
Nose
Pituitary Gland
Preputial Gland
Spleen

Serosa
Sclera
Renal Tubule
Bile Duct
Mucosa
Pars Distalis

Leukemia Mononuclear
Mesothelioma Malignant
Metaplasia
Cardiomyopathy
Nephropathy
Pigmentation
Focal Cellular Change
Hyperplasia
Leukemia Mononuclear
Leukemia Mononuclear
Mesothelioma Malignant
Fungus
Inflammation
Hyperplasia
Inflammation
Leukemia Mononuclear

Metastatic (Uncertain Primary Site)
Osseous, Focal, Minimal
Multifocal, Mild
Chronic, Multifocal, Mild
Mild
Multifocal, Moderate
Metastatic (Uncertain Primary Site)
Mild
Chronic Active, Multifocal, Mild
Multifocal, Mild
Chronic, Multifocal, Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014
Time Report Requested: 14:14:35
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 141

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 100 PPM HIGH M

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Note: LEUKEMIA MONUC TGLs = 2-3

Testes

Interstit Cell

Adenoma

Multiple

Tunic

Mesothelioma Malignant

Note: MESOTHELIO MAL TGLs = 4-5

PRIMARY CAUSE OF DEATH

-

Animal Note: PROCESSOR MALFUNCTION

Experiment Number: 05029-01

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014

Time Report Requested: 14:14:35

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 142

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 100 PPM HIGH M

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|---------------------------|--------------------------|----------------------------|-------------------------|
| Adrenal Gland - Cortex | Bone | Bone Marrow | Brain |
| Epididymis | Esophagus | Eye | Intestine Large - Cecum |
| Intestine Large - Colon | Intestine Large - Rectum | Intestine Small - Duodenum | Intestine Small - Ileum |
| Intestine Small - Jejunum | Islets, Pancreatic | Larynx | Lung |
| Lymph Node - Mesenteric | Mammary Gland | Parathyroid Gland | Pituitary Gland |
| Prostate | Salivary Glands | Skin | Spinal Cord |
| Spleen | Stomach - Forestomach | Stomach - Glandular | Thymus |
| Thyroid Gland | Trachea | Urinary Bladder | |

OBSERVATIONS

| | | | |
|-----------------|----------------|-------------------------|------------------------------|
| Adrenal Gland | Medulla | Pheochromocytoma Benign | |
| Heart | | Cardiomyopathy | Multifocal, Minimal |
| Kidney | | Nephropathy | Chronic, Multifocal, Minimal |
| Liver | | Focal Cellular Change | |
| | Bile Duct | Hyperplasia | Multifocal, Mild |
| | | Inflammation | Chronic, Multifocal, Minimal |
| Lymph Node | Mandibular | Hyperplasia | Lymphoid, Mild |
| Nose | Nasolacrim Dct | Inflammation | Subacute, Mild |
| Pancreas | Acinus | Atrophy | Multifocal, Mild |
| Preputial Gland | | Inflammation | Chronic, Focal, Mild |
| Seminal Vesicle | | Atrophy | Diffuse, Marked |
| Testes | Interstit Cell | Adenoma | Multiple |
| | Tunic | Mesothelioma Malignant | |

Note: ADENOMA TGLs = 1,2-5

Note: MESOTHELIO MAL TGLs = 1,2-5

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014
Time Report Requested: 14:14:35
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 143

TRT#: 3

SEX: Male

DAY ON TEST: 722

DOSE: 100 PPM HIGH M

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|------------------------|-------------------------|-------------------------|-----------------------|
| Adrenal Gland - Cortex | Adrenal Gland - Medulla | Bone | Brain |
| Epididymis | Esophagus | Heart | Larynx |
| Lung | Lymph Node - Mandibular | Lymph Node - Mesenteric | Mammary Gland |
| Nose | Pancreas | Parathyroid Gland | Pituitary Gland |
| Prostate | Salivary Glands | Spinal Cord | Stomach - Forestomach |
| Stomach - Glandular | Thymus | Thyroid Gland | Trachea |
| Urinary Bladder | | | |

AUTO PRECLUDES DIAG.

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

OBSERVATIONS

| | | | |
|--------------------------------|----------------|-----------------------|-------------------------------|
| Bone Marrow | | Hyperplasia | Mild |
| Eye | Sclera | Metaplasia | Osseous, Multifocal, Minimal |
| Islets, Pancreatic | | Adenoma | |
| Note: [ADENOMA] TGLs = 7-8 | | | |
| Kidney | | Nephropathy | Chronic, Multifocal, Mild |
| Liver | | Focal Cellular Change | |
| | Bile Duct | Hyperplasia | Multifocal, Minimal |
| Note: FOCAL CELL CH TGLs = 5-3 | | | |
| Note: HYPERPLASIA TGLs = 5-3 | | | |
| Preputial Gland | | Inflammation | Chronic, Multifocal, Moderate |
| Seminal Vesicle | | Atrophy | Diffuse, Marked |
| Skin | Hair Follicle | Atrophy | Mild |
| | Subcut Tiss | Fibroma | |
| Note: FIBROMA TGLs = 1-12 | | | |
| Note: ATROPHY TGLs = 6-12 | | | |
| Spleen | Lymph Follic | Atrophy | Marked |
| Note: ATROPHY TGLs = 2-3 | | | |
| Testes | Interstit Cell | Adenoma | Multiple |
| Note: ADENOMA TGLs = 3,4-5 | | | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014

Time Report Requested: 14:14:35

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 143

TRT#: 3

SEX: Male

DAY ON TEST: 722

DOSE: 100 PPM HIGH M

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

Animal Note: SEVERAL ORGANS ARE PARTIALLY AUTOLYZED

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014
Time Report Requested: 14:14:35
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 144

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 100 PPM HIGH M

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

| | | | |
|---|----------------|----------------------------|------------------------------|
| Adrenal Gland Note: PHEOCHROM MAL TGLs = 3-4 | Medulla | Pheochromocytoma Malignant | |
| Brain Note: BEST SECTION | | | |
| Eye | Sclera | Metaplasia | Osseous, Multifocal, Minimal |
| Heart | | Cardiomyopathy | Multifocal, Minimal |
| Kidney | | Nephropathy | Chronic, Multifocal, Minimal |
| Liver | | Focal Cellular Change | |
| | Bile Duct | Hyperplasia | Multifocal, Mild |
| | | Leukemia Mononuclear | |
| Nose | Nasolacrim Dct | Inflammation | Chronic, Minimal |
| Pancreas | Acinus | Atrophy | Multifocal, Mild |
| Pituitary Gland | Pars Distalis | Adenoma | |
| Seminal Vesicle | | Atrophy | Diffuse, Mild |
| Spleen | | Leukemia Mononuclear | |
| Testes Note: ADENOMA TGLs = 1,2-5 | Interstit Cell | Adenoma | Multiple |
| Thyroid Gland | C Cell | Hyperplasia | Focal, Moderate |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014
Time Report Requested: 14:14:35
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 145

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 100 PPM HIGH M

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

| | | | |
|-----------------|----------------|-----------------------|------------------------------|
| Eye | Sclera | Metaplasia | Osseous, Multifocal, Minimal |
| Heart | | Cardiomyopathy | Multifocal, Mild |
| Kidney | | Nephropathy | Chronic, Multifocal, Mild |
| Liver | | Degeneration | Cystic, Focal, Minimal |
| | | Focal Cellular Change | |
| | Bile Duct | Hyperplasia | Multifocal, Mild |
| Lymph Node | Mandibular | Degeneration | Cystic, Mild |
| Nose | | Foreign Body | Minimal |
| Pituitary Gland | Pars Distalis | Cyst | Mild |
| Preputial Gland | | Inflammation | Chronic Active, Focal, Mild |
| Prostate | | Hyperplasia | Focal, Minimal |
| Seminal Vesicle | | Atrophy | Diffuse, Moderate |
| Testes | Interstit Cell | Adenoma | Multiple |

Note: ADENOMA TGLs = 1-5

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014

Time Report Requested: 14:14:35

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 146

TRT#: 3

SEX: Male

DAY ON TEST: 436

DOSE: 100 PPM HIGH M

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

| | | | |
|--------------------|-------------|--------------|--------------------------------------|
| Eye | Sclera | Metaplasia | Osseous, Focal, Minimal |
| Heart | | | |
| Note: NCL - 3 | | | |
| Intest Large | | | |
| Note: NCL-2 | | | |
| Intest Small | | | |
| Note: NCL-2 | | | |
| Kidney | | Nephropathy | Chronic, Multifocal, Minimal |
| Liver | | | |
| Note: NCL-1 | | | |
| Lung | | Foreign Body | Mild |
| | | Inflammation | Acute, Multifocal, Mild |
| Nose | | Fungus | Mild |
| | Mucosa | Inflammation | Chronic Active, Multifocal, Moderate |
| | Mucosa | Metaplasia | Squamous, Multifocal, Moderate |
| Spinal Cord | | | |
| Note: BEST SECTION | | | |
| Stomach | Forestomach | Inflammation | Subacute, Mild |
| | Forestomach | Ulcer | Mild |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014
Time Report Requested: 14:14:35
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 147

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 100 PPM HIGH M

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|----------------------------|-------------------------|---------------------------|--------------------------|
| Adrenal Gland - Cortex | Bone | Brain | Epididymis |
| Esophagus | Intestine Large - Cecum | Intestine Large - Colon | Intestine Large - Rectum |
| Intestine Small - Duodenum | Intestine Small - Ileum | Intestine Small - Jejunum | Larynx |
| Lymph Node - Mesenteric | Mammary Gland | Pancreas | Parathyroid Gland |
| Prostate | Salivary Glands | Skin | Spinal Cord |
| Stomach - Forestomach | Stomach - Glandular | Thymus | Thyroid Gland |
| Trachea | Urinary Bladder | | |

OBSERVATIONS

| | | | |
|------------------------------------|----------------|-------------------------|----------------------------------|
| Adrenal Gland | Medulla | Leukemia Mononuclear | |
| | Medulla | Pheochromocytoma Benign | |
| Bone Marrow | | Leukemia Mononuclear | |
| Brain | | | |
| Note: BEST SECTION | | | |
| Eye | Sclera | Metaplasia | Osseous, Multifocal, Mild |
| Heart | | Cardiomyopathy | Multifocal, Mild |
| Islets, Pancreatic | | Carcinoma | |
| Note: CARCINOMA TGLs = 4-8 | | | |
| Kidney | | Nephropathy | Chronic, Multifocal, Mild |
| Liver | | Hyperplasia | Multifocal, Mild |
| | | Leukemia Mononuclear | |
| Note: HYPERPLASIA TGLs = 5-1 | | | |
| Lung | | Leukemia Mononuclear | |
| Lymph Node | Mandibular | Hyperplasia | Lymphoid, Mild |
| Nose | Nasolacrim Dct | Inflammation | Chronic, Minimal |
| Pituitary Gland | Pars Distalis | Cyst | Mild |
| Preputial Gland | | Inflammation | Chronic Active, Multifocal, Mild |
| Seminal Vesicle | | Atrophy | Diffuse, Marked |
| Spleen | | Fibrosis | Focal, Mild |
| | | Leukemia Mononuclear | |
| Note: LEUKEMIA MONUC TGLs = 1-3 | | | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014
Time Report Requested: 14:14:35
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 147

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 100 PPM HIGH M

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Note: FIBROSIS TGLs = 3-3

Testes

Interstit Cell

Adenoma

Multiple

Note: ADENOMA TGLs = 2-5

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014
Time Report Requested: 14:14:35
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 148

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 100 PPM HIGH M

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

| | | | |
|---------------------------------|-------------------|-------------------------|------------------------------|
| Adrenal Gland | Medulla | Pheochromocytoma Benign | |
| Eye | Sclera | Metaplasia | Osseous, Multifocal, Mild |
| Heart | | Cardiomyopathy | Multifocal, Minimal |
| Kidney | | Nephropathy | Chronic, Multifocal, Mild |
| Liver | | Focal Cellular Change | |
| | Bile Duct | Hyperplasia | Multifocal, Mild |
| Mesentery | Fat | Necrosis | Moderate |
| Note: NECROSIS TGLs = 1-12 | | | |
| Preputial Gland | | Inflammation | Chronic, Multifocal, Minimal |
| Seminal Vesicle | | Atrophy | Diffuse, Moderate |
| Testes | Interstitial Cell | Adenoma | Multiple |
| Note: ADENOMA TGLs = 2,3-5 | | | |
| Thyroid Gland | C Cell | Hyperplasia | Focal, Mild |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014
Time Report Requested: 14:14:35
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 149

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 100 PPM HIGH M

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

| | | | |
|-----------------|----------------|-----------------------|------------------------------|
| Bone Marrow | | Hyperplasia | Mild |
| Eye | Sclera | Metaplasia | Osseous, Multifocal, Minimal |
| Heart | | Cardiomyopathy | Multifocal, Mild |
| Kidney | | Nephropathy | Chronic, Multifocal, Minimal |
| Liver | | Focal Cellular Change | |
| | Bile Duct | Hyperplasia | Multifocal, Mild |
| | | Necrosis | Acute, Multifocal, Mild |
| Mammary Gland | Duct | Ectasia | Mild |
| Preputial Gland | | Carcinoma | |
| | | Inflammation | Chronic, Multifocal, Minimal |
| Note: CARCINOMA | TGLs = 1-8 | | |
| Seminal Vesicle | | Atrophy | Diffuse, Moderate |
| Testes | Interstit Cell | Adenoma | Multiple |
| Note: ADENOMA | TGLs = 2-5 | | |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014

Time Report Requested: 14:14:35

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 150

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 100 PPM HIGH M

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

| | | | |
|--|----------------|-------------------------|-------------------------------------|
| Adrenal Gland | Medulla | Pheochromocytoma Benign | |
| Bone Marrow | | Leukemia Mononuclear | |
| Eye | Sclera | Metaplasia | Osseous, Multifocal, Mild |
| Heart | | Cardiomyopathy | Multifocal, Mild |
| Kidney | | Nephropathy | Chronic, Multifocal, Mild |
| Liver | | Fatty Change | Mild |
| | Bile Duct | Focal Cellular Change | |
| | | Hyperplasia | Multifocal, Moderate |
| | | Leukemia Mononuclear | |
| Note: LEUKEMIA MONUC TGLs = 4-3 | | | |
| Note: FATTY CHANGE TGLs = 4-3 | | | |
| Lung | | Leukemia Mononuclear | |
| Pancreas | Acinus | Atrophy | Diffuse, Mild |
| Pituitary Gland | Pars Distalis | Adenoma | |
| Note: MARGINALLY ADEQUATE SECTION FOR THE DIAG. OF ADENOMA | | | |
| Preputial Gland | | Inflammation | Chronic Active, Multifocal, Minimal |
| Seminal Vesicle | | Atrophy | Diffuse, Mild |
| Spleen | | Leukemia Mononuclear | |
| Note: LEUKEMIA MONUC TGLs = 3-3 | | | |
| Testes | Interstit Cell | Adenoma | Multiple |
| | | Atrophy | Focal, Mild |
| | Interstit Cell | Hyperplasia | Multifocal, Mild |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014
Time Report Requested: 14:14:35
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 150

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 100 PPM HIGH M

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Note: ATROPHY TGLs = 2-5
Note: ADENOMA TGLs = 1-5
Note: HYPERPLASIA TGLs = 2-5

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014
Time Report Requested: 14:14:35
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 151

TRT#: 5

SEX: Female

DAY ON TEST: 541

DOSE: VEHICLE CONTROL

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

| | | | |
|--|----------------|-----------------------|---------------------------------|
| Brain | Hypothalamus | Compression | Mild |
| Note: DAMAGED AT NECROPSY. BEST SECTION. | | | |
| Heart | | Cardiomyopathy | Multifocal, Mild |
| Kidney | | Nephropathy | Chronic, Multifocal, Mild |
| Liver | | Focal Cellular Change | |
| | | Inflammation | Chronic, Multifocal, Minimal |
| Lung | Alveolar Epith | Hyperplasia | Focal, Mild |
| | | Infiltration Cellular | Histiocyte, Multifocal, Minimal |
| Lymph Node | Mesenteric | Infiltration Cellular | Histiocyte, Mild |
| Mammary Gland | Duct | Ectasia | Mild |
| Pituitary Gland | Pars Distalis | Adenoma | |
| Note: ADENOMA | TGLs = 2-1 | | |
| Skin | Subcut Tiss | Fibrosarcoma | |
| Note: FIBROSARC | TGLs = 1-5 | | |
| Uterus | Endometrium | Polyp Stromal | |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014

Time Report Requested: 14:14:35

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 152

TRT#: 5

SEX: Female

DAY ON TEST: 478

DOSE: VEHICLE CONTROL

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|-------------------------|---------------------------|--------------------------|----------------------------|
| Adrenal Gland - Cortex | Adrenal Gland - Medulla | Bone | Brain |
| Clitoral Gland | Esophagus | Eye | Heart |
| Intestine Large - Cecum | Intestine Large - Colon | Intestine Large - Rectum | Intestine Small - Duodenum |
| Intestine Small - Ileum | Intestine Small - Jejunum | Islets, Pancreatic | Kidney |
| Larynx | Lung | Lymph Node - Mandibular | Lymph Node - Mesenteric |
| Mammary Gland | Nose | Ovary | Pancreas |
| Parathyroid Gland | Salivary Glands | Skin | Spinal Cord |
| Spleen | Stomach - Glandular | Trachea | Urinary Bladder |

MISSING

Thymus

OBSERVATIONS

| | | | |
|---|---------------|-----------------|-------------------------------------|
| Bone Marrow | | Hyperplasia | Mild |
| Liver | | Fatty Change | Mild |
| Pituitary Gland | Pars Distalis | Hyperplasia | Focal, Minimal |
| Stomach | Forestomach | Hyperplasia | Squamous, Diffuse, Mild |
| | Forestomach | Ulcer | Multiple, Moderate |
| Note: ULCER TGLs = 3-8 | | | |
| Note: HYPERPLASIA TGLs = 3-8 | | | |
| Thyroid Gland | C Cell | Hyperplasia | Focal, Mild |
| Urin Bladder | | | |
| Note: NCL-2 | | | |
| Uterus | Endometrium | Dilatation | Moderate |
| | | Sarcoma Stromal | |
| Note: ACTUALLY INVOLVES THE WALL OF THE VAGINA AND UTERUS | | | |
| Note: THE MASS DESCRIBED FOR THE UTERUS AND AND URINARY BLADDER | | | |
| Note: DILATATION TGLs = 1-5 | | | |
| Vagina | | Sarcoma | Metastatic (Uncertain Primary Site) |

PRIMARY CAUSE OF DEATH -

Animal Note: INVOLVES THE WALL OF THE VAGINA

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014

Time Report Requested: 14:14:35

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 152

TRT#: 5

SEX: Female

DAY ON TEST: 478

DOSE: VEHICLE CONTROL

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Animal Note: THE MASS DESCRIBED FOR THE UTERUS & URIN. BLADDE. ACTUALLY

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014
Time Report Requested: 14:14:35
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 153

TRT#: 5

SEX: Female

DAY ON TEST: 694

DOSE: VEHICLE CONTROL

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|----------------------------|-------------------------|---------------------------|--------------------------|
| Adrenal Gland - Medulla | Bone Marrow | Brain | Eye |
| Heart | Intestine Large - Cecum | Intestine Large - Colon | Intestine Large - Rectum |
| Intestine Small - Duodenum | Intestine Small - Ileum | Intestine Small - Jejunum | Islets, Pancreatic |
| Larynx | Lymph Node - Mandibular | Ovary | Pancreas |
| Parathyroid Gland | Pituitary Gland | Salivary Glands | Skin |
| Spinal Cord | Spleen | Stomach - Forestomach | Stomach - Glandular |
| Thymus | Trachea | Urinary Bladder | |

OBSERVATIONS

| | | | |
|--|------------|------------------------|-------------------------------------|
| Adrenal Gland | Cortex | Degeneration | Multifocal, Mild |
| Bone | | Hyperostosis | Moderate |
| Clitoral Gland | | Inflammation | Chronic, Focal, Minimal |
| Esophagus | | Osteosarcoma | Metastatic (Uncertain Primary Site) |
| Note: OSTEOSARC TGLs = 5-12 Note: UNCERTAIN IF THE ESOPHAGUS WAS TRUELY THE SITE OF ORIGIN Note: FOR THE OSTEOGENIC SARCOMA. | | | |
| Intest Large | | | |
| Note: NCL-3 | | | |
| Intest Small | | | |
| Note: NCL-3 | | | |
| Kidney | | Nephropathy | Chronic, Multifocal, Minimal |
| Note: BEST SECTION | | | |
| Liver | | Fatty Change | Marked |
| Note: FATTY CHANGE TGLs = 4-3 | | | |
| Lung | | Infiltration Cellular | Histiocyte, Multifocal, Minimal |
| | Pleura | Inflammation | Chronic, Focal, Minimal |
| Lymph Node | Mesenteric | Infiltration Cellular | Histiocyte, Mild |
| Mammary Gland | Duct | Ectasia | Mild |
| | | Fibroadenoma | |
| Note: FIBROADENOMA TGLs = 1-13 | | | |
| Nose | Mucosa | Cytoplasmic Alteration | Multifocal, Minimal |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014
Time Report Requested: 14:14:35
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 153

TRT#: 5

SEX: Female

DAY ON TEST: 694

DOSE: VEHICLE CONTROL

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

| | | | |
|------------------------|-------------|-------------|---------------------|
| Spleen | | | |
| Note: NCL-2 | | | |
| Stomach | | | |
| Note: NCL-3 | | | |
| Note: NCL-3 | | | |
| Thyroid Gland | C Cell | Hyperplasia | Multifocal, Minimal |
| Uterus | Endometrium | Cyst | Multiple, Minimal |
| PRIMARY CAUSE OF DEATH | - | | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014
Time Report Requested: 14:14:35
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 154

TRT#: 5

SEX: Female

DAY ON TEST: 655

DOSE: VEHICLE CONTROL

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|-------------------------|-------------------------|--------------------------|----------------------------|
| Bone | Clitoral Gland | Esophagus | Eye |
| Intestine Large - Cecum | Intestine Large - Colon | Intestine Large - Rectum | Intestine Small - Duodenum |
| Islets, Pancreatic | Larynx | Mammary Gland | Pancreas |
| Parathyroid Gland | Salivary Glands | Skin | Stomach - Forestomach |
| Stomach - Glandular | Thymus | Thyroid Gland | Trachea |
| Urinary Bladder | Uterus | | |

AUTO PRECLUDES DIAG.

| | |
|-------------------------|---------------------------|
| Intestine Small - Ileum | Intestine Small - Jejunum |
|-------------------------|---------------------------|

OBSERVATIONS

| | | | |
|----------------------|------------|-----------------------|-------------------------------|
| Adrenal Gland | Cortex | Leukemia Mononuclear | |
| | Medulla | Leukemia Mononuclear | |
| Bone Marrow | | Leukemia Mononuclear | |
| Brain | | Leukemia Mononuclear | |
| Heart | | Leukemia Mononuclear | |
| Kidney | | Leukemia Mononuclear | |
| | | Nephropathy | Chronic, Multifocal, Minimal |
| Liver | | Focal Cellular Change | |
| | | Leukemia Mononuclear | |
| Lung | | Leukemia Mononuclear | |
| Lymph Node | Mandibular | Leukemia Mononuclear | |
| | Mesenteric | Leukemia Mononuclear | |
| Nose | | Fungus | |
| | Mucosa | Inflammation | Subacute, Multifocal, Minimal |
| Ovary | | Cyst | |
| | | Leukemia Mononuclear | |
| Note: CYST | TGLs = 2-5 | | |
| Pituitary Gland | | Leukemia Mononuclear | |
| Note: LEUKEMIA MONUC | TGLs = 1-1 | | |
| Spinal Cord | | Leukemia Mononuclear | |
| Spleen | | Leukemia Mononuclear | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014
Time Report Requested: 14:14:35
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 154

TRT#: 5

SEX: Female

DAY ON TEST: 655

DOSE: VEHICLE CONTROL

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014

Time Report Requested: 14:14:35

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 155

TRT#: 5

SEX: Female

DAY ON TEST: 731

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

| | | | |
|---|---------------|----------------------------|-------------------------------|
| Adrenal Gland | Cortex | Degeneration | Focal, Mild |
| Eye | Retina | Atrophy | Minimal |
| | Sclera | Metaplasia | Osseous, Multifocal, Minimal |
| Heart | | Cardiomyopathy | Multifocal, Minimal |
| Kidney | | Nephropathy | Chronic, Multifocal, Moderate |
| Liver | | Focal Cellular Change | |
| | | Hepatodiaphragmatic Nodule | |
| | | Inflammation | Chronic, Multifocal, Mild |
| Note: ANOM HEPAT LOB TGLs = 2,3-3 | | | |
| Note: MASSES IN THE LIVER WERE RELATED TO DIAPHR. OUTPOUCHING | | | |
| Lymph Node | Mesenteric | Infiltration Cellular | Histiocyte, Mild |
| Nose | Mucosa | Cytoplasmic Alteration | Multifocal, Minimal |
| Pituitary Gland | Pars Distalis | Adenoma | |
| [Adenoma TGLS = 4-1] | | | |
| Uterus | Endometrium | Polyp Stromal | |
| Note: POLYP STROMAL TGLs = 1-5 | | | |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014
Time Report Requested: 14:14:35
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 156

TRT#: 5

SEX: Female

DAY ON TEST: 719

DOSE: VEHICLE CONTROL

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

| | | | |
|--------------------------------|---------------|-----------------------|------------------------------|
| Bone Marrow | | Atrophy | Mild |
| Heart | | Cardiomyopathy | Multifocal, Minimal |
| Kidney | | Nephropathy | Chronic, Multifocal, Minimal |
| Liver | | Fatty Change | Moderate |
| | | Focal Cellular Change | |
| | | Inflammation | Chronic, Multifocal, Mild |
| Note: INFLAMMATION TGLs = 3-3 | | | |
| Note: FATTY CHANGE TGLs = 3-3 | | | |
| Mammary Gland | Duct | Ectasia | Mild |
| | | Fibroadenoma | |
| Note: FIBROADENOMA TGLs = 1-12 | | | |
| Nose | Mucosa | Inflammation | Subacute, Multifocal, Mild |
| Pituitary Gland | Pars Distalis | Adenoma | |
| [Adenoma TGLS = 4-1] | | | |
| Spleen | | | |
| Note: NCL - 2 | | | |

PRIMARY CAUSE OF DEATH -

Animal Note: COD PITUITARY ADENOMA

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014
Time Report Requested: 14:14:35
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 157

TRT#: 5

SEX: Female

DAY ON TEST: 731

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

| | | | |
|--------------------------------|---------------|------------------------|---------------------------------|
| Adrenal Gland | Cortex | Hyperplasia | Focal, Minimal |
| Bone | | Hyperostosis | Mild |
| Eye | Sclera | Metaplasia | Osseous, Focal, Mild |
| Heart | | Cardiomyopathy | Multifocal, Minimal |
| Kidney | | Nephropathy | Chronic, Multifocal, Mild |
| Liver | | Focal Cellular Change | |
| | Bile Duct | Hyperplasia | Multifocal, Mild |
| | | Inflammation | Chronic, Multifocal, Mild |
| Lung | | Infiltration Cellular | Histiocyte, Multifocal, Minimal |
| Mammary Gland | Duct | Ectasia | Mild |
| | | Fibroadenoma | |
| | Acinus | Hyperplasia | Focal, Mild |
| Note: FIBROADENOMA TGLs = 1-12 | | | |
| Nose | Mucosa | Cytoplasmic Alteration | Multifocal, Minimal |
| Pituitary Gland | Pars Distalis | Adenoma | |
| [Adenoma TGLS = 2-1] | | | |
| Skin | | | |
| Note: SKIN FOUND IN RETRIM. 12 | | | |
| Spinal Cord | | Cyst | Mild |
| Spleen | Lymph Follic | Hyperplasia | Focal, Moderate |
| Thyroid Gland | C Cell | Adenoma | |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014
Time Report Requested: 14:14:35
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 158

TRT#: 5

SEX: Female

DAY ON TEST: 731

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

| | |
|----------------|-------------------------|
| Clitoral Gland | Lymph Node - Mesenteric |
|----------------|-------------------------|

OBSERVATIONS

| | | | |
|-----------------|----------------|-------------------------|------------------------------|
| Adrenal Gland | Cortex | Hyperplasia | Focal, Minimal |
| | Medulla | Hyperplasia | Focal, Moderate |
| | Medulla | Pheochromocytoma Benign | |
| Eye | Retina | Atrophy | Minimal |
| | Sclera | Metaplasia | Osseous, Focal, Minimal |
| Heart | | Cardiomyopathy | Multifocal, Minimal |
| Kidney | | Nephropathy | Chronic, Multifocal, Minimal |
| Liver | | Focal Cellular Change | |
| Nose | Mucosa | Cytoplasmic Alteration | Multifocal, Minimal |
| | Nasolacrim Dct | Inflammation | Chronic Active, Mild |
| Ovary | | Cyst | |
| Note: CYST | | | |
| | | | |
| Pituitary Gland | Pars Distalis | Adenoma | |
| Thyroid Gland | C Cell | Hyperplasia | Focal, Mild |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014
Time Report Requested: 14:14:35
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 159

TRT#: 5

SEX: Female

DAY ON TEST: 731

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Parathyroid Gland

OBSERVATIONS

| | | | |
|------------------------|----------------|------------------------|---------------------------------|
| Heart | | Cardiomyopathy | Multifocal, Minimal |
| Kidney | | Nephropathy | Chronic, Multifocal, Mild |
| Note: NEPHROPATHY | TGLs = 3-4 | | |
| Liver | | Focal Cellular Change | |
| | | Inflammation | Chronic, Multifocal, Minimal |
| Lung | | Infiltration Cellular | Histiocyte, Multifocal, Minimal |
| Lymph Node | | Inflammation | Chronic, Mild |
| Note: INFLAMMATION | TGLs = 2-8 | | |
| Nose | Mucosa | Cytoplasmic Alteration | Multifocal, Minimal |
| Pituitary Gland | Pars Distalis | Adenoma | |
| [Adenoma TGLS = 4-1] | | | |
| Skin | Subcut Tiss | Fibroma | |
| Note: FIBROMA | TGLs = 5-12 | | |
| Thyroid Gland | C Cell | Hyperplasia | Diffuse, Minimal |
| Uterus | Cervix | Cyst | Mild |
| Note: CYST | TGLs = 1-5,5.1 | | |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014
Time Report Requested: 14:14:35
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 160

TRT#: 5

SEX: Female

DAY ON TEST: 731

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

| | | | |
|---------------------------------------|---------------|------------------------|---------------------------------|
| Adrenal Gland | Cortex | Hyperplasia | Focal, Minimal |
| Clitoral Gland | | Hyperplasia | Focal, Moderate |
| | | Inflammation | Chronic, Multifocal, Mild |
| Eye | Retina | Atrophy | Minimal |
| Note: ATROPHY OF RETINA IS UNILATERAL | | | |
| Heart | | Cardiomyopathy | Multifocal, Minimal |
| Kidney | | Nephropathy | Chronic, Multifocal, Minimal |
| Liver | | Focal Cellular Change | |
| | | Inflammation | Chronic, Multifocal, Mild |
| Lung | | Infiltration Cellular | Histiocyte, Multifocal, Minimal |
| Lymph Node | Mandibular | Hyperplasia | Lymphoid, Mild |
| Mammary Gland | | Fibroadenoma | |
| Nose | Mucosa | Cytoplasmic Alteration | Multifocal, Minimal |
| | Mucosa | Inflammation | Chronic, Multifocal, Minimal |
| Pancreas | Acinus | Atrophy | Diffuse, Moderate |
| Pituitary Gland | Pars Distalis | Angiectasis | Focal, Minimal |
| Note: ANGIECTASIS TGLs = 1-1 | | | |
| Thyroid Gland | C Cell | Hyperplasia | Multifocal, Mild |
| Uterus | Cervix | Inflammation | Chronic Active, Marked |
| | Cervix | Metaplasia | Squamous, Moderate |
| Note: INFLAMMATION TGLs = 2-5 | | | |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014
Time Report Requested: 14:14:35
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 161

TRT#: 5

SEX: Female

DAY ON TEST: 731

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

| | | | |
|------------------------|---------------|----------------------------|---------------------------------|
| Adrenal Gland | Cortex | Degeneration | Focal, Minimal |
| Clitoral Gland | | Hyperplasia | Focal, Minimal |
| Eye | Retina | Atrophy | Marked |
| | Lens | Cataract | Marked |
| Note: CATARACT | TGLs = 2-12 | | |
| Kidney | | Nephropathy | Chronic, Multifocal, Mild |
| Liver | | Focal Cellular Change | |
| | | Hepatodiaphragmatic Nodule | |
| | Bile Duct | Hyperplasia | Multifocal, Minimal |
| | | Inflammation | Chronic, Multifocal, Minimal |
| Note: ANOM HEPAT LOB | TGLs = 1-3 | | |
| Lung | | Infiltration Cellular | Histiocyte, Multifocal, Minimal |
| Lymph Node | Mesenteric | Infiltration Cellular | Histiocyte, Mild |
| Mammary Gland | Duct | Ectasia | Mild |
| Nose | Mucosa | Cytoplasmic Alteration | Multifocal, Minimal |
| Pancreas | Acinus | Atrophy | Multifocal, Mild |
| Pituitary Gland | Pars Distalis | Adenoma | |
| [Adenoma TGLS = 3-1] | | | |
| Thyroid Gland | C Cell | Hyperplasia | Multifocal, Minimal |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014

Time Report Requested: 14:14:35

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 162

TRT#: 5

SEX: Female

DAY ON TEST: 731

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

| | | | |
|--|----------------|-----------------------|---------------------------------|
| Bone Marrow | | Hyperplasia | Mild |
| Eye | Retina | Atrophy | Mild |
| | Sclera | Metaplasia | Osseous, Multifocal, Minimal |
| Note: IT REPRESENTS THE RETINA ADJACENT TO THE IRIS. | | | |
| Note: THIS A RESULT OF AN UNUSUAL CUT. | | | |
| Note: THE RETINA APPEARS ATROPHIED UNILATERALLY BUT I CONSIDER | | | |
| Kidney | | Nephropathy | Chronic, Multifocal, Minimal |
| Liver | | Focal Cellular Change | |
| | Bile Duct | Hyperplasia | Multifocal, Mild |
| | | Hyperplasia | Multifocal, Marked |
| | | Inflammation | Chronic, Multifocal, Mild |
| Note: FOCAL CELL CH TGLs = 2-3 | | | |
| Note: HYPERPLASIA TGLs = 2-3 | | | |
| Lung | | Infiltration Cellular | Histiocyte, Multifocal, Minimal |
| Mammary Gland | Duct | Ectasia | Mild |
| Nose | Nasolacrim Dct | Inflammation | Chronic Active, Mild |
| Pancreas | Acinus | Focal Cellular Change | Mild |
| Spleen | | Infarct | Minimal |
| Thyroid Gland | C Cell | Hyperplasia | Multifocal, Mild |
| Uterus | Endometrium | Polyp Stromal | |
| Note: POLYP STROMAL TGLs = 1-5 | | | |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014
Time Report Requested: 14:14:35
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 163

TRT#: 5

SEX: Female

DAY ON TEST: 731

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|-------------------------|---------------------------|--------------------------|----------------------------|
| Adrenal Gland - Cortex | Bone | Brain | Esophagus |
| Intestine Large - Cecum | Intestine Large - Colon | Intestine Large - Rectum | Intestine Small - Duodenum |
| Intestine Small - Ileum | Intestine Small - Jejunum | Islets, Pancreatic | Kidney |
| Larynx | Lymph Node - Mandibular | Ovary | Parathyroid Gland |
| Salivary Glands | Skin | Spinal Cord | Stomach - Forestomach |
| Stomach - Glandular | Thymus | Thyroid Gland | Trachea |
| Urinary Bladder | | | |

OBSERVATIONS

| | | | |
|---|---------------|----------------------------------|---------------------------------|
| Adrenal Gland | Medulla | Hyperplasia | Multifocal, Marked |
| Bone Marrow | | Hyperplasia | Mild |
| Clitoral Gland | | Inflammation | Chronic, Multifocal, Mild |
| Eye | Sclera | Metaplasia | Osseous, Focal, Minimal |
| Heart | | Cardiomyopathy | Multifocal, Mild |
| Liver | Bile Duct | Hyperplasia | Multifocal, Minimal |
| | | Inflammation | Chronic, Multifocal, Marked |
| <p>Note: (4) HAS AN UNUSUAL LESION DIAG. AS CHRONIC INFLAMM.</p> <p>Note: INFLAMMATION TGLs = 4-3</p> <p>Note: LYMPHOCYTE PROLIFERATION AND HISTOCY. IS EXTENSIVE</p> | | | |
| Lung | | Infiltration Cellular | Histiocyte, Multifocal, Minimal |
| Lymph Node | Mesenteric | Hemorrhage | Mild |
| | Mesenteric | Infiltration Cellular | Histiocyte, Mild |
| Mammary Gland | Duct | Ectasia | Mild |
| | | Fibroadenoma | |
| <p>Note: FIBROADENOMA TGLs = 1-11</p> | | | |
| Nose | Mucosa | Cytoplasmic Alteration | Multifocal, Minimal |
| Pancreas | Acinus | Atrophy | Multifocal, Mild |
| Pituitary Gland | Pars Distalis | Adenoma | |
| | Pars Distalis | Cyst | Mild |
| <p>[Adenoma TGLS = 5-1]</p> | | | |
| Spleen | | Hematopoietic Cell Proliferation | Mild |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014
Time Report Requested: 14:14:35
First Dose M/F: NA / NA
Lab: MBA

| | | | |
|-----------------------|------------------------------|---------------------------------|-------------------------|
| ANIMAL ID: 163 | TRT#: 5 | SEX: Female | DAY ON TEST: 731 |
| | DOSE: VEHICLE CONTROL | DISP: Terminal Sacrifice | HISTO: |

ORGAN AND ACCOUNTABLE SITE STATUS

| | | |
|---------------------------------|-------------|---------------|
| Note: HEMA CELL PROL TGLs = 3-3 | | |
| Uterus | Endometrium | Polyp Stromal |
| Note: POLYP STROMAL TGLs = 2-5 | | |

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

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014

Time Report Requested: 14:14:35

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 164

TRT#: 5

SEX: Female

DAY ON TEST: 731

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|---------------------------|--------------------------|----------------------------|-------------------------|
| Adrenal Gland - Cortex | Adrenal Gland - Medulla | Bone | Brain |
| Esophagus | Eye | Heart | Intestine Large - Cecum |
| Intestine Large - Colon | Intestine Large - Rectum | Intestine Small - Duodenum | Intestine Small - Ileum |
| Intestine Small - Jejunum | Islets, Pancreatic | Larynx | Lung |
| Lymph Node - Mandibular | Nose | Pancreas | Parathyroid Gland |
| Salivary Glands | Spinal Cord | Stomach - Forestomach | Stomach - Glandular |
| Thymus | Trachea | Urinary Bladder | |

MISSING

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

OBSERVATIONS

| | | | |
|-------------------------------|---------------|-----------------------|---------------------------|
| Bone Marrow | | Hyperplasia | Mild |
| Kidney | | Nephropathy | Chronic, Multifocal, Mild |
| Liver | | Focal Cellular Change | |
| | | Inflammation | Chronic, Multifocal, Mild |
| Mesentery | Fat | Necrosis | Marked |
| Note: NECROSIS TGLs = 1-12 | | | |
| Ovary | | Cyst | Mild |
| Pituitary Gland | Pars Distalis | Adenoma | |
| Skin | | Inflammation | Chronic, Moderate |
| Note: INFLAMMATION TGLs = 3-5 | | | |
| Spleen | Lymph Follic | Hyperplasia | Focal, Marked |
| Thyroid Gland | Follicle | Cyst | Mild |
| Uterus | Cervix | Cyst | Marked |
| Note: CYST TGLs = 2-13 | | | |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014
Time Report Requested: 14:14:35
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 165

TRT#: 5

SEX: Female

DAY ON TEST: 547

DOSE: VEHICLE CONTROL

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

| | | | |
|--------------------------------|---------------|----------------|------------------------------|
| Brain | Hypothalamus | Compression | Marked |
| Liver | | Fatty Change | Moderate |
| | | Inflammation | Chronic, Multifocal, Minimal |
| Mammary Gland | | Adenocarcinoma | |
| Note: ADENOCARC TGLs = 1-5 | | | |
| Pituitary Gland | Pars Distalis | Adenoma | |
| Note: ADENOMA TGLs = 2-1 | | | |
| Stomach | Forestomach | Hyperplasia | Squamous, Diffuse, Mild |
| | Forestomach | Inflammation | Acute, Mild |
| Uterus | Endometrium | Polyp Stromal | |
| Note: POLYP STROMAL TGLs = 3-5 | | | |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014

Time Report Requested: 14:14:35

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 166

TRT#: 5

SEX: Female

DAY ON TEST: 666

DOSE: VEHICLE CONTROL

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Clitoral Gland

OBSERVATIONS

| | | | |
|--|---------------|------------------------|---------------------------------|
| Adrenal Gland | Cortex | Fibrosis | Focal, Mild |
| | Cortex | Hyperplasia | Multifocal, Moderate |
| Eye | Retina | Atrophy | Minimal |
| | Sclera | Metaplasia | Osseous, Focal, Minimal |
| Kidney | Pelvis | Mineralization | Multifocal, Minimal |
| Liver | | Focal Cellular Change | |
| Note: ONE OF THE BASOPHILIC FOCI IS MINIMALLY COMPRESSING. | | | |
| Lung | | Infiltration Cellular | Histiocyte, Multifocal, Minimal |
| Lymph Node | Mesenteric | Infiltration Cellular | Histiocyte, Mild |
| Mammary Gland | | Fibroadenoma | Multiple |
| Note: FIBROADENOMA TGLs = 2,3-13 | | | |
| Nose | Mucosa | Cytoplasmic Alteration | Multifocal, Minimal |
| Pancreas | | Metaplasia | Focal, Minimal |
| Note: (6) PANCREAS-METAPLASIA HEPATOCYTIC IS PRESENT IN PANCREAS | | | |
| Pituitary Gland | Pars Distalis | Cyst | Mild |
| | Pars Distalis | Hyperplasia | Focal, Marked |
| Skin | Subcut Tiss | Fibroma | |
| Note: FIBROMA TGLs = 1-12 | | | |
| Note: NOTE TGL 1-12 WAS A FIBROMA OF THE SUBCUTIS | | | |
| Note: RATHER THAN A LESION OF THE MAMMARY GLAND | | | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014

Time Report Requested: 14:14:35

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 166

TRT#: 5

SEX: Female

DAY ON TEST: 666

DOSE: VEHICLE CONTROL

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Note: AS WAS STATED BY THE NECROPSY TECHNICIAN.

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014
Time Report Requested: 14:14:35
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 167

TRT#: 5

SEX: Female

DAY ON TEST: 731

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Clitoral Gland

OBSERVATIONS

| | | | |
|--|--|---|-------------------------------------|
| Adrenal Gland Note: NCL - 3 | Cortex | Degeneration | Focal, Minimal |
| Heart Liver | | Cardiomyopathy Focal Cellular Change | Multifocal, Minimal |
| Mammary Gland Note: FIBROADENOMA TGLs = 1-13 | Duct | Ectasia Fibroadenoma | Mild |
| Mesentery Note: NECROSIS TGLs = 2-12 | Fat | Necrosis | Moderate |
| Nose Pituitary Gland Note: ADENOMA TGLs = 4-1 [Cyst TGLS = 4-1] | Mucosa Pars Distalis Pars Distalis | Cytoplasmic Alteration Adenoma Cyst | Multifocal, Minimal Moderate |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014
Time Report Requested: 14:14:35
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 168

TRT#: 5

SEX: Female

DAY ON TEST: 731

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Clitoral Gland

OBSERVATIONS

| | | | |
|-----------------------------|---------------|------------------------|------------------------------|
| Adrenal Gland | Cortex | Hyperplasia | Focal, Mild |
| Eye | Sclera | Metaplasia | Osseous, Focal, Minimal |
| Liver | Bile Duct | Focal Cellular Change | |
| | | Hyperplasia | Multifocal, Mild |
| | | Inflammation | Chronic, Multifocal, Minimal |
| Mammary Gland | | Adenocarcinoma | |
| | Duct | Ectasia | Mild |
| Note: ADENOCARC TGLs = 1-12 | | | |
| Nose | Mucosa | Cytoplasmic Alteration | Multifocal, Minimal |
| Pancreas | Acinus | Atrophy | Multifocal, Mild |
| Pituitary Gland | Pars Distalis | Adenoma | |
| [Adenoma TGLS = 2-1] | | | |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014

Time Report Requested: 14:14:35

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 169

TRT#: 5

SEX: Female

DAY ON TEST: 719

DOSE: VEHICLE CONTROL

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

| | | | |
|--------------------|---------------|-----------------------|---------------------------------|
| Adrenal Gland | Cortex | Degeneration | Focal, Minimal |
| Brain | Hypothalamus | Compression | Moderate |
| | Cerebrum | Hydrocephalus | Mild |
| Heart | | Cardiomyopathy | Multifocal, Mild |
| Kidney | | Nephropathy | Chronic, Multifocal, Minimal |
| Liver | | Focal Cellular Change | |
| | | Granuloma | Mild |
| | | Inflammation | Chronic, Multifocal, Minimal |
| Lung | | Infiltration Cellular | Histiocyte, Multifocal, Minimal |
| Mammary Gland | Duct | Ectasia | Moderate |
| | | Fibroadenoma | |
| Note: FIBROADENOMA | TGLs = 1-12 | | |
| Mesentery | Fat | Necrosis | Moderate |
| Note: NECROSIS | TGLs = 3-13 | | |
| Ovary | | Cyst | |
| Pituitary Gland | Pars Distalis | Adenoma | |
| Note: ADENOMA | TGLs = 4-1 | | |
| Spleen | | | |
| Note: NCL-2 | | | |
| Thyroid Gland | C Cell | Adenoma | |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014
Time Report Requested: 14:14:35
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 170

TRT#: 5

SEX: Female

DAY ON TEST: 593

DOSE: VEHICLE CONTROL

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

| | | | |
|---------------------------------|---------------|-------------------------|--------------------|
| Heart | | Cardiomyopathy | Multifocal, Mild |
| | | Mineralization | Multifocal, Marked |
| Note: CARDIOMYOPATHY TGLs = 1-2 | | | |
| Note: MINERALIZATION TGLs = 1-2 | | | |
| Liver | | Fatty Change | Mild |
| | | Focal Cellular Change | |
| Mammary Gland | Duct | Ectasia | Mild |
| Pituitary Gland | Pars Distalis | Adenoma | |
| [Adenoma TGLS = 3-1] | | | |
| Spleen | | Pigmentation | Mild |
| Tongue | | Abscess | Moderate |
| | | Squamous Cell Papilloma | |
| Note: PAPILOMA SQUA TGLs = 2-12 | | | |
| Uterus | | | |
| Note: NCL-4 | | | |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014
Time Report Requested: 14:14:35
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 171

TRT#: 5

SEX: Female

DAY ON TEST: 731

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

| | | | |
|-----------------|---------------|------------------------|-------------------------|
| Clitoral Gland | | Ectasia | Mild |
| | | Hyperplasia | Mild |
| Note: ECTASIA | TGLs = 1-8 | | |
| Eye | Sclera | Metaplasia | Osseous, Focal, Minimal |
| Heart | | Cardiomyopathy | Multifocal, Minimal |
| Liver | | Focal Cellular Change | |
| | Bile Duct | Hyperplasia | Multifocal, Mild |
| Lymph Node | Mesenteric | Infiltration Cellular | Histiocyte, Mild |
| Mammary Gland | Duct | Ectasia | Mild |
| Nose | Mucosa | Cytoplasmic Alteration | Multifocal, Minimal |
| Pancreas | Acinus | Atrophy | Diffuse, Mild |
| Pituitary Gland | Pars Distalis | Adenoma | |
| | Pars Distalis | Cyst | Mild |
| Thyroid Gland | C Cell | Hyperplasia | Multifocal, Minimal |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014
Time Report Requested: 14:14:35
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 172

TRT#: 5

SEX: Female

DAY ON TEST: 731

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

| | | | |
|---------------------|---------------|----------------------------------|---------------------------------|
| Bone Marrow | | Hyperplasia | Moderate |
| Eye | Sclera | Metaplasia | Osseous, Multifocal, Minimal |
| Heart | | Cardiomyopathy | Multifocal, Mild |
| Liver | Bile Duct | Focal Cellular Change | |
| | | Hyperplasia | Multifocal, Mild |
| | | Inflammation | Chronic, Multifocal, Mild |
| Lung | | Infiltration Cellular | Histiocyte, Multifocal, Minimal |
| Mammary Gland | Duct | Ectasia | Moderate |
| | | Fibroadenoma | |
| Note: FIBROADENOMA | TGLs = 1-13 | | |
| Nose | Mucosa | Cytoplasmic Alteration | Multifocal, Minimal |
| Pancreas | Acinus | Atrophy | Focal, Minimal |
| | Acinus | Carcinoma | |
| Pituitary Gland | Pars Distalis | Adenoma | |
| | Pars Distalis | Cyst | Mild |
| Spleen | | Hematopoietic Cell Proliferation | Mild |
| | | Infarct | Mild |
| Stomach | Glandular | Erosion | Focal, Mild |
| Thyroid Gland | C Cell | Hyperplasia | Multifocal, Minimal |
| Uterus | Endometrium | Polyp Stromal | |
| Note: POLYP STROMAL | TGLs = 2-5 | | |
| Zymbal's Gland | | Carcinoma | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014
Time Report Requested: 14:14:35
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 172

TRT#: 5

SEX: Female

DAY ON TEST: 731

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Note: CARCINOMA TGLs = 3-12

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014
Time Report Requested: 14:14:35
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 173

TRT#: 5

SEX: Female

DAY ON TEST: 710

DOSE: VEHICLE CONTROL

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Thymus

OBSERVATIONS

| | | | |
|---|--------------|----------------------------|-------------------------|
| Adrenal Gland | Medulla | Hyperplasia | Multifocal, Marked |
| | Medulla | Leukemia Mononuclear | |
| Bone Marrow | | Hyperplasia | Mild |
| Eye | Retina | Atrophy | Mild |
| | Lens | Cataract | Moderate |
| | Sclera | Metaplasia | Osseous, Focal, Minimal |
| Note: THE CATARACT AND RETINAL ATROPHY ARE UNILATERAL | | | |
| Heart | | Cardiomyopathy | Multifocal, Minimal |
| | | Leukemia Mononuclear | |
| Kidney | Renal Tubule | Pigmentation | Mild |
| Liver | | Fatty Change | Moderate |
| | | Hepatodiaphragmatic Nodule | |
| | Bile Duct | Hyperplasia | Multifocal, Moderate |
| | | Leukemia Mononuclear | |
| Note: LEUKEMIA MONUC TGLs = 2-3 | | | |
| Note: FATTY CHANGE TGLs = 2-3 | | | |
| Note: ANOM HEPAT LOB TGLs = 3-3 | | | |
| Lung | | Leukemia Mononuclear | |
| Lymph Node | Mandibular | Leukemia Mononuclear | |
| Mammary Gland | Duct | Ectasia | Minimal |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014
Time Report Requested: 14:14:35
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 173

TRT#: 5
DOSE: VEHICLE CONTROL

SEX: Female
DISP: Moribund

DAY ON TEST: 710
HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

| | | | |
|---|---------------|-------------------------------------|---------------------|
| Nose | Mucosa | Cytoplasmic Alteration | Multifocal, Minimal |
| Pituitary Gland | Pars Distalis | Hyperplasia Leukemia Mononuclear | Focal, Mild |
| Note: LEUKEMIA MONUC TGLs = 4-1 [Hyperplasia TGLs = 4-1] | | | |
| Spleen | | Leukemia Mononuclear | |
| Note: LEUKEMIA MONUC TGLs = 1-3 | | | |
| Thyroid Gland | C Cell | Hyperplasia | Focal, Moderate |
| PRIMARY CAUSE OF DEATH | - | | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01
 Test Type: CHRONIC
 Route: DOSED FEED
 Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014
 Time Report Requested: 14:14:35
 First Dose M/F: NA / NA
 Lab: MBA

ANIMAL ID: 174 TRT#: 5 SEX: Female DAY ON TEST: 726
 DOSE: VEHICLE CONTROL DISP: Dead HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|---------------------------|-------------------------|--------------------------|-------------------------|
| Adrenal Gland - Cortex | Adrenal Gland - Medulla | Bone | Brain |
| Esophagus | Intestine Large - Cecum | Intestine Large - Rectum | Intestine Small - Ileum |
| Intestine Small - Jejunum | Islets, Pancreatic | Kidney | Larynx |
| Lung | Lymph Node - Mandibular | Ovary | Parathyroid Gland |
| Pituitary Gland | Salivary Glands | Skin | Spinal Cord |
| Stomach - Forestomach | Stomach - Glandular | Thymus | Thyroid Gland |
| Trachea | Urinary Bladder | Uterus | |

OBSERVATIONS

| | | | |
|---|--------------|------------------------|---------------------|
| Bone Marrow | | Hyperplasia | Mild |
| Clitoral Gland | | Adenoma | |
| Note: ADENOMA TGLs = 5-14 | | | |
| Eye | Lens | Cataract | Mild |
| Heart | | Cardiomyopathy | Multifocal, Mild |
| Intestine Large | Colon | Ulcer | Mild |
| Intestine Small | Duodenum | Ulcer | Chronic, Moderate |
| Note: ULCER TGLs = 2-10 | | | |
| Note: THE DUODENUM IN 15 IS PARTIALLY AUTO. THERE IS EVIDENCE | | | |
| Note: OF ULCER AND CHRONIC INFLAMMATION | | | |
| Liver | | Fatty Change | Mild |
| | | Focal Cellular Change | |
| | Bile Duct | Hyperplasia | Multifocal, Mild |
| Note: FATTY CHANGE TGLs = 3-3 | | | |
| Lymph Node | Mesenteric | Hyperplasia | Lymphoid, Mild |
| Mammary Gland | Duct | Ectasia | Minimal |
| | | Fibroadenoma | Multiple |
| Note: FIBROADENOMA TGLs = 1,4-12,13 | | | |
| Nose | Mucosa | Cytoplasmic Alteration | Multifocal, Minimal |
| Pancreas | Acinus | Atrophy | Focal, Minimal |
| Spleen | Lymph Follic | Atrophy | Moderate |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014

Time Report Requested: 14:14:35

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 174

TRT#: 5

SEX: Female

DAY ON TEST: 726

DOSE: VEHICLE CONTROL

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Animal Note: AUTOLYSIS PRECLUDES CRITICAL EVAL. OF CERTAIN TISSUES

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014

Time Report Requested: 14:14:35

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 175

TRT#: 5

SEX: Female

DAY ON TEST: 485

DOSE: VEHICLE CONTROL

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|----------------------------|---------------------------|-------------------------|--------------------------|
| Adrenal Gland - Medulla | Bone Marrow | Brain | Clitoral Gland |
| Esophagus | Eye | Intestine Large - Colon | Intestine Large - Rectum |
| Intestine Small - Duodenum | Intestine Small - Jejunum | Islets, Pancreatic | Larynx |
| Lymph Node - Mandibular | Lymph Node - Mesenteric | Mammary Gland | Nose |
| Ovary | Pancreas | Parathyroid Gland | Salivary Glands |
| Skin | Spinal Cord | Spleen | Stomach - Forestomach |
| Stomach - Glandular | Thymus | Thyroid Gland | Trachea |
| Uterus | | | |

AUTO PRECLUDES DIAG.

| | |
|-------------------------|-------------------------|
| Intestine Large - Cecum | Intestine Small - Ileum |
|-------------------------|-------------------------|

OBSERVATIONS

| | | | |
|--------------------|----------------|----------------|------------------|
| Adrenal Gland | Cortex | Necrosis | Multifocal, Mild |
| Bone | | Osteomalacia | Mild |
| Heart | | Mineralization | Multifocal, Mild |
| Kidney | Papilla | Necrosis | Marked |
| Liver | | Fatty Change | Minimal |
| Lung | | Congestion | Mild |
| Note: CONGESTION | TGLs = 2-7 | | |
| Pituitary Gland | Pars Distalis | Cyst | Mild |
| Urinary Bladder | Transit Epithe | Hyperplasia | Moderate |
| | | Inflammation | Subacute, Mild |
| Note: INFLAMMATION | TGLs = 1-4 | | |
| Note: HYPERPLASIA | TGLs = 1-4 | | |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014
Time Report Requested: 14:14:35
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 176

TRT#: 5

SEX: Female

DAY ON TEST: 660

DOSE: VEHICLE CONTROL

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

| | | | |
|-------------------------------------|----------------|------------------------|------------------------------|
| Adrenal Gland | Cortex | Leukemia Mononuclear | |
| Bone Marrow | | Leukemia Mononuclear | |
| Brain | | Leukemia Mononuclear | |
| [Leukemia Mononuclear TGLS = 3-1] | | | |
| Eye | Retina | Atrophy | Mild |
| | Sclera | Metaplasia | Osseous, Multifocal, Minimal |
| Heart | | Leukemia Mononuclear | |
| Kidney | | Nephropathy | Chronic, Multifocal, Minimal |
| Liver | | Fatty Change | Moderate |
| | Bile Duct | Hyperplasia | Multifocal, Moderate |
| | | Leukemia Mononuclear | |
| Note: LEUKEMIA MONUC | | | |
| TGLs = 2-3 | | | |
| Note: FATTY CHANGE | | | |
| TGLs = 2-3 | | | |
| Lung | Alveolar Epith | Hyperplasia | Focal, Marked |
| Lymph Node | Mesenteric | Leukemia Mononuclear | |
| Nose | Mucosa | Cytoplasmic Alteration | Multifocal, Minimal |
| | Mucosa | Inflammation | Acute, Multifocal, Mild |
| Pancreas | Acinus | Atrophy | Focal, Minimal |
| Spinal Cord | | Leukemia Mononuclear | |
| Spleen | | Leukemia Mononuclear | |
| Note: LEUKEMIA MONUC | | | |
| TGLs = 1-3 | | | |
| Stomach | Glandular | Erosion | Focal, Mild |
| | Forestomach | Hyperplasia | Squamous, Focal, Marked |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014
Time Report Requested: 14:14:35
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 176

TRT#: 5

SEX: Female

DAY ON TEST: 660

DOSE: VEHICLE CONTROL

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014
Time Report Requested: 14:14:35
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 177

TRT#: 5

SEX: Female

DAY ON TEST: 731

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|--------------------------|----------------------------|-------------------------|---------------------------|
| Adrenal Gland - Medulla | Bone | Bone Marrow | Brain |
| Esophagus | Eye | Intestine Large - Cecum | Intestine Large - Colon |
| Intestine Large - Rectum | Intestine Small - Duodenum | Intestine Small - Ileum | Intestine Small - Jejunum |
| Larynx | Lung | Lymph Node - Mandibular | Lymph Node - Mesenteric |
| Ovary | Pancreas | Parathyroid Gland | Salivary Glands |
| Skin | Spinal Cord | Spleen | Stomach - Forestomach |
| Stomach - Glandular | Thymus | Thyroid Gland | Trachea |
| Urinary Bladder | | | |

OBSERVATIONS

| | | | |
|--------------------|------------------------|------------------------|-----------------------|
| Adrenal Gland | Cortex | Hyperplasia | Multifocal, Mild |
| Clitoral Gland | | Inflammation | Acute, Focal, Minimal |
| Heart | | Cardiomyopathy | Multifocal, Mild |
| Islets, Pancreatic | | Carcinoma | |
| Kidney | Renal Tubule | Pigmentation | Minimal |
| Liver | | Focal Cellular Change | |
| | Bile Duct | Hyperplasia | Multifocal, Minimal |
| Mammary Gland | Duct | Ectasia | Mild |
| | | Fibroadenoma | Multiple |
| Note: FIBROADENOMA | TGLs = 1,2-12,13 | | |
| Note: FIBROADENOMA | TGLs = 1,2-13,12 | | |
| Nose | Mucosa | Cytoplasmic Alteration | Multifocal, Mild |
| Pituitary Gland | Pars Distalis | Adenoma | |
| | [Adenoma TGLS = 4-1] | | |
| Uterus | Lumen | Hemorrhage | Moderate |
| Note: HEMORRHAGE | TGLs = 3-5 | | |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014
Time Report Requested: 14:14:35
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 178

TRT#: 5

SEX: Female

DAY ON TEST: 701

DOSE: VEHICLE CONTROL

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

| | | | |
|---|---------------|-------------------------|------------------------------|
| Brain | | | |
| Note: BADLY DAMAGED AT NECROPSY | | | |
| Kidney | | Nephropathy | Chronic, Multifocal, Minimal |
| Liver | | Fatty Change | Mild |
| | | Focal Cellular Change | |
| | Bile Duct | Hyperplasia | Multifocal, Mild |
| | | Inflammation | Chronic, Multifocal, Minimal |
| Note: FATTY CHANGE TGLs = 4-3 | | | |
| Lung | | | |
| Note: NCL-5 | | | |
| Mammary Gland | | Fibroadenoma | |
| Note: FIBROADENOMA TGLs = 2-13 | | | |
| Pancreas | Acinus | Atrophy | Focal, Mild |
| Pituitary Gland | Pars Distalis | Angiectasis | Focal, Mild |
| Skin | | Squamous Cell Papilloma | |
| Note: [PAPILLOMA SQUA] TGLs = 1-12 | | | |
| Note: SQUAMOUS PAPILLOMA | | | |
| Note: THERE IS EARLY LOCAL INVASION AT BASE OF TUMOR THEN | | | |
| Spleen | | | |
| Note: NCL-3 | | | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014

Time Report Requested: 14:14:35

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 178

TRT#: 5

SEX: Female

DAY ON TEST: 701

DOSE: VEHICLE CONTROL

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014

Time Report Requested: 14:14:35

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 179

TRT#: 5

SEX: Female

DAY ON TEST: 731

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Adrenal Gland - Medulla

OBSERVATIONS

| | | | |
|---------------------------------|---------------|----------------------------|------------------------------------|
| Heart | | Cardiomyopathy | Multifocal, Minimal |
| Kidney | | Nephropathy | Chronic, Multifocal, Minimal |
| Liver | | Focal Cellular Change | |
| | | Hepatodiaphragmatic Nodule | |
| | Bile Duct | Hyperplasia | Multifocal, Mild |
| Note: ANOM HEPAT LOB TGLs = 3-3 | | | |
| Lung | | Infiltration Cellular | Histiocyte, Multifocal, Mild |
| | Pleura | Inflammation | Proliferative, Multifocal, Minimal |
| Mammary Gland | Duct | Ectasia | Moderate |
| | | Fibroadenoma | |
| Note: FIBROADENOMA TGLs = 1-13 | | | |
| Mesentery | Fat | Necrosis | Marked |
| Note: NECROSIS TGLs = 2-12 | | | |
| Nose | Mucosa | Cytoplasmic Alteration | Multifocal, Minimal |
| Pituitary Gland | Pars Distalis | Adenoma | |
| Spleen | | Infarct | Mild |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014

Time Report Requested: 14:14:35

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 180

TRT#: 5

SEX: Female

DAY ON TEST: 731

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

| | | | |
|--------------------------------|---------------|------------------------|---------------------------|
| Adrenal Gland | Cortex | Hyperplasia | Focal, Minimal |
| Brain | Hypothalamus | Compression | Mild |
| Eye | Retina | Atrophy | Marked |
| | Lens | Cataract | Marked |
| | Sclera | Metaplasia | Osseous, Focal, Minimal |
| Note: CATARACT TGLs = 3-13 | | | |
| Heart | | Cardiomyopathy | Multifocal, Mild |
| Kidney | | Nephropathy | Chronic, Multifocal, Mild |
| Liver | | Focal Cellular Change | |
| | Bile Duct | Hyperplasia | Multifocal, Minimal |
| Mammary Gland | Duct | Ectasia | Mild |
| | | Fibroadenoma | |
| Note: FIBROADENOMA TGLs = 1-12 | | | |
| Nose | Mucosa | Cytoplasmic Alteration | Multifocal, Mild |
| | | Foreign Body | Mild |
| | Mucosa | Inflammation | Acute, Multifocal, Mild |
| Pituitary Gland | Pars Distalis | Adenoma | |
| Note: ADENOMA TGLs = 4-1 | | | |
| Uterus | Endometrium | Cyst | Multiple, Mild |
| Note: CYST TGLs = 2-5 | | | |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014
Time Report Requested: 14:14:35
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 181

TRT#: 5

SEX: Female

DAY ON TEST: 731

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

| | | | |
|-----------------|---------------|-----------------------|-------------------------------|
| Adrenal Gland | Cortex | Degeneration | Focal, Minimal |
| Eye | Retina | Atrophy | Mild |
| | Lens | Cataract | Minimal |
| | Sclera | Metaplasia | Osseous, Focal, Minimal |
| Kidney | | Nephropathy | Chronic, Multifocal, Moderate |
| Liver | | Focal Cellular Change | |
| | | Inflammation | Chronic, Multifocal, Minimal |
| Mammary Gland | | Adenoma | |
| Pituitary Gland | Pars Distalis | Cyst | Mild |
| Note: CYST | | | |
| TGLs = 1-1 | | | |
| Spleen | Lymph Follic | Hyperplasia | Focal, Marked |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014
Time Report Requested: 14:14:35
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 182

TRT#: 5

SEX: Female

DAY ON TEST: 731

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|---------------------------|--------------------------|----------------------------|-------------------------|
| Adrenal Gland - Cortex | Adrenal Gland - Medulla | Bone | Brain |
| Clitoral Gland | Esophagus | Eye | Intestine Large - Cecum |
| Intestine Large - Colon | Intestine Large - Rectum | Intestine Small - Duodenum | Intestine Small - Ileum |
| Intestine Small - Jejunum | Islets, Pancreatic | Larynx | Ovary |
| Pancreas | Parathyroid Gland | Skin | Spinal Cord |
| Stomach - Forestomach | Stomach - Glandular | Thyroid Gland | Trachea |
| Urinary Bladder | | | |

MISSING

| | | |
|-------------------------|-----------------|--------|
| Lymph Node - Mandibular | Salivary Glands | Thymus |
|-------------------------|-----------------|--------|

OBSERVATIONS

| | | | |
|-------------------------------|----------------|------------------------|---------------------------------|
| Bone Marrow | | Leukemia Mononuclear | |
| Heart | | Cardiomyopathy | Multifocal, Minimal |
| Kidney | | Nephropathy | Chronic, Multifocal, Mild |
| Liver | | Focal Cellular Change | |
| | Bile Duct | Hyperplasia | Multifocal, Mild |
| | | Inflammation | Chronic, Multifocal, Mild |
| | | Leukemia Mononuclear | |
| Lung | | Infiltration Cellular | Histiocyte, Multifocal, Minimal |
| | | Leukemia Mononuclear | |
| Lymph Node | Mesenteric | Infiltration Cellular | Histiocyte, Mild |
| Mammary Gland | | Fibroadenoma | |
| Note: FIBROADENOMA TGLs = 2-5 | | | |
| Nose | Mucosa | Cytoplasmic Alteration | Multifocal, Mild |
| | Nasolacrim Dct | Inflammation | Chronic, Mild |
| Pituitary Gland | Pars Distalis | Adenoma | |
| [Adenoma TGLS = 3-1] | | | |
| Spleen | | Leukemia Mononuclear | |
| Uterus | | Dilatation | Mild |
| | Endometrium | Hyperplasia | Mild |
| Note: DILATATION TGLs = 1-5 | | | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014

Time Report Requested: 14:14:35

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 182

TRT#: 5

SEX: Female

DAY ON TEST: 731

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014
Time Report Requested: 14:14:35
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 183

TRT#: 5

SEX: Female

DAY ON TEST: 731

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

| | |
|----------------|-------------------|
| Clitoral Gland | Parathyroid Gland |
|----------------|-------------------|

OBSERVATIONS

| | | | |
|---|---------------|------------------------|------------------------------|
| Eye | Sclera | Metaplasia | Osseous, Multifocal, Minimal |
| Heart | | Cardiomyopathy | Multifocal, Mild |
| Kidney | | Nephropathy | Chronic, Multifocal, Minimal |
| Liver | | Focal Cellular Change | |
| | Bile Duct | Hyperplasia | Multifocal, Minimal |
| | | Inflammation | Chronic, Multifocal, Mild |
| Lymph Node | Mesenteric | Infiltration Cellular | Histiocyte, Mild |
| Note: MEDIASTINAL LN - NO CORRESPONDING LESION. NCL-4 | | | |
| Mammary Gland | Duct | Ectasia | Minimal |
| | | Fibroadenoma | Multiple |
| Note: FIBROADENOMA TGLs = 1,3-13,12 | | | |
| Nose | Mucosa | Cytoplasmic Alteration | Multifocal, Minimal |
| Pancreas | Acinus | Atrophy | Focal, Mild |
| Pituitary Gland | Pars Distalis | Cyst | Mild |
| | Pars Distalis | Hyperplasia | Focal, Mild |
| Note: CYST TGLs = 5-1 [Hyperplasia TGLs = 5-1] | | | |
| Uterus | Cervix | Inflammation | Chronic Active, Marked |
| | Cervix | Metaplasia | Squamous, Moderate |
| Note: INFLAMMATION TGLs = 2-5 | | | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014

Time Report Requested: 14:14:35

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 183

TRT#: 5

SEX: Female

DAY ON TEST: 731

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Note: INFLAMMATION TGLs = 2-14

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014
Time Report Requested: 14:14:35
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 184

TRT#: 5

SEX: Female

DAY ON TEST: 731

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|----------------------------|-------------------------|---------------------------|--------------------------|
| Bone | Bone Marrow | Brain | Esophagus |
| Heart | Intestine Large - Cecum | Intestine Large - Colon | Intestine Large - Rectum |
| Intestine Small - Duodenum | Intestine Small - Ileum | Intestine Small - Jejunum | Islets, Pancreatic |
| Kidney | Larynx | Lung | Lymph Node - Mandibular |
| Lymph Node - Mesenteric | Mammary Gland | Ovary | Pancreas |
| Salivary Glands | Skin | Spinal Cord | Spleen |
| Stomach - Forestomach | Stomach - Glandular | Thymus | Thyroid Gland |
| Trachea | Urinary Bladder | Uterus | |

MISSING

| | | | |
|-----|-------------------|--|--|
| Ear | Parathyroid Gland | | |
|-----|-------------------|--|--|

OBSERVATIONS

| | | | |
|--------------------------|---------------|-------------------------|---------------------------|
| Adrenal Gland | Cortex | Hyperplasia | Multifocal, Minimal |
| | Medulla | Pheochromocytoma Benign | |
| Brain | | | |
| Note: BEST SECTION | | | |
| Clitoral Gland | | Adenoma | |
| Note: ADENOMA TGLs = 1-8 | | | |
| Eye | Retina | Atrophy | Mild |
| Heart | | | |
| Note: BEST SECTION | | | |
| Liver | | Focal Cellular Change | |
| | Bile Duct | Hyperplasia | Multifocal, Mild |
| | | Inflammation | Chronic, Multifocal, Mild |
| Nose | Mucosa | Cytoplasmic Alteration | Multifocal, Mild |
| Pituitary Gland | Pars Distalis | Adenoma | |
| Note: ADENOMA TGLs = 2-1 | | | |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014
Time Report Requested: 14:14:35
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 185

TRT#: 5

SEX: Female

DAY ON TEST: 731

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Clitoral Gland

OBSERVATIONS

| | | | |
|-----------------|----------------|------------------------|---------------------------|
| Eye | Retina | Atrophy | Mild |
| | Lens | Cataract | Mild |
| | Sclera | Metaplasia | Osseous, Focal, Minimal |
| Heart | | Cardiomyopathy | Multifocal, Mild |
| Kidney | | Nephropathy | Chronic, Multifocal, Mild |
| Liver | | Focal Cellular Change | |
| | Bile Duct | Hyperplasia | Multifocal, Mild |
| | | Inflammation | Chronic, Multifocal, Mild |
| Nose | Mucosa | Cytoplasmic Alteration | Multifocal, Minimal |
| | Nasolacrim Dct | Inflammation | Chronic Active, Mild |
| Pancreas | Acinus | Atrophy | Multifocal, Mild |
| Pituitary Gland | Pars Distalis | Adenoma | |
| Thyroid Gland | C Cell | Adenoma | |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014
Time Report Requested: 14:14:35
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 186

TRT#: 5

SEX: Female

DAY ON TEST: 731

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Parathyroid Gland

OBSERVATIONS

| | | | |
|--------------------------------|---------------|------------------------|---------------------------|
| Adrenal Gland | Medulla | Hyperplasia | Multifocal, Mild |
| Bone Marrow | | Myelofibrosis | Multifocal, Mild |
| Eye | Retina | Atrophy | Mild |
| | Lens | Cataract | Minimal |
| Heart | | Cardiomyopathy | Multifocal, Minimal |
| Kidney | | Nephropathy | Chronic, Multifocal, Mild |
| Liver | | Focal Cellular Change | |
| | | Inflammation | Chronic, Multifocal, Mild |
| Lymph Node | Mesenteric | Infiltration Cellular | Histiocyte, Minimal |
| Mammary Gland | Duct | Ectasia | Mild |
| | | Fibroadenoma | |
| Note: FIBROADENOMA TGLs = 1-12 | | | |
| Nose | Mucosa | Cytoplasmic Alteration | Multifocal, Minimal |
| Pituitary Gland | Pars Distalis | Adenoma | |
| [Adenoma TGLS = 2-1] | | | |
| Uterus | Cervix | Cyst | Mild |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014

Time Report Requested: 14:14:35

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 187

TRT#: 5

SEX: Female

DAY ON TEST: 667

DOSE: VEHICLE CONTROL

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|---------------------------|--------------------------|----------------------------|-------------------------|
| Adrenal Gland - Medulla | Bone | Bone Marrow | Brain |
| Clitoral Gland | Esophagus | Heart | Intestine Large - Cecum |
| Intestine Large - Colon | Intestine Large - Rectum | Intestine Small - Duodenum | Intestine Small - Ileum |
| Intestine Small - Jejunum | Islets, Pancreatic | Kidney | Larynx |
| Lymph Node - Mandibular | Lymph Node - Mesenteric | Ovary | Pancreas |
| Parathyroid Gland | Pituitary Gland | Salivary Glands | Spinal Cord |
| Stomach - Forestomach | Stomach - Glandular | Thyroid Gland | Trachea |
| Urinary Bladder | Uterus | | |

MISSING

Thymus

OBSERVATIONS

| | | | |
|---|--------------|----------------------------------|---------------------------------|
| Adrenal Gland | Cortex | Hematopoietic Cell Proliferation | Multifocal, Mild |
| Eye | Retina | Atrophy | Mild |
| | Lens | Cataract | Marked |
| Note: THE CATARACT AND ATROPHY OF THE RETINA ARE UNILATERAL | | | |
| Liver | | Fatty Change | Marked |
| | | Focal Cellular Change | |
| Note: FOCAL CELL CH TGLs = 3-3 | | | |
| Note: FATTY CHANGE TGLs = 3-3 | | | |
| Lung | | Infiltration Cellular | Histiocyte, Multifocal, Minimal |
| Mammary Gland | Duct | Ectasia | Mild |
| Nose | Mucosa | Cytoplasmic Alteration | Multifocal, Minimal |
| Skin | Subcut Tiss | Hemorrhage | Moderate |
| | Subcut Tiss | Sarcoma | |
| Note: SARCOMA TGLs = 1-13 | | | |
| Note: HEMORRHAGE TGLs = 4-12 | | | |
| Spleen | Lymph Follic | Atrophy | Minimal |
| Note: ATROPHY TGLs = 2-3 | | | |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014

Time Report Requested: 14:14:35

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 188

TRT#: 5

SEX: Female

DAY ON TEST: 731

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

| | |
|----------------|---------------|
| Clitoral Gland | Mammary Gland |
|----------------|---------------|

OBSERVATIONS

| | | | |
|-----------------|--|------------------------|---------------------------------|
| Brain | Note: BEST SECTION - DAMAGED AT NECROPSY | | |
| Eye | Retina | Atrophy | Mild |
| | Lens | Cataract | Mild |
| | Sclera | Metaplasia | Osseous, Multifocal, Minimal |
| Kidney | | Nephropathy | Chronic, Multifocal, Mild |
| Liver | | Focal Cellular Change | |
| | Bile Duct | Hyperplasia | Multifocal, Minimal |
| | | Inflammation | Chronic, Multifocal, Minimal |
| Lung | | Infiltration Cellular | Histiocyte, Multifocal, Minimal |
| Nose | Mucosa | Cytoplasmic Alteration | Multifocal, Minimal |
| Pituitary Gland | Pars Distalis | Adenoma | |
| | [Adenoma TGLS = 1-1] | | |
| Thyroid Gland | C Cell | Adenoma | |

PRIMARY CAUSE OF DEATH

-

Animal Note: PROCESSOR MALFUNCTION

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014
Time Report Requested: 14:14:35
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 189

TRT#: 5

SEX: Female

DAY ON TEST: 731

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

| | | | |
|---------------------------------|---------------|------------------------|---------------------------------|
| Eye | Retina | Atrophy | Mild |
| Kidney | | Nephropathy | Chronic, Multifocal, Mild |
| Liver | | Focal Cellular Change | |
| | Bile Duct | Hyperplasia | Multifocal, Mild |
| | | Leukemia Mononuclear | |
| Note: FOCAL CELL CH TGLs = 2-3 | | | |
| Note: LEUKEMIA MONUC TGLs = 2-3 | | | |
| Lung | | Infiltration Cellular | Histiocyte, Multifocal, Minimal |
| Mammary Gland | Duct | Ectasia | Mild |
| Nose | Mucosa | Cytoplasmic Alteration | Multifocal, Minimal |
| Pituitary Gland | Pars Distalis | Cyst | Moderate |
| Spleen | | Leukemia Mononuclear | |
| Uterus | Cervix | Inflammation | Chronic Active, Moderate |
| Note: INFLAMMATION TGLs = 1-5 | | | |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014
Time Report Requested: 14:14:35
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 190

TRT#: 5

SEX: Female

DAY ON TEST: 731

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|---------------------------|-------------------------|--------------------------|----------------------------|
| Adrenal Gland - Cortex | Bone | Bone Marrow | Brain |
| Intestine Large - Cecum | Intestine Large - Colon | Intestine Large - Rectum | Intestine Small - Duodenum |
| Intestine Small - Jejunum | Islets, Pancreatic | Larynx | Lymph Node - Mandibular |
| Mammary Gland | Ovary | Parathyroid Gland | Salivary Glands |
| Skin | Spinal Cord | Spleen | Thymus |
| Thyroid Gland | Trachea | Urinary Bladder | |

MISSING

| | | | |
|---------------------|-----------|-------------------------|-----------------------|
| Clitoral Gland | Esophagus | Intestine Small - Ileum | Stomach - Forestomach |
| Stomach - Glandular | | | |

OBSERVATIONS

| | | | |
|--|----------------|------------------------|---------------------------|
| Adrenal Gland | Medulla | Hyperplasia | Multifocal, Minimal |
| Brain | | | |
| Note: BEST SECTION | | | |
| Note: BRAIN DAMAGED AT NECROPSY | | | |
| Eye | Retina | Atrophy | Minimal |
| Heart | | Cardiomyopathy | Multifocal, Minimal |
| Islets Panc | | | |
| Note: A RIM OF HEPATOCYTES SURROUND A PANCREATIC ISLET | | | |
| Kidney | | Nephropathy | Chronic, Multifocal, Mild |
| Liver | | Focal Cellular Change | |
| | Bile Duct | Hyperplasia | Multifocal, Mild |
| Lung | Interstitium | Inflammation | Chronic, Focal, Minimal |
| Lymph Node | Mesenteric | Hyperplasia | Lymphoid, Mild |
| Nose | Mucosa | Cytoplasmic Alteration | Multifocal, Minimal |
| | Nasolacrim Dct | Inflammation | Chronic, Minimal |
| Pancreas | Acinus | Atrophy | Focal, Minimal |
| | | Metaplasia | Focal, Minimal |
| Pituitary Gland | Pars Distalis | Adenoma | |
| Uterus | | Dilatation | Mild |
| | Endometrium | Polyp Stromal | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014
Time Report Requested: 14:14:35
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 190

TRT#: 5

SEX: Female

DAY ON TEST: 731

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Note: POLYP STROMAL TGLs = 1-5

Note: DILATATION TGLs = 2-5

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014
Time Report Requested: 14:14:35
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 191

TRT#: 5

SEX: Female

DAY ON TEST: 731

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|--------------------------|----------------------------|-------------------------|---------------------------|
| Adrenal Gland - Cortex | Adrenal Gland - Medulla | Bone | Bone Marrow |
| Brain | Esophagus | Intestine Large - Cecum | Intestine Large - Colon |
| Intestine Large - Rectum | Intestine Small - Duodenum | Intestine Small - Ileum | Intestine Small - Jejunum |
| Islets, Pancreatic | Kidney | Larynx | Lung |
| Lymph Node - Mesenteric | Mammary Gland | Ovary | Parathyroid Gland |
| Salivary Glands | Skin | Spinal Cord | Stomach - Forestomach |
| Stomach - Glandular | Thymus | Thyroid Gland | Trachea |
| Urinary Bladder | | | |

MISSING

Lymph Node - Mandibular

OBSERVATIONS

| | | | |
|---------------------------------|---------------|------------------------|-------------------------|
| Brain | | | |
| Note: DAMAGED AT NECROPSY | | | |
| Clitoral Gland | | Inflammation | Chronic, Focal, Minimal |
| Eye | Retina | Atrophy | Minimal |
| | Lens | Cataract | Mild |
| Heart | | Cardiomyopathy | Multifocal, Mild |
| Liver | | Focal Cellular Change | |
| | Bile Duct | Hyperplasia | Multifocal, Mild |
| | | Leukemia Mononuclear | |
| Note: LEUKEMIA MONUC TGLs = 2-3 | | | |
| Note: FOCAL CELL CH TGLs = 2-3 | | | |
| Mesentery | Fat | Necrosis | Moderate |
| Note: NECROSIS TGLs = 1-8 | | | |
| Nose | Mucosa | Cytoplasmic Alteration | Multifocal, Minimal |
| Pancreas | Acinus | Atrophy | Multifocal, Mild |
| Pituitary Gland | Pars Distalis | Adenoma | |
| [Adenoma TGLS = 3-1] | | | |
| Spleen | | Leukemia Mononuclear | |
| Uterus | Cervix | Inflammation | Chronic, Moderate |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014
Time Report Requested: 14:14:35
First Dose M/F: NA / NA
Lab: MBA

| | | | |
|--|--|---|--|
| ANIMAL ID: 191 | TRT#: 5 DOSE: VEHICLE CONTROL | SEX: Female DISP: Terminal Sacrifice | DAY ON TEST: 731 HISTO: |
| ORGAN AND ACCOUNTABLE SITE STATUS | | | |
| Note: INFLAMMATION TGLs = 4-5 | Cervix | Metaplasia | Squamous, Moderate |
| PRIMARY CAUSE OF DEATH | - | | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014
Time Report Requested: 14:14:35
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 192

TRT#: 5

SEX: Female

DAY ON TEST: 677

DOSE: VEHICLE CONTROL

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|---------------------------|--------------------------|----------------------------|-------------------------|
| Bone | Esophagus | Heart | Intestine Large - Cecum |
| Intestine Large - Colon | Intestine Large - Rectum | Intestine Small - Duodenum | Intestine Small - Ileum |
| Intestine Small - Jejunum | Islets, Pancreatic | Kidney | Larynx |
| Lung | Lymph Node - Mandibular | Lymph Node - Mesenteric | Ovary |
| Pancreas | Parathyroid Gland | Salivary Glands | Skin |
| Spinal Cord | Stomach - Forestomach | Stomach - Glandular | Thyroid Gland |
| Trachea | Urinary Bladder | | |

MISSING

| | |
|----------------|--------|
| Clitoral Gland | Thymus |
|----------------|--------|

OBSERVATIONS

| | | | |
|---------------------------------|---------------|----------------------------------|---------------------|
| Adrenal Gland | Cortex | Degeneration | Focal, Minimal |
| | Medulla | Hyperplasia | Focal, Minimal |
| Bone Marrow | | Hyperplasia | Mild |
| Brain | Hypothalamus | Compression | Moderate |
| Eye | Retina | Atrophy | Mild |
| Liver | | Focal Cellular Change | |
| | | Hematopoietic Cell Proliferation | Multifocal, Minimal |
| Note: HEMA CELL PROL TGLs = 5-3 | | | |
| Note: FOCAL CELL CH TGLs = 5-3 | | | |
| Mammary Gland | | Adenocarcinoma | |
| | Duct | Ectasia | Moderate |
| | | Fibroadenoma | |
| Note: ADENOCARC TGLs = 1-12 | | | |
| Note: FIBROADENOMA TGLs = 2-13 | | | |
| Nose | Mucosa | Cytoplasmic Alteration | Multifocal, Minimal |
| Pituitary Gland | Pars Distalis | Adenoma | |
| Note: ADENOMA TGLs = 6-1 | | | |
| Spleen | | Hematopoietic Cell Proliferation | Mild |
| Uterus | Endometrium | Polyp Stromal | |
| Note: POLYP STROMAL TGLs = 4-5 | | | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014
Time Report Requested: 14:14:35
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 192

TRT#: 5

SEX: Female

DAY ON TEST: 677

DOSE: VEHICLE CONTROL

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Vagina

Note: NST-3. THE GROSS DESCRIPTION SUGGESTS PERIVAGINAL

Note: (PERIVULVAR). SKIN WAS BLOOD TINGED. NO SECTION WAS TAKEN.

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014
Time Report Requested: 14:14:35
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 193

TRT#: 5

SEX: Female

DAY ON TEST: 731

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

| | | | |
|---|--------|----------------------------|------------------------------|
| Eye | Retina | Atrophy | Mild |
| | Sclera | Metaplasia | Osseous, Multifocal, Minimal |
| Kidney | | Nephropathy | Chronic, Multifocal, Minimal |
| Liver | | Focal Cellular Change | |
| | | Hepatodiaphragmatic Nodule | |
| | | Inflammation | Chronic, Multifocal, Minimal |
| <p>Note: FOCAL CELL CH TGLs = 2-3</p> <p>Note: ANOM HEPAT LOB TGLs = 2-3</p> <p>Note: I AM UNCERTAIN WHICH OF THE LIVER LESIONS CORRESPONDED TO THE GROSS OBSERVATION</p> | | | |
| Mammary Gland | | Fibroadenoma | |
| | | | |
| Nose | Mucosa | Cytoplasmic Alteration | Multifocal, Minimal |
| Pancreas | Acinus | Atrophy | Focal, Mild |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014

Time Report Requested: 14:14:35

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 194

TRT#: 5

SEX: Female

DAY ON TEST: 731

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Lymph Node - Mesenteric

OBSERVATIONS

| | | | |
|---|---------------|------------------------|------------------------------|
| Adrenal Gland | Cortex | Degeneration | Focal, Mild |
| Clitoral Gland | | Hyperplasia | Focal, Moderate |
| Note: WHEN IT WAS ACTUALLY A MAMMARY MASS. | | | |
| Note: MASS INCORRECTLY DIAG. BY PROSEC. AS CLITORAL GLAND | | | |
| Eye | Retina | Atrophy | Minimal |
| | Sclera | Metaplasia | Osseous, Multifocal, Minimal |
| Heart | | Cardiomyopathy | Multifocal, Mild |
| Kidney | | Nephropathy | Chronic, Multifocal, Minimal |
| Liver | | Focal Cellular Change | |
| | | Inflammation | Chronic, Multifocal, Minimal |
| Mammary Gland | Duct | Ectasia | Mild |
| | | Fibroadenoma | |
| Note: FIBROADENOMA TGLs = 1,2-12,13 | | | |
| Nose | Mucosa | Cytoplasmic Alteration | Multifocal, Mild |
| Pituitary Gland | Pars Distalis | Hyperplasia | Focal, Mild |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014
Time Report Requested: 14:14:35
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 195

TRT#: 5

SEX: Female

DAY ON TEST: 731

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|---------------------------|--------------------------|----------------------------|-------------------------|
| Adrenal Gland - Medulla | Bone | Bone Marrow | Clitoral Gland |
| Esophagus | Eye | Heart | Intestine Large - Cecum |
| Intestine Large - Colon | Intestine Large - Rectum | Intestine Small - Duodenum | Intestine Small - Ileum |
| Intestine Small - Jejunum | Kidney | Larynx | Lymph Node - Mandibular |
| Lymph Node - Mesenteric | Ovary | Parathyroid Gland | Salivary Glands |
| Spinal Cord | Spleen | Stomach - Forestomach | Stomach - Glandular |
| Thymus | Thyroid Gland | Trachea | Urinary Bladder |
| Uterus | | | |

OBSERVATIONS

| | | | |
|----------------------------------|-------------------|------------------------|---------------------------------|
| Adrenal Gland | Cortex | Hematocyst | Moderate |
| Brain | Hypothalamus | Compression | Marked |
| Clitoral Gland | | | |
| Note: CLITORAL GLAND IN SLIDE 12 | | | |
| Islets, Pancreatic | | Hyperplasia | Focal, Marked |
| Liver | | Focal Cellular Change | |
| | Bile Duct | Hyperplasia | Multifocal, Mild |
| | | Inflammation | Chronic, Multifocal, Minimal |
| Lung | | Infiltration Cellular | Histiocyte, Multifocal, Minimal |
| Mammary Gland | Duct | Ectasia | Mild |
| Note: ECTASIA TGLs = 1-5,12 | | | |
| Nose | Mucosa | Cytoplasmic Alteration | Multifocal, Minimal |
| | Nasolacrimal Duct | Inflammation | Chronic Active, Mild |
| Pancreas | Acinus | Atrophy | Multifocal, Minimal |
| Pituitary Gland | Pars Distalis | Adenoma | |
| Note: ADENOMA TGLs = 2-1 | | | |
| Skin | Subcut Tissue | Inflammation | Chronic Active, Focal, Mild |
| Note: SKIN (5 AND 12) NCL - 3 | | | |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014
Time Report Requested: 14:14:35
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 196

TRT#: 5

SEX: Female

DAY ON TEST: 731

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Parathyroid Gland

OBSERVATIONS

| | | | |
|------------------------|---------------|------------------------|---------------------------------|
| Adrenal Gland | Cortex | Degeneration | Focal, Marked |
| | Cortex | Hyperplasia | Multifocal, Mild |
| Eye | Retina | Atrophy | Marked |
| | Lens | Cataract | Marked |
| Note: CATARACT | TGLs = 1-12 | | |
| Heart | | Cardiomyopathy | Multifocal, Moderate |
| Kidney | | Nephropathy | Chronic, Multifocal, Mild |
| Liver | | Focal Cellular Change | |
| | Bile Duct | Hyperplasia | Multifocal, Minimal |
| | | Inflammation | Chronic, Multifocal, Minimal |
| Lung | | Infiltration Cellular | Histiocyte, Multifocal, Minimal |
| Mammary Gland | Duct | Ectasia | Mild |
| | Acinus | Hyperplasia | Focal, Mild |
| Nose | Mucosa | Cytoplasmic Alteration | Multifocal, Mild |
| Ovary | | Inflammation | Chronic, Multifocal, Marked |
| Pancreas | Acinus | Atrophy | Focal, Mild |
| Pituitary Gland | Pars Distalis | Adenoma | |
| [Adenoma TGLS = 3-1] | | | |
| Thyroid Gland | C Cell | Adenoma | |
| | C Cell | Hyperplasia | Focal, Mild |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014
Time Report Requested: 14:14:35
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 196

TRT#: 5

SEX: Female

DAY ON TEST: 731

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Uterus

Endometrium

Polyp Stromal

Note: POLYP STROMAL TGLs = 2-5

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014
Time Report Requested: 14:14:35
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 197

TRT#: 5

SEX: Female

DAY ON TEST: 731

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|-------------------------|---------------------------|--------------------------|----------------------------|
| Adrenal Gland - Medulla | Bone Marrow | Clitoral Gland | Esophagus |
| Intestine Large - Cecum | Intestine Large - Colon | Intestine Large - Rectum | Intestine Small - Duodenum |
| Intestine Small - Ileum | Intestine Small - Jejunum | Islets, Pancreatic | Larynx |
| Lymph Node - Mesenteric | Mammary Gland | Nose | Ovary |
| Pancreas | Parathyroid Gland | Skin | Spinal Cord |
| Spleen | Stomach - Forestomach | Stomach - Glandular | Thymus |
| Thyroid Gland | Trachea | Urinary Bladder | Uterus |

MISSING

| | |
|-------------------------|-----------------|
| Lymph Node - Mandibular | Salivary Glands |
|-------------------------|-----------------|

OBSERVATIONS

| | | | |
|-----------------|---------------|-----------------------|------------------------------|
| Adrenal Gland | Cortex | Hyperplasia | Multifocal, Mild |
| Bone | | Hyperostosis | Mild |
| Brain | Cerebrum | Infiltration Cellular | Lymphocyte, Focal, Mild |
| Eye | Sclera | Metaplasia | Osseous, Focal, Minimal |
| Heart | | Cardiomyopathy | Multifocal, Mild |
| Kidney | | Nephropathy | Chronic, Multifocal, Minimal |
| Liver | | Focal Cellular Change | |
| | | Infiltration Cellular | Lymphocyte, Multifocal, Mild |
| | | Inflammation | Chronic, Multifocal, Minimal |
| Lung | Peribronchial | Hyperplasia | Lymphoid, Mild |
| Mesentery | Fat | Necrosis | Mild |
| Note: NECROSIS | TGLs = 1-2 | | |
| Pituitary Gland | Pars Distalis | Cyst | Mild |
| Note: CYST | TGLs = 2-1 | | |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014
Time Report Requested: 14:14:35
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 198

TRT#: 5

SEX: Female

DAY ON TEST: 731

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

| | | | |
|-----------------|---------------|------------------------|--------------------------------------|
| Adrenal Gland | Cortex | Hyperplasia | Focal, Minimal |
| Eye | Retina | Atrophy | Mild |
| | Lens | Cataract | Minimal |
| Heart | | Cardiomyopathy | Multifocal, Minimal |
| Kidney | | Nephropathy | Chronic, Multifocal, Minimal |
| Liver | | Focal Cellular Change | |
| | Bile Duct | Hyperplasia | Multifocal, Mild |
| Lung | | Infiltration Cellular | Histiocyte, Multifocal, Minimal |
| Lymph Node | Mandibular | Hyperplasia | Lymphoid, Mild |
| Mammary Gland | | Adenoma | |
| | Duct | Ectasia | Minimal |
| Nose | Mucosa | Cytoplasmic Alteration | Multifocal, Minimal |
| | | Fungus | Marked |
| | Mucosa | Inflammation | Chronic Active, Multifocal, Moderate |
| | Mucosa | Metaplasia | Squamous, Focal, Mild |
| Pituitary Gland | Pars Distalis | Adenoma | |
| | Pars Distalis | Cyst | Mild |

[Adenoma TGLS = 1-1]

[Cyst TGLS = 1-1]

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014
Time Report Requested: 14:14:35
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 199

TRT#: 5

SEX: Female

DAY ON TEST: 677

DOSE: VEHICLE CONTROL

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

| | | | |
|-------------------------------|---------------|------------------------|------------------------------|
| Adrenal Gland | Cortex | Degeneration | Focal, Minimal |
| Eye | Retina | Atrophy | Minimal |
| Heart | | Cardiomyopathy | Multifocal, Minimal |
| Kidney | | Nephropathy | Chronic, Multifocal, Mild |
| Liver | | Basophilic Focus | Minimal |
| | | Fatty Change | Mild |
| | Bile Duct | Hyperplasia | Multifocal, Minimal |
| | | Inflammation | Chronic, Multifocal, Minimal |
| Note: FATTY CHANGE TGLs = 2-3 | | | |
| Mammary Gland | | Fibroadenoma | |
| Nose | Mucosa | Cytoplasmic Alteration | Multifocal, Minimal |
| Pancreas | Acinus | Atrophy | Focal, Mild |
| Pituitary Gland | Pars Distalis | Adenoma | |
| [Adenoma TGLS = 3-1] | | | |
| Spleen | | | |
| Note: NCL-1 | | | |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014

Time Report Requested: 14:14:35

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 200

TRT#: 5

SEX: Female

DAY ON TEST: 731

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex

Adrenal Gland - Medulla

Bone Marrow

Brain

Esophagus

Intestine Large - Cecum

Intestine Large - Colon

Intestine Large - Rectum

Intestine Small - Duodenum

Intestine Small - Ileum

Intestine Small - Jejunum

Islets, Pancreatic

Larynx

Lymph Node - Mandibular

Mammary Gland

Ovary

Parathyroid Gland

Pituitary Gland

Salivary Glands

Skin

Spinal Cord

Stomach - Forestomach

Stomach - Glandular

Thymus

Trachea

Urinary Bladder

MISSING

Clitoral Gland

OBSERVATIONS

Bone

Hyperostosis

Moderate

Brain

Note: BRAIN AND PITUITARY BADLY DAMAGED AT NECROPSY

Eye

Retina

Atrophy

Mild

Heart

Cardiomyopathy

Multifocal, Mild

Kidney

Nephropathy

Chronic, Multifocal, Mild

Liver

Focal Cellular Change

Bile Duct

Hyperplasia

Multifocal, Mild

Leukemia Mononuclear

Note: LEUKEMIA MONUC TGLs = 1-3

Lung

Leukemia Mononuclear

Lymph Node

Mesenteric

Leukemia Mononuclear

Nose

Mucosa

Cytoplasmic Alteration

Multifocal, Minimal

Pancreas

Acinus

Atrophy

Focal, Mild

Spleen

Leukemia Mononuclear

Thyroid Gland

C Cell

Hyperplasia

Multifocal, Moderate

Uterus

Endometrium

Polyp Stromal

Note: POLYP STROMAL TGLs = 2-5

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014
Time Report Requested: 14:14:35
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 201

TRT#: 6

SEX: Female

DAY ON TEST: 732

DOSE: 20 PPM LOW F

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

| | | | |
|---|----------------|------------------------|---------------------------------|
| Bone | | Hyperostosis | Moderate |
| Eye | Sclera | Metaplasia | Osseous, Multifocal, Minimal |
| Liver | Bile Duct | Focal Cellular Change | |
| | | Hyperplasia | Multifocal, Mild |
| | | Inflammation | Chronic, Multifocal, Mild |
| Lung | Alveolar Epith | Hyperplasia | Focal, Marked |
| | | Infiltration Cellular | Histiocyte, Multifocal, Minimal |
| Note: HYPERPLASIA BECAUSE ALL HYPERPLASTIC | | | |
| Note: CELLS REST ON PREEXISTING STROMA. | | | |
| Note: LUNG-ADVANCED ALVEOLAR CELL HYPERPLASIA. CONSIDER | | | |
| Nose | Mucosa | Cytoplasmic Alteration | Multifocal, Mild |
| | Nasolacrim Dct | Inflammation | Chronic, Minimal |
| Pituitary Gland | Pars Distalis | Angiectasis | Focal, Mild |
| Thyroid Gland | C Cell | Adenoma | |

PRIMARY CAUSE OF DEATH

-

Animal Note: PROCESSOR MALFUNCTION

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014

Time Report Requested: 14:14:35

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 202

TRT#: 6

SEX: Female

DAY ON TEST: 732

DOSE: 20 PPM LOW F

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Pituitary Gland

OBSERVATIONS

| | | | |
|-----------------------|----------------|--------------------------------------|--------------------------------------|
| Kidney | | Nephropathy | Chronic, Multifocal, Mild |
| Note: NEPHROPATHY | TGLs = 4-4 | | |
| Liver | | Focal Cellular Change Hyperplasia | Focal, Marked |
| Note: FOCAL CELL CH | TGLs = 3-3 | | |
| Note: [HYPERPLASIA] | TGLs = 3-3 | | |
| Lung | | Infiltration Cellular | Histiocyte, Multifocal, Minimal |
| Mammary Gland | Duct | Ectasia | Mild |
| Nose | Mucosa | Cytoplasmic Alteration | Multifocal, Minimal |
| | | Fungus | Mild |
| | Mucosa | Inflammation | Chronic Active, Multifocal, Moderate |
| | Nasolacrim Dct | Inflammation | Chronic Active, Mild |
| | Mucosa | Metaplasia | Squamous, Focal, Mild |
| Thyroid Gland | C Cell | Hyperplasia | Focal, Mild |
| Uterus | | Amyloid Deposition | Minimal |
| | Endometrium | Cyst | Multiple, Mild |
| | Endometrium | Polyp Stromal | Multiple |
| Note: POLYP STROMAL | TGLs = 1,2-12 | | |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014
Time Report Requested: 14:14:35
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 202

TRT#: 6

SEX: Female

DAY ON TEST: 732

DOSE: 20 PPM LOW F

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014
Time Report Requested: 14:14:35
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 203

TRT#: 6

SEX: Female

DAY ON TEST: 732

DOSE: 20 PPM LOW F

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

| | | | |
|--------------------------------|---------------|------------------------|---------------------------------|
| Heart | | Cardiomyopathy | Multifocal, Mild |
| Liver | | Focal Cellular Change | |
| | Bile Duct | Hyperplasia | Multifocal, Mild |
| | | Inflammation | Chronic, Multifocal, Mild |
| Lung | | Infiltration Cellular | Histiocyte, Multifocal, Minimal |
| Mammary Gland | Duct | Ectasia | Mild |
| | | Fibroadenoma | |
| Note: FIBROADENOMA TGLs = 1-12 | | | |
| Nose | Mucosa | Cytoplasmic Alteration | Multifocal, Minimal |
| | Mucosa | Inflammation | Chronic, Focal, Minimal |
| Pituitary Gland | Pars Distalis | Adenoma | |
| [Adenoma TGLS = 2-1] | | | |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014
Time Report Requested: 14:14:35
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 204

TRT#: 6

SEX: Female

DAY ON TEST: 732

DOSE: 20 PPM LOW F

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

| | | | |
|------------------------|---------------|------------------------|---------------------------------|
| Adrenal Gland | Medulla | Hyperplasia | Focal, Mild |
| Eye | Retina | Atrophy | Moderate |
| | Lens | Cataract | Marked |
| Note: CATARACT | TGLs = 1-12 | | |
| Heart | | Cardiomyopathy | Multifocal, Mild |
| Kidney | | Nephropathy | Chronic, Multifocal, Minimal |
| Liver | | Inflammation | Chronic, Multifocal, Minimal |
| Lung | | Infiltration Cellular | Histiocyte, Multifocal, Minimal |
| Mammary Gland | Duct | Ectasia | Mild |
| Nose | Mucosa | Cytoplasmic Alteration | Multifocal, Minimal |
| Pancreas | Acinus | Atrophy | Focal, Minimal |
| Pituitary Gland | Pars Distalis | Adenoma | |
| [Adenoma TGLS = 2-1] | | | |
| Uterus | Cervix | Cyst | Mild |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014

Time Report Requested: 14:14:35

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 205

TRT#: 6

SEX: Female

DAY ON TEST: 732

DOSE: 20 PPM LOW F

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Esophagus
Intestine Large - Colon
Intestine Small - Jejunum
Lymph Node - Mesenteric
Salivary Glands
Stomach - Forestomach
Urinary Bladder

Adrenal Gland - Medulla
Eye
Intestine Large - Rectum
Kidney
Mammary Gland
Skin
Stomach - Glandular
Uterus

Bone Marrow
Heart
Intestine Small - Duodenum
Larynx
Parathyroid Gland
Spinal Cord
Thymus

Brain
Intestine Large - Cecum
Intestine Small - Ileum
Lymph Node - Mandibular
Pituitary Gland
Spleen
Trachea

MISSING

Clitoral Gland

Islets, Pancreatic

Pancreas

OBSERVATIONS

Bone
Liver

Hyperostosis
Focal Cellular Change

Moderate

Lung
Nose

Bile Duct
Mucosa

Hyperplasia
Infiltration Cellular
Cytoplasmic Alteration
Fungus

Multifocal, Minimal
Histiocyte, Multifocal, Minimal
Multifocal, Mild
Mild

Ovary

Mucosa

Inflammation
Cyst

Chronic Active, Multifocal, Mild
Mild

Note: CYST TGLs = 1-5

Thyroid Gland

Follicular Cel

Adenoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014
Time Report Requested: 14:14:35
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 206

TRT#: 6

SEX: Female

DAY ON TEST: 732

DOSE: 20 PPM LOW F

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|---------------------------|-------------------------|--------------------------|-------------------------|
| Adrenal Gland - Medulla | Bone | Brain | Esophagus |
| Intestine Large - Cecum | Intestine Large - Colon | Intestine Large - Rectum | Intestine Small - Ileum |
| Intestine Small - Jejunum | Islets, Pancreatic | Kidney | Larynx |
| Lymph Node - Mandibular | Lymph Node - Mesenteric | Ovary | Pancreas |
| Parathyroid Gland | Pituitary Gland | Salivary Glands | Skin |
| Spinal Cord | Spleen | Stomach - Forestomach | Stomach - Glandular |
| Thymus | Thyroid Gland | Trachea | Urinary Bladder |
| Uterus | Vagina | | |

MISSING

| | | |
|----------------|-----|----------------------------|
| Clitoral Gland | Ear | Intestine Small - Duodenum |
|----------------|-----|----------------------------|

OBSERVATIONS

| | | | |
|---|-----------|----------------------------------|---------------------------------|
| Adrenal Gland | Cortex | Hematocyst | Mild |
| | Cortex | Hyperplasia | Multifocal, Moderate |
| Bone Marrow | | Hyperplasia | Mild |
| Eye | Retina | Atrophy | Minimal |
| | Sclera | Metaplasia | Osseous, Multifocal, Minimal |
| Heart | | Cardiomyopathy | Multifocal, Mild |
| Liver | | Focal Cellular Change | |
| | | Hematopoietic Cell Proliferation | Multifocal, Mild |
| | Bile Duct | Hyperplasia | Multifocal, Minimal |
| Lung | | Infiltration Cellular | Histiocyte, Multifocal, Minimal |
| Mammary Gland | | Fibroadenoma | |
| Note: OF THE SKIN | | | |
| Note: MAMMARY GLAND-FIBROADENOMA RATHER THAN A LESION | | | |
| Note: FIBROADENOMA TGLs = 1-12 | | | |
| Nose | Mucosa | Cytoplasmic Alteration | Multifocal, Minimal |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014
Time Report Requested: 14:14:35
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 207

TRT#: 6

SEX: Female

DAY ON TEST: 732

DOSE: 20 PPM LOW F

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

| | |
|-------------------------|----------------|
| Adrenal Gland - Medulla | Clitoral Gland |
|-------------------------|----------------|

OBSERVATIONS

| | | | |
|---------------------------------|---------------|----------------------------|---------------------|
| Eye | Retina | Atrophy | Mild |
| Heart | | Cardiomyopathy | Multifocal, Minimal |
| Liver | | Focal Cellular Change | |
| | | Hepatodiaphragmatic Nodule | |
| | Bile Duct | Hyperplasia | Multifocal, Minimal |
| Note: ANOM HEPAT LOB TGLs = 1-3 | | | |
| Mammary Gland | | Adenocarcinoma | |
| Note: ADENOCARC TGLs = 2-12 | | | |
| Nose | Mucosa | Cytoplasmic Alteration | Multifocal, Minimal |
| Pituitary Gland | Pars Distalis | Adenoma | |
| [Adenoma TGLS = 4-1] | | | |
| Skin | Sebaceous GI | Papilloma | |
| Note: PAPILLOMA TGLs = 3-5 | | | |
| Note: PAPILLOMA TGLs = 3-12 | | | |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014

Time Report Requested: 14:14:35

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 208

TRT#: 6

SEX: Female

DAY ON TEST: 732

DOSE: 20 PPM LOW F

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Brain
Intestine Large - Colon
Intestine Small - Jejunum
Lymph Node - Mesenteric
Pituitary Gland
Stomach - Glandular
Urinary Bladder

Adrenal Gland - Medulla
Clitoral Gland
Intestine Large - Rectum
Islets, Pancreatic
Mammary Gland
Skin
Thymus
Uterus

Bone
Esophagus
Intestine Small - Duodenum
Kidney
Pancreas
Spinal Cord
Thyroid Gland

Bone Marrow
Intestine Large - Cecum
Intestine Small - Ileum
Larynx
Parathyroid Gland
Stomach - Forestomach
Trachea

MISSING

Lymph Node - Mandibular

Salivary Glands

OBSERVATIONS

Eye
Heart
Liver

Sclera

Metaplasia
Cardiomyopathy
Focal Cellular Change
Hepatodiaphragmatic Nodule
Hyperplasia
Leukemia Mononuclear

Osseous, Multifocal, Mild
Multifocal, Minimal

Bile Duct

Leukemia Mononuclear
Cytoplasmic Alteration
Cyst

Multifocal, Mild

Note: FOCAL CELL CH TGLs = 3-3
Note: ANOM HEPAT LOB TGLs = 2-3
Note: LEUKEMIA MONUC TGLs = 3-3

Lung
Nose
Ovary

Mucosa

Note: CYST TGLs = 1-5

Pituitary Gland
Note: PITUITARY-BEST SECTION
Spleen

Leukemia Mononuclear

Multifocal, Minimal
Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014

Time Report Requested: 14:14:35

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 209

TRT#: 6

SEX: Female

DAY ON TEST: 732

DOSE: 20 PPM LOW F

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla
Clitoral Gland
Intestine Large - Rectum
Islets, Pancreatic
Nose
Skin
Stomach - Glandular
Urinary Bladder

Bone
Esophagus
Intestine Small - Duodenum
Larynx
Ovary
Spinal Cord
Thymus
Uterus

Bone Marrow
Intestine Large - Cecum
Intestine Small - Ileum
Lymph Node - Mandibular
Parathyroid Gland
Spleen
Thyroid Gland

Brain
Intestine Large - Colon
Intestine Small - Jejunum
Lymph Node - Mesenteric
Salivary Glands
Stomach - Forestomach
Trachea

OBSERVATIONS

Adrenal Gland
Eye
Heart
Kidney
Liver

Lung
Mammary Gland
Pancreas
Pituitary Gland

Cortex
Sclera

Pelvis

Bile Duct

Duct
Acinus
Pars Distalis

Hyperplasia
Metaplasia
Cardiomyopathy
Mineralization
Focal Cellular Change
Hyperplasia
Infiltration Cellular
Ectasia
Atrophy
Cyst

Focal, Minimal
Osseous, Focal, Minimal
Multifocal, Minimal
Multifocal, Minimal

Multifocal, Minimal
Histiocyte, Multifocal, Minimal
Mild
Focal, Minimal
Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014
Time Report Requested: 14:14:35
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 210

TRT#: 6

SEX: Female

DAY ON TEST: 732

DOSE: 20 PPM LOW F

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Esophagus
Intestine Large - Colon
Intestine Small - Jejunum
Lymph Node - Mandibular
Pituitary Gland
Spleen
Thyroid Gland

Adrenal Gland - Medulla
Eye
Intestine Large - Rectum
Islets, Pancreatic
Lymph Node - Mesenteric
Salivary Glands
Stomach - Forestomach
Trachea

Bone
Heart
Intestine Small - Duodenum
Kidney
Ovary
Skin
Stomach - Glandular
Urinary Bladder

Brain
Intestine Large - Cecum
Intestine Small - Ileum
Larynx
Parathyroid Gland
Spinal Cord
Thymus
Uterus

OBSERVATIONS

Blood Vessel
Bone Marrow
Clitoral Gland
Liver

Aorta

Inflammation
Myelofibrosis
Hyperplasia
Focal Cellular Change

Chronic, Focal, Marked
Multifocal, Minimal
Focal, Mild

Bile Duct

Hyperplasia
Inflammation
Infiltration Cellular

Multifocal, Mild
Chronic, Multifocal, Moderate
Histiocyte, Multifocal, Minimal

Lung
Mammary Gland
Nose
Pancreas

Duct

Ectasia
Cytoplasmic Alteration
Atrophy

Mild
Multifocal, Mild
Focal, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014
Time Report Requested: 14:14:35
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 211

TRT#: 6

SEX: Female

DAY ON TEST: 666

DOSE: 20 PPM LOW F

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|-------------------------|---------------------------|--------------------------|----------------------------|
| Adrenal Gland - Cortex | Bone | Esophagus | Eye |
| Heart | Intestine Large - Colon | Intestine Large - Rectum | Intestine Small - Duodenum |
| Intestine Small - Ileum | Intestine Small - Jejunum | Islets, Pancreatic | Larynx |
| Lymph Node - Mandibular | Mammary Gland | Nose | Ovary |
| Pancreas | Parathyroid Gland | Pituitary Gland | Salivary Glands |
| Skin | Spinal Cord | Stomach - Forestomach | Stomach - Glandular |
| Thymus | Thyroid Gland | Trachea | Urinary Bladder |

OBSERVATIONS

| | | | |
|---------------------------------------|------------------|-------------------------|----------------------------------|
| Adrenal Gland | Medulla | Pheochromocytoma Benign | Multiple |
| Blood Vessel | Artery | Thrombosis | Marked |
| Bone Marrow | | Hyperplasia | Mild |
| Brain | Cerebrum | Necrosis | Focal, Mild |
| Clitoral Gland | | Inflammation | Chronic Active, Multifocal, Mild |
| Intestine Large | Cecum, Submucosa | Hemorrhage | Marked |
| Kidney | | Nephropathy | Chronic, Multifocal, Moderate |
| Note: NEPHROPATHY TGLs = 4-4 | | | |
| Liver | | Focal Cellular Change | |
| | Bile Duct | Hyperplasia | Multifocal, Mild |
| Note: LIVER-TGL-6-NO COROLLARY LESION | | | |
| Lung | Pleura | Fibrosis | Focal, Moderate |
| | | Pigmentation | Multifocal, Moderate |
| Note: PIGMENT TGLs = 7-6,7 | | | |
| Lymph Node | Mesenteric | Congestion | Marked |
| Spleen | Lymph Follic | Atrophy | Marked |
| | | Congestion | Moderate |
| Note: CONGESTION TGLs = 3-3 | | | |
| Uterus | Endometrium | Cyst | Multiple, Mild |
| | Endometrium | Polyp Stromal | |
| Note: POLYP STROMAL TGLs = 2-5 | | | |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014

Time Report Requested: 14:14:35

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 211

TRT#: 6

SEX: Female

DAY ON TEST: 666

DOSE: 20 PPM LOW F

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Animal Note: FLUID FILLED CAVITIES, ABDOMINAL AND THORACIC. NCL TGL-1

Animal Note: FLUID FILLED CAVITIES, ABDOMINAL AND THORACIC-NCL (TGL-1)

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014

Time Report Requested: 14:14:35

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 212

TRT#: 6

SEX: Female

DAY ON TEST: 706

DOSE: 20 PPM LOW F

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|--------------------------|----------------------------|-------------------------|---------------------------|
| Adrenal Gland - Cortex | Adrenal Gland - Medulla | Bone | Bone Marrow |
| Clitoral Gland | Esophagus | Intestine Large - Cecum | Intestine Large - Colon |
| Intestine Large - Rectum | Intestine Small - Duodenum | Intestine Small - Ileum | Intestine Small - Jejunum |
| Islets, Pancreatic | Larynx | Ovary | Parathyroid Gland |
| Skin | Spinal Cord | Stomach - Forestomach | Stomach - Glandular |
| Thyroid Gland | Trachea | Urinary Bladder | Uterus |

OBSERVATIONS

| | | | |
|---------------------------------|------------|------------------------|------------------------------|
| Brain | | Leukemia Mononuclear | |
| Eye | Sclera | Metaplasia | Osseous, Multifocal, Minimal |
| Heart | Valve | Inflammation | Chronic Active, Marked |
| | | Inflammation | Acute, Multifocal, Moderate |
| | Atrium | Thrombosis | Moderate |
| Kidney | | Bacterium | |
| | | Inflammation | Acute, Multifocal, Marked |
| Liver | | Fatty Change | Mild |
| | Bile Duct | Hyperplasia | Multifocal, Mild |
| | | Leukemia Mononuclear | |
| Note: LEUKEMIA MONUC TGLs = 1-3 | | | |
| Lung | | Leukemia Mononuclear | |
| Lymph Node | Mandibular | Leukemia Mononuclear | |
| | Mesenteric | Leukemia Mononuclear | |
| Mammary Gland | Duct | Ectasia | Moderate |
| Nose | Mucosa | Cytoplasmic Alteration | Multifocal, Mild |
| Pancreas | | Leukemia Mononuclear | |
| Pituitary Gland | | Leukemia Mononuclear | |
| Salivary Glands | | Leukemia Mononuclear | |
| Spleen | | Leukemia Mononuclear | |
| Thymus | | Leukemia Mononuclear | |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014
Time Report Requested: 14:14:35
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 213

TRT#: 6

SEX: Female

DAY ON TEST: 732

DOSE: 20 PPM LOW F

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|--------------------------|----------------------------|-------------------------|---------------------------|
| Bone | Bone Marrow | Clitoral Gland | Esophagus |
| Eye | Heart | Intestine Large - Cecum | Intestine Large - Colon |
| Intestine Large - Rectum | Intestine Small - Duodenum | Intestine Small - Ileum | Intestine Small - Jejunum |
| Larynx | Lymph Node - Mandibular | Lymph Node - Mesenteric | Ovary |
| Pancreas | Parathyroid Gland | Salivary Glands | Skin |
| Spinal Cord | Spleen | Stomach - Forestomach | Stomach - Glandular |
| Thymus | Thyroid Gland | Trachea | Urinary Bladder |
| Uterus | | | |

OBSERVATIONS

| | | | |
|----------------------|---------------|----------------------------|---------------------------------|
| Adrenal Gland | Cortex | Hyperplasia | Multifocal, Moderate |
| | Medulla | Hyperplasia | Focal, Mild |
| Brain | Hypothalamus | Compression | Mild |
| Islets, Pancreatic | | Carcinoma | |
| Kidney | | Nephropathy | Chronic, Multifocal, Mild |
| Note: NEPHROPATHY | TGLs = 2-4 | | |
| Liver | | Focal Cellular Change | |
| | | Hepatodiaphragmatic Nodule | |
| | | Inflammation | Chronic, Multifocal, Minimal |
| Note: ANOM HEPAT LOB | TGLs = 1-3 | | |
| Lung | | Infiltration Cellular | Histiocyte, Multifocal, Minimal |
| Mammary Gland | Duct | Ectasia | Moderate |
| Nose | Mucosa | Cytoplasmic Alteration | Multifocal, Minimal |
| Pituitary Gland | Pars Distalis | Adenoma | |
| Note: ADENOMA | TGLs = 3-1 | | |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014

Time Report Requested: 14:14:35

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 214

TRT#: 6

SEX: Female

DAY ON TEST: 732

DOSE: 20 PPM LOW F

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Clitoral Gland
Intestine Large - Cecum
Intestine Small - Ileum
Larynx
Ovary
Skin
Stomach - Glandular
Urinary Bladder

Bone
Esophagus
Intestine Large - Colon
Intestine Small - Jejunum
Lymph Node - Mandibular
Parathyroid Gland
Spinal Cord
Thymus
Uterus

Bone Marrow
Eye
Intestine Large - Rectum
Islets, Pancreatic
Lymph Node - Mesenteric
Pituitary Gland
Spleen
Thyroid Gland

Brain
Heart
Intestine Small - Duodenum
Kidney
Mammary Gland
Salivary Glands
Stomach - Forestomach
Trachea

OBSERVATIONS

Adrenal Gland
Liver

Lung
Nose
Pancreas

Medulla

Bile Duct

Mucosa
Acinus

Hyperplasia
Focal Cellular Change
Hyperplasia
Infiltration Cellular
Cytoplasmic Alteration
Atrophy

Focal, Mild

Multifocal, Mild
Histiocyte, Multifocal, Minimal
Multifocal, Mild
Diffuse, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014

Time Report Requested: 14:14:35

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 215

TRT#: 6

SEX: Female

DAY ON TEST: 732

DOSE: 20 PPM LOW F

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

| | | | |
|---------|-------------|------------------------|----------------------------------|
| Eye | Sclera | Metaplasia | Osseous, Focal, Minimal |
| Liver | | Focal Cellular Change | |
| | Bile Duct | Hyperplasia | Multifocal, Minimal |
| | | Inflammation | Chronic, Multifocal, Mild |
| Lung | | Infiltration Cellular | Histiocyte, Multifocal, Minimal |
| Nose | Mucosa | Cytoplasmic Alteration | Multifocal, Minimal |
| | | Fungus | Mild |
| | Mucosa | Inflammation | Chronic Active, Multifocal, Mild |
| | Mucosa | Metaplasia | Squamous, Focal, Mild |
| Pharynx | Palate | Ulcer | Mild |
| Uterus | Cervix | Inflammation | Acute, Mild |
| | Endometrium | Polyp Stromal | |

Note: POLYP STROMAL TGLs = 1-12

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014
Time Report Requested: 14:14:35
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 216

TRT#: 6

SEX: Female

DAY ON TEST: 733

DOSE: 20 PPM LOW F

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

| | | | |
|--|---------------|------------------------|------------------------------|
| Adrenal Gland | Cortex | Hyperplasia | Focal, Mild |
| Eye | Sclera | Metaplasia | Osseous, Multifocal, Mild |
| Heart | | Cardiomyopathy | Multifocal, Mild |
| Kidney | | Nephropathy | Chronic, Multifocal, Minimal |
| Liver | Bile Duct | Focal Cellular Change | |
| | | Hyperplasia | Multifocal, Mild |
| | | Inflammation | Chronic, Multifocal, Mild |
| Note: LIVER-ONE OF THE FOCI(MIXED) IS Note: FOCAL CELL CH TGLs = 1-3,3.1 Note: MINIMALLY COMPRESSING | | | |
| Mammary Gland | | Fibroadenoma | |
| Note: FIBROADENOMA TGLs = 2-5 | | | |
| Nose | Mucosa | Cytoplasmic Alteration | Multifocal, Minimal |
| Pituitary Gland | Pars Distalis | Adenoma | |
| Note: ADENOMA TGLs = 3-1 | | | |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014

Time Report Requested: 14:14:35

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 217

TRT#: 6

SEX: Female

DAY ON TEST: 733

DOSE: 20 PPM LOW F

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla
Esophagus
Intestine Large - Colon
Intestine Small - Jejunum
Lung
Ovary
Skin
Stomach - Glandular
Urinary Bladder

Bone
Eye
Intestine Large - Rectum
Islets, Pancreatic
Lymph Node - Mandibular
Pancreas
Spinal Cord
Thymus
Uterus

Bone Marrow
Heart
Intestine Small - Duodenum
Kidney
Lymph Node - Mesenteric
Parathyroid Gland
Spleen
Thyroid Gland

Brain
Intestine Large - Cecum
Intestine Small - Ileum
Larynx
Mammary Gland
Salivary Glands
Stomach - Forestomach
Trachea

MISSING

Clitoral Gland

OBSERVATIONS

Adrenal Gland
Liver

Cortex

Adenoma
Focal Cellular Change
Inflammation

Chronic, Multifocal, Minimal

Nose
Pituitary Gland

Mucosa
Pars Distalis

Cytoplasmic Alteration
Angiectasis

Multifocal, Mild
Focal, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014
Time Report Requested: 14:14:35
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 218

TRT#: 6

SEX: Female

DAY ON TEST: 632

DOSE: 20 PPM LOW F

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

| | | | |
|--|---------------|----------------------------------|---------------------------|
| Eye | Sclera | Metaplasia | Osseous, Multifocal, Mild |
| Heart | | Cardiomyopathy | Multifocal, Minimal |
| Intestine Large | Cecum | Inflammation | Acute, Moderate |
| Liver | | Focal Cellular Change | |
| | Bile Duct | Hyperplasia | Multifocal, Mild |
| | Centrilobular | Necrosis | Acute, Moderate |
| Note: NECROSIS TGLs = 3-3 | | | |
| Nose | Mucosa | Cytoplasmic Alteration | Multifocal, Minimal |
| Ovary | | Cyst | |
| Pancreas | | Necrosis | Acute, Multifocal, Marked |
| Skin | | | |
| Note: TGL-1-NCL | | | |
| Note: SEEN GROSSLY IN SKIN AND FAT OF SUBCUTIS | | | |
| Note: SKIN-NO CORRESPONDING LESION TO YELLOW COLOR | | | |
| Spleen | | Hematopoietic Cell Proliferation | Mild |
| Uterus | | Abscess | Moderate |
| Note: ABSCESS TGLs = 2-5 | | | |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014

Time Report Requested: 14:14:35

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 219

TRT#: 6

SEX: Female

DAY ON TEST: 733

DOSE: 20 PPM LOW F

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Clitoral Gland

OBSERVATIONS

| | | | |
|---|---------------|-------------------------|---------------------------------|
| Adrenal Gland | Medulla | Pheochromocytoma Benign | |
| Eye | Sclera | Metaplasia | Osseous, Multifocal, Minimal |
| Liver | | Focal Cellular Change | |
| | Bile Duct | Hyperplasia | Multifocal, Mild |
| | | Inflammation | Chronic, Multifocal, Mild |
| Lung | | Infiltration Cellular | Histiocyte, Multifocal, Minimal |
| Mammary Gland | | Fibroadenoma | |
| Note: INVOLVING THE CLITORIAL GLAND. | | | |
| Note: MAMMARY GLAND FIBROADENOMA RATHER THAN A MASS | | | |
| Note: FIBROADENOMA TGLs = 1-12 | | | |
| Nose | Mucosa | Cytoplasmic Alteration | Multifocal, Minimal |
| Pituitary Gland | Pars Distalis | Cyst | Mild |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014
Time Report Requested: 14:14:35
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 220

TRT#: 6

SEX: Female

DAY ON TEST: 733

DOSE: 20 PPM LOW F

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|-------------------------|---------------------------|--------------------------|----------------------------|
| Bone | Brain | Clitoral Gland | Esophagus |
| Intestine Large - Cecum | Intestine Large - Colon | Intestine Large - Rectum | Intestine Small - Duodenum |
| Intestine Small - Ileum | Intestine Small - Jejunum | Islets, Pancreatic | Larynx |
| Ovary | Pancreas | Parathyroid Gland | Salivary Glands |
| Skin | Spinal Cord | Stomach - Forestomach | Stomach - Glandular |
| Thymus | Thyroid Gland | Trachea | Urinary Bladder |
| Uterus | | | |

OBSERVATIONS

| | | | |
|--------------------------------------|------------|------------------------------|---------------------------------|
| Adrenal Gland | Cortex | Degeneration | Multifocal, Mild |
| | Cortex | Hyperplasia | Focal, Marked |
| | Medulla | Leukemia Mononuclear | |
| Bone Marrow | | Leukemia Mononuclear | |
| | | Myelofibrosis | Multifocal, Minimal |
| Eye | Sclera | Metaplasia | Osseous, Focal, Minimal |
| Heart | | Cardiomyopathy | Multifocal, Mild |
| Kidney | | Cyst | Mild |
| Note: CYST TGLs = 3-4 | | | |
| Liver | | Focal Cellular Change | |
| | Bile Duct | Hyperplasia | Multifocal, Moderate |
| | | Hyperplasia | Multifocal, Moderate |
| | | Leukemia Mononuclear | |
| Note: HYPERPLASIA TGLs = 4-3 | | | |
| Note: LEUKEMIA MONUC TGLs = 4-3 | | | |
| Note: HYPERPLASIA TGLs = 4-3 | | | |
| Lung | | Alveolar/Bronchiolar Adenoma | |
| | | Infiltration Cellular | Histiocyte, Multifocal, Minimal |
| Note: ALV BRON ADEN TGLs = 5-12 | | | |
| Lymph Node | Mandibular | Leukemia Mononuclear | |
| | Mesenteric | Leukemia Mononuclear | |
| Mammary Gland | Duct | Ectasia | Mild |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014
Time Report Requested: 14:14:35
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 220

TRT#: 6

SEX: Female

DAY ON TEST: 733

DOSE: 20 PPM LOW F

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Note: FIBROADENOMA TGLs = 1-13
Nose
Pituitary Gland
[Adenoma TGLS = 6-1]
Spleen
Note: LEUKEMIA MONUC TGLs = 2-3

Mucosa
Pars Distalis

Fibroadenoma

Cytoplasmic Alteration
Adenoma

Multifocal, Mild

Leukemia Mononuclear

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014
Time Report Requested: 14:14:35
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 221

TRT#: 6

SEX: Female

DAY ON TEST: 733

DOSE: 20 PPM LOW F

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|----------------------------|-------------------------|---------------------------|--------------------------|
| Bone | Bone Marrow | Brain | Esophagus |
| Eye | Intestine Large - Cecum | Intestine Large - Colon | Intestine Large - Rectum |
| Intestine Small - Duodenum | Intestine Small - Ileum | Intestine Small - Jejunum | Islets, Pancreatic |
| Kidney | Larynx | Lung | Lymph Node - Mandibular |
| Lymph Node - Mesenteric | Ovary | Pancreas | Parathyroid Gland |
| Pituitary Gland | Salivary Glands | Skin | Spinal Cord |
| Stomach - Forestomach | Stomach - Glandular | Thymus | Thyroid Gland |
| Trachea | Urinary Bladder | Uterus | |

MISSING

Clitoral Gland

OBSERVATIONS

| | | | |
|--------------------|----------------|------------------------|---------------------------|
| Heart | | Cardiomyopathy | Multifocal, Minimal |
| Liver | | Focal Cellular Change | |
| | Bile Duct | Hyperplasia | Multifocal, Mild |
| | | Inflammation | Chronic, Multifocal, Mild |
| | | Fibroadenoma | |
| Mammary Gland | | | |
| Note: FIBROADENOMA | TGLs = 1-5 | | |
| Nose | Mucosa | Cytoplasmic Alteration | Multifocal, Minimal |
| | Nasolacrim Dct | Inflammation | Chronic, Minimal |
| Spleen | Lymph Follic | Hyperplasia | Focal, Moderate |
| Note: HYPERPLASIA | TGLs = 2-3 | | |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014
Time Report Requested: 14:14:35
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 222

TRT#: 6

SEX: Female

DAY ON TEST: 733

DOSE: 20 PPM LOW F

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

| | |
|----------------|---------------|
| Clitoral Gland | Mammary Gland |
|----------------|---------------|

OBSERVATIONS

| | | | |
|---------------------------------|----------------|----------------------------|------------------------------|
| Adrenal Gland | Cortex | Degeneration | Focal, Minimal |
| Brain | Hypothalamus | Compression | Moderate |
| Kidney | | Nephropathy | Chronic, Multifocal, Minimal |
| Liver | | Hepatodiaphragmatic Nodule | Minimal |
| | | Inflammation | Chronic, Multifocal, Mild |
| Note: ANOM HEPAT LOB TGLs = 2-3 | | | |
| Lung | Alveolar Epith | Hyperplasia | Focal, Mild |
| Note: HYPERPLASIA TGLs = 1-6.1 | | | |
| Nose | Mucosa | Cytoplasmic Alteration | Multifocal, Mild |
| Pituitary Gland | Pars Distalis | Carcinoma | |
| Note: CARCINOMA TGLs = 3-1 | | | |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014
Time Report Requested: 14:14:35
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 223

TRT#: 6

SEX: Female

DAY ON TEST: 733

DOSE: 20 PPM LOW F

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

| | | | |
|-----------------|---------------|------------------------|-------------------------------|
| Adrenal Gland | Cortex | Degeneration | Focal, Mild |
| | Cortex | Hematocyst | Mild |
| Clitoral Gland | | Inflammation | Chronic, Multifocal, Minimal |
| Eye | Sclera | Metaplasia | Osseous, Multifocal, Minimal |
| Heart | | Cardiomyopathy | Multifocal, Mild |
| Liver | | Focal Cellular Change | |
| | Bile Duct | Hyperplasia | Multifocal, Minimal |
| | | Inflammation | Chronic, Multifocal, Moderate |
| Nose | Mucosa | Cytoplasmic Alteration | Multifocal, Mild |
| Pituitary Gland | Pars Distalis | Adenoma | |

[Adenoma TGLS = 1-1]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014
Time Report Requested: 14:14:35
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 224

TRT#: 6

SEX: Female

DAY ON TEST: 733

DOSE: 20 PPM LOW F

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Thymus

OBSERVATIONS

| | | | |
|---------------|-------------|------------------------|------------------------------|
| Adrenal Gland | Cortex | Hematocyst | Focal, Mild |
| Eye | Sclera | Metaplasia | Osseous, Multifocal, Mild |
| Heart | | Cardiomyopathy | Multifocal, Minimal |
| Kidney | | Nephropathy | Chronic, Multifocal, Minimal |
| Liver | | Focal Cellular Change | |
| | Bile Duct | Hyperplasia | Multifocal, Mild |
| | | Inflammation | Chronic, Multifocal, Mild |
| Nose | Mucosa | Cytoplasmic Alteration | Multifocal, Minimal |
| Uterus | Endometrium | Cyst | Multiple, Mild |
| | Cervix | Dilatation | Moderate |

Note: CYST TGLs = 1-5

Note: DILATATION TGLs = 2-12

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014
Time Report Requested: 14:14:35
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 225

TRT#: 6

SEX: Female

DAY ON TEST: 733

DOSE: 20 PPM LOW F

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Ear

OBSERVATIONS

| | | | |
|--|---------------|------------------------|------------------------------|
| Adrenal Gland | Medulla | Hyperplasia | Focal, Mild |
| Brain | | | |
| Note: BRAIN-DAMAGED AT NECROPSY. BEST SECTION. | | | |
| Eye | Sclera | Metaplasia | Osseous, Focal, Minimal |
| Heart | | Cardiomyopathy | Multifocal, Minimal |
| Kidney | | Nephropathy | Chronic, Multifocal, Minimal |
| Liver | | Focal Cellular Change | |
| | Bile Duct | Hyperplasia | Multifocal, Mild |
| | | Inflammation | Chronic, Multifocal, Mild |
| Mammary Gland | Duct | Ectasia | Mild |
| Nose | Mucosa | Cytoplasmic Alteration | Multifocal, Minimal |
| Pituitary Gland | Pars Distalis | Adenoma | |
| Note: ADENOMA TGLs = 1-1 | | | |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014
Time Report Requested: 14:14:35
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 226

TRT#: 6

SEX: Female

DAY ON TEST: 578

DOSE: 20 PPM LOW F

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|---------------------------|--------------------------|----------------------------|-------------------------|
| Adrenal Gland - Cortex | Adrenal Gland - Medulla | Bone | Brain |
| Clitoral Gland | Esophagus | Heart | Intestine Large - Cecum |
| Intestine Large - Colon | Intestine Large - Rectum | Intestine Small - Duodenum | Intestine Small - Ileum |
| Intestine Small - Jejunum | Islets, Pancreatic | Larynx | Lymph Node - Mandibular |
| Mammary Gland | Nose | Parathyroid Gland | Salivary Glands |
| Spinal Cord | Thymus | Thyroid Gland | Trachea |
| Urinary Bladder | | | |

OBSERVATIONS

| | | | |
|-----------------------------------|-----------------|--------------------------------|-------------------------|
| Bone Marrow | | Lymphoma Malignant Histiocytic | |
| Eye | Retina | Atrophy | Moderate |
| | Sclera | Metaplasia | Osseous, Focal, Minimal |
| Harderian Gland | | Inflammation | Acute, Marked |
| Note: INFLAMMATION TGLs = 2-13 | | | |
| Kidney | | Lymphoma Malignant Histiocytic | |
| Note: LYMPH MAL HIST TGLs = 4-4 | | | |
| Liver | | Fatty Change | Marked |
| | | Lymphoma Malignant Histiocytic | |
| Note: LYMPH MAL HIST TGLs = 5-3 | | | |
| Note: FATTY CHANGE TGLs = 5-3 | | | |
| Lung | Interstitialium | Inflammation | Chronic, Diffuse, Mild |
| | | Lymphoma Malignant Histiocytic | |
| Note: INFLAMMATION TGLs = 6-7 | | | |
| Note: LYMPH MAL HIST TGLs = 6-6,7 | | | |
| Lymph Node | Mesenteric | Lymphoma Malignant Histiocytic | |
| Note: LYMPH MAL HIST TGLs = 8-8 | | | |
| Ovary | | Lymphoma Malignant Histiocytic | |
| Note: LYMPH MAL HIST TGLs = 3-15 | | | |
| Pancreas | | Lymphoma Malignant Histiocytic | |
| Pituitary Gland | Pars Distalis | Adenoma | |
| Skin | | Ulcer | Marked |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014
Time Report Requested: 14:14:35
First Dose M/F: NA / NA
Lab: MBA

| | | | |
|-----------------------|---------------------------|--------------------|-------------------------|
| ANIMAL ID: 226 | TRT#: 6 | SEX: Female | DAY ON TEST: 578 |
| | DOSE: 20 PPM LOW F | DISP: Dead | HISTO: |

ORGAN AND ACCOUNTABLE SITE STATUS

| | | | |
|---|------------|----------------------------------|----------|
| Note: ULCER | TGLs = 1-5 | | |
| Spleen | | Hematopoietic Cell Proliferation | Mild |
| | | Lymphoma Malignant Histiocytic | |
| Stomach | | Glandular | Ulcer |
| | | | Mild |
| Note: ULCER | TGLs = 7-8 | | |
| Note: 1991 CONVERSION DISCREPANCY. ORIGINAL DIAGNOSIS SITE NOT SPECIFIED. | | | |
| Tooth | | Abscess | Moderate |
| Uterus | | Lymphoma Malignant Histiocytic | |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014
Time Report Requested: 14:14:35
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 227

TRT#: 6

SEX: Female

DAY ON TEST: 733

DOSE: 20 PPM LOW F

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla
Clitoral Gland
Intestine Large - Rectum
Islets, Pancreatic
Mammary Gland
Salivary Glands
Stomach - Forestomach
Trachea

Bone
Esophagus
Intestine Small - Duodenum
Kidney
Ovary
Skin
Stomach - Glandular
Urinary Bladder

Bone Marrow
Intestine Large - Cecum
Intestine Small - Ileum
Larynx
Pancreas
Spinal Cord
Thymus

Brain
Intestine Large - Colon
Intestine Small - Jejunum
Lymph Node - Mesenteric
Parathyroid Gland
Spleen
Thyroid Gland

OBSERVATIONS

Adrenal Gland
Eye
Heart
Liver

Cortex
Sclera

Hyperplasia
Metaplasia
Cardiomyopathy
Focal Cellular Change
Hepatodiaphragmatic Nodule

Focal, Mild
Osseous, Multifocal, Minimal
Multifocal, Moderate

Note: ANOM HEPAT LOB TGLs = 2-3
Lung

Alveolar/Bronchiolar Adenoma
Infiltration Cellular

Histiocyte, Multifocal, Minimal

Note: ALV BRON ADEN TGLs = 3-13

Lymph Node
Nose
Pituitary Gland

Mandibular
Mucosa
Pars Distalis

Degeneration
Inflammation
Adenoma

Cystic, Focal, Minimal
Subacute, Multifocal, Mild

[Adenoma TGLS = 4-1]

Uterus
Note: POLYP STROMAL TGLs = 1-5

Endometrium

Polyp Stromal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014

Time Report Requested: 14:14:35

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 228

TRT#: 6

SEX: Female

DAY ON TEST: 733

DOSE: 20 PPM LOW F

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex

Adrenal Gland - Medulla

Bone Marrow

Brain

Esophagus

Intestine Large - Cecum

Intestine Large - Colon

Intestine Large - Rectum

Intestine Small - Duodenum

Intestine Small - Ileum

Intestine Small - Jejunum

Islets, Pancreatic

Kidney

Larynx

Lymph Node - Mandibular

Lymph Node - Mesenteric

Ovary

Pancreas

Parathyroid Gland

Salivary Glands

Skin

Spinal Cord

Spleen

Stomach - Forestomach

Stomach - Glandular

Thymus

Thyroid Gland

Trachea

Urinary Bladder

Uterus

OBSERVATIONS

Bone

Hyperostosis

Moderate

Clitoral Gland

Inflammation

Chronic Active, Multifocal, Minimal

Eye

Sclera

Metaplasia

Osseous, Focal, Minimal

Heart

Cardiomyopathy

Multifocal, Mild

Liver

Focal Cellular Change

Hepatodiaphragmatic Nodule

Note: ANOM HEPAT LOB TGLs = 1-3

Lung

Infiltration Cellular

Histiocyte, Multifocal, Minimal

Mammary Gland

Duct

Ectasia

Mild

Nose

Mucosa

Cytoplasmic Alteration

Multifocal, Minimal

Mucosa

Inflammation

Subacute, Multifocal, Mild

Pituitary Gland

Pars Distalis

Adenoma

Note: ADENOMA TGLs = 2-1

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014
Time Report Requested: 14:14:35
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 229

TRT#: 6

SEX: Female

DAY ON TEST: 733

DOSE: 20 PPM LOW F

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

| | | | |
|---------------|-----------|-----------------------|-------------------------------|
| Eye | Lens | Cataract | Mild |
| | Sclera | Metaplasia | Osseous, Multifocal, Mild |
| Heart | | Cardiomyopathy | Multifocal, Mild |
| Liver | | Focal Cellular Change | |
| | Bile Duct | Hyperplasia | Multifocal, Mild |
| Mammary Gland | Duct | Ectasia | Mild |
| Nose | Mucosa | Inflammation | Subacute, Multifocal, Minimal |
| Ovary | | Cyst | |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014
Time Report Requested: 14:14:35
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 230

TRT#: 6

SEX: Female

DAY ON TEST: 733

DOSE: 20 PPM LOW F

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

| | | | |
|-----------------|---------------|------------------------|----------------------------------|
| Heart | | Cardiomyopathy | Multifocal, Minimal |
| Liver | | Focal Cellular Change | |
| | Bile Duct | Hyperplasia | Multifocal, Mild |
| Nose | Mucosa | Cytoplasmic Alteration | Multifocal, Minimal |
| | Mucosa | Inflammation | Chronic Active, Multifocal, Mild |
| Pancreas | Acinus | Atrophy | Focal, Minimal |
| Pituitary Gland | Pars Distalis | Adenoma | |
| Note: ADENOMA | TGLs = 1-1 | | |
| Thyroid Gland | C Cell | Adenoma | |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014

Time Report Requested: 14:14:35

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 231

TRT#: 6

SEX: Female

DAY ON TEST: 732

DOSE: 20 PPM LOW F

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

| | | | |
|-----------------|---------------|------------------------|--------------------------------------|
| Adrenal Gland | Cortex | Hyperplasia | Focal, Mild |
| | Medulla | Hyperplasia | Multifocal, Mild |
| Clitoral Gland | | Adenoma | |
| | | Inflammation | Chronic Active, Multifocal, Moderate |
| Heart | | Cardiomyopathy | Multifocal, Minimal |
| Kidney | | Nephropathy | Chronic, Multifocal, Mild |
| Liver | | Focal Cellular Change | |
| | Bile Duct | Hyperplasia | Multifocal, Minimal |
| | | Inflammation | Chronic, Multifocal, Mild |
| Mammary Gland | Duct | Ectasia | Mild |
| Note: ECTASIA | TGLs = 2-5 | | |
| Nose | Mucosa | Cytoplasmic Alteration | Multifocal, Mild |
| Pituitary Gland | Pars Distalis | Adenoma | |
| Note: ADENOMA | TGLs = 1-1 | | |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014
Time Report Requested: 14:14:35
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 232

TRT#: 6

SEX: Female

DAY ON TEST: 732

DOSE: 20 PPM LOW F

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

| | | | |
|---|---------------|------------------------|-------------------------|
| Adrenal Gland | Cortex | Degeneration | Multifocal, Mild |
| Clitoral Gland | | Hyperplasia | Focal, Moderate |
| Eye | Retina | Atrophy | Moderate |
| | Sclera | Metaplasia | Osseous, Focal, Minimal |
| Kidney | Pelvis | Mineralization | Multifocal, Mild |
| Liver | | Focal Cellular Change | |
| | Bile Duct | Hyperplasia | Multifocal, Mild |
| | | Leukemia Mononuclear | |
| Note: LEUKEMIA MONUC TGLs = 2-3 [Hyperplasia TGLS = 2-3] | | | |
| Lung | | Leukemia Mononuclear | |
| Mammary Gland | | Fibroadenoma | |
| Note: FIBROADENOMA TGLs = 3-12 | | | |
| Nose | Mucosa | Cytoplasmic Alteration | Multifocal, Minimal |
| Pituitary Gland | Pars Distalis | Adenoma | |
| [Adenoma TGLS = 4-1] | | | |
| Spleen | | Leukemia Mononuclear | |
| Note: LEUKEMIA MONUC TGLs = 1-3 | | | |
| Thyroid Gland | C Cell | Hyperplasia | Focal, Mild |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014

Time Report Requested: 14:14:35

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 233

TRT#: 6

SEX: Female

DAY ON TEST: 340

DOSE: 20 PPM LOW F

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Esophagus
Intestine Large - Colon
Intestine Small - Jejunum
Lung
Ovary
Skin
Stomach - Glandular
Urinary Bladder

Adrenal Gland - Medulla
Eye
Intestine Large - Rectum
Islets, Pancreatic
Lymph Node - Mesenteric
Pancreas
Spinal Cord
Thymus
Uterus

Bone
Heart
Intestine Small - Duodenum
Larynx
Mammary Gland
Parathyroid Gland
Spleen
Thyroid Gland

Bone Marrow
Intestine Large - Cecum
Intestine Small - Ileum
Liver
Nose
Salivary Glands
Stomach - Forestomach
Trachea

MISSING

Clitoral Gland

OBSERVATIONS

Brain Hypothalamus
Kidney
Lymph Node Mandibular
Pituitary Gland Pars Distalis

Compression
Nephropathy
Pigmentation
Adenoma

Marked
Chronic, Multifocal, Mild
Mild

Note: COMPRESSED THE HYPOTHALAMUS AND WAS THE CAUSE OF DEATH

Note: ADENOMA TGLs = 1-1

Note: PITUITARY-THE LARGER ADENOMA EXTENSIVELY

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014
Time Report Requested: 14:14:35
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 234

TRT#: 6

SEX: Female

DAY ON TEST: 732

DOSE: 20 PPM LOW F

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

| | | |
|-----------|-------------------|-------------|
| Esophagus | Parathyroid Gland | Spinal Cord |
|-----------|-------------------|-------------|

OBSERVATIONS

| | | | |
|-----------------|---------------|------------------------|---------------------------|
| Adrenal Gland | Cortex | Degeneration | Focal, Mild |
| Eye | Retina | Atrophy | Moderate |
| | Lens | Cataract | Mild |
| Liver | | Focal Cellular Change | |
| | Bile Duct | Hyperplasia | Multifocal, Mild |
| | | Inflammation | Chronic, Multifocal, Mild |
| Mammary Gland | Duct | Ectasia | Mild |
| Nose | Mucosa | Cytoplasmic Alteration | Multifocal, Minimal |
| Pituitary Gland | Pars Distalis | Adenoma | |

Note: ADENOMA TGLs = 1-1

PRIMARY CAUSE OF DEATH

-

Animal Note: PROCESSOR MALFUNCTION

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014

Time Report Requested: 14:14:35

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 235

TRT#: 6

SEX: Female

DAY ON TEST: 732

DOSE: 20 PPM LOW F

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|-------------------------|---------------------------|--------------------------|----------------------------|
| Bone | Bone Marrow | Esophagus | Heart |
| Intestine Large - Cecum | Intestine Large - Colon | Intestine Large - Rectum | Intestine Small - Duodenum |
| Intestine Small - Ileum | Intestine Small - Jejunum | Larynx | Lung |
| Lymph Node - Mandibular | Lymph Node - Mesenteric | Ovary | Pancreas |
| Salivary Glands | Skin | Spinal Cord | Spleen |
| Stomach - Forestomach | Stomach - Glandular | Thymus | Thyroid Gland |
| Trachea | Urinary Bladder | Uterus | |

MISSING

| | |
|----------------|-------------------|
| Clitoral Gland | Parathyroid Gland |
|----------------|-------------------|

OBSERVATIONS

| | | | |
|--------------------|--------------|-------------------------|-------------------------------|
| Adrenal Gland | Cortex | Degeneration | Focal, Mild |
| | Medulla | Pheochromocytoma Benign | |
| Brain | Hypothalamus | Compression | Mild |
| Eye | Retina | Atrophy | Minimal |
| Islets, Pancreatic | | Hyperplasia | Focal, Mild |
| Kidney | | Nephropathy | Chronic, Multifocal, Moderate |
| Liver | | Focal Cellular Change | |
| | | Inflammation | Chronic, Multifocal, Minimal |

Note: INFLAMMATION TGLs = 3-3

Note: LIVER-AREAS OF CELLULAR CHANGE WITH FATTY DEGENERATION

[Inflammation TGLS = 3-3]

Mammary Gland

Adenoma
Fibroadenoma

Note: FIBROADENOMA TGLs = 1-13

Note: ADENOMA TGLs = 2-12

| | | | |
|-----------------|---------------|------------------------|---------------------|
| Nose | Mucosa | Cytoplasmic Alteration | Multifocal, Minimal |
| Pituitary Gland | Pars Distalis | Adenoma | |

Note: ADENOMA TGLs = 4-1

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014

Time Report Requested: 14:14:35

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 235

TRT#: 6

SEX: Female

DAY ON TEST: 732

DOSE: 20 PPM LOW F

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Animal Note: PROCESSOR MALFUNCTION

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014

Time Report Requested: 14:14:35

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 236

TRT#: 6

SEX: Female

DAY ON TEST: 732

DOSE: 20 PPM LOW F

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Brain
Intestine Large - Rectum
Islets, Pancreatic
Lymph Node - Mandibular
Pancreas
Spleen
Trachea

Adrenal Gland - Medulla
Esophagus
Intestine Small - Duodenum
Kidney
Mammary Gland
Salivary Glands
Stomach - Forestomach
Urinary Bladder

Bone
Intestine Large - Cecum
Intestine Small - Ileum
Larynx
Nose
Skin
Stomach - Glandular
Uterus

Bone Marrow
Intestine Large - Colon
Intestine Small - Jejunum
Lung
Ovary
Spinal Cord
Thyroid Gland

MISSING

Clitoral Gland

Lymph Node - Mesenteric

Parathyroid Gland

Thymus

OBSERVATIONS

Eye

Retina
Lens

Atrophy
Cataract
Cardiomyopathy
Focal Cellular Change
Inflammation
Angiectasis

Mild
Mild
Multifocal, Mild
Chronic, Multifocal, Mild
Focal, Mild

Heart
Liver

Pituitary Gland

Pars Distalis

Note: ANGIECTASIS TGLs = 1-1

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014
Time Report Requested: 14:14:35
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 237

TRT#: 6

SEX: Female

DAY ON TEST: 624

DOSE: 20 PPM LOW F

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

| | | | |
|--|---------------|-----------------------|-------------------------------------|
| Adrenal Gland | Cortex | Hyperplasia | Focal, Mild |
| Brain | Pons | Carcinoma | Metastatic (Uncertain Primary Site) |
| | Hypothalamus | Compression | Marked |
| Kidney | | Nephropathy | Chronic, Multifocal, Mild |
| Liver | Bile Duct | Hyperplasia | Multifocal, Mild |
| | | Inflammation | Chronic, Multifocal, Mild |
| Lung | | Infiltration Cellular | Histiocyte, Multifocal, Minimal |
| Note: 6-7 LUNG-TGL-4-NO CORROLLARY LESION | | | |
| Mammary Gland | Duct | Ectasia | Moderate |
| | Acinus | Hyperplasia | Focal, Marked |
| Mesentery | Fat | Necrosis | Moderate |
| Note: FATTY TISSUE PROBABLY MESENTERY ADHERED TO THE DIAPHRAGM | | | |
| Note: NECROSIS TGLs = 2-12 | | | |
| Note: 12-MESENTERY-THE MASS OF THE DIAPHROGM ACTUALLY INVOLVED | | | |
| Pituitary Gland | Pars Distalis | Carcinoma | |
| Note: CARCINOMA TGLs = 3-1 | | | |
| Spleen | | | |
| Note: SPLEEN-TGL-1-NO CORROLLARY LESION | | | |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014
Time Report Requested: 14:14:35
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 238

TRT#: 6

SEX: Female

DAY ON TEST: 732

DOSE: 20 PPM LOW F

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Pituitary Gland

OBSERVATIONS

| | | | |
|--|----------------|------------------------|---------------------------|
| Bone | | Hyperostosis | Moderate |
| Brain | | | |
| Note: EXTENSIVE DAMAGE AT NECROPSY. | | | |
| Note: BRAIN-BEST SECTION OF BRAIN AS THERE WAS | | | |
| Eye | Retina | Atrophy | Mild |
| | Sclera | Metaplasia | Osseous, Focal, Minimal |
| Heart | | Cardiomyopathy | Multifocal, Mild |
| Kidney | | Nephropathy | Chronic, Multifocal, Mild |
| Liver | | Focal Cellular Change | |
| | Bile Duct | Hyperplasia | Multifocal, Mild |
| Mammary Gland | Duct | Ectasia | Mild |
| Nose | Mucosa | Cytoplasmic Alteration | Multifocal, Mild |
| Thyroid Gland | Follicular Cel | Adenoma | |
| Urinary Bladder | | Leiomyoma | |
| Note: LEIOMYOMA TGLs = 1-4 | | | |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014
Time Report Requested: 14:14:35
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 239

TRT#: 6

SEX: Female

DAY ON TEST: 732

DOSE: 20 PPM LOW F

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|---------------------------|--------------------------|----------------------------|-------------------------|
| Bone | Bone Marrow | Brain | Clitoral Gland |
| Esophagus | Harderian Gland | Heart | Intestine Large - Cecum |
| Intestine Large - Colon | Intestine Large - Rectum | Intestine Small - Duodenum | Intestine Small - Ileum |
| Intestine Small - Jejunum | Islets, Pancreatic | Kidney | Larynx |
| Lymph Node - Mandibular | Lymph Node - Mesenteric | Ovary | Pancreas |
| Parathyroid Gland | Pituitary Gland | Salivary Glands | Skin |
| Spinal Cord | Spleen | Stomach - Forestomach | Stomach - Glandular |
| Thymus | Thyroid Gland | Trachea | Urinary Bladder |
| Uterus | | | |

MISSING

| | |
|------------------------|-------------------------|
| Adrenal Gland - Cortex | Adrenal Gland - Medulla |
|------------------------|-------------------------|

OBSERVATIONS

| | | | |
|---------------------|--------------|------------------------------|---------------------------------|
| Eye | Retina | Atrophy | Moderate |
| | Lens | Cataract | Marked |
| | Sclera | Metaplasia | Osseous, Multifocal, Mild |
| Liver | | Focal Cellular Change | |
| | Bile Duct | Hyperplasia | Multifocal, Mild |
| | | Inflammation | Chronic, Multifocal, Moderate |
| Note: FOCAL CELL CH | TGLs = 3-3 | | |
| Note: INFLAMMATION | TGLs = 3-3 | | |
| Lung | | Alveolar/Bronchiolar Adenoma | |
| | | Infiltration Cellular | Histiocyte, Multifocal, Minimal |
| Note: ALV BRON ADEN | TGLs = 4-12 | | |
| Mammary Gland | | Fibroadenoma | Multiple |
| Note: FIBROADENOMA | TGLs = 1,2-5 | | |
| Nose | Mucosa | Cytoplasmic Alteration | Multifocal, Mild |

PRIMARY CAUSE OF DEATH

-

Animal Note: PROCESSOR MALFUNCTION

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014
Time Report Requested: 14:14:35
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 240

TRT#: 6

SEX: Female

DAY ON TEST: 669

DOSE: 20 PPM LOW F

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|---------------------------|--------------------------|----------------------------|-------------------------|
| Adrenal Gland - Cortex | Bone | Brain | Clitoral Gland |
| Esophagus | Eye | Heart | Intestine Large - Cecum |
| Intestine Large - Colon | Intestine Large - Rectum | Intestine Small - Duodenum | Intestine Small - Ileum |
| Intestine Small - Jejunum | Islets, Pancreatic | Larynx | Ovary |
| Pancreas | Parathyroid Gland | Skin | Spinal Cord |
| Stomach - Forestomach | Stomach - Glandular | Thymus | Thyroid Gland |
| Trachea | | | |

MISSING

Urinary Bladder

OBSERVATIONS

| | | | |
|---------------------------------|---------------|------------------------|-------------------|
| Adrenal Gland | Medulla | Hyperplasia | Focal, Minimal |
| Bone Marrow | | Leukemia Mononuclear | |
| Eye | | | |
| Note: EYE-BEST SECTION | | | |
| Kidney | Renal Tubule | Pigmentation | Moderate |
| Liver | | Fatty Change | Marked |
| | Bile Duct | Hyperplasia | Multifocal, Mild |
| | | Hyperplasia | Multifocal, Mild |
| | | Leukemia Mononuclear | |
| Note: FATTY CHANGE TGLs = 3-3 | | | |
| Note: LEUKEMIA MONUC TGLs = 3-3 | | | |
| Lung | | Leukemia Mononuclear | |
| Lymph Node | Mandibular | Leukemia Mononuclear | |
| | Mesenteric | Leukemia Mononuclear | |
| Mammary Gland | Duct | Ectasia | Moderate |
| Nose | Mucosa | Cytoplasmic Alteration | Multifocal, Mild |
| Pituitary Gland | Pars Distalis | Adenoma | |
| [Adenoma TGLS = 4-1] | | | |
| Salivary Glands | | Atrophy | Diffuse, Moderate |
| Spleen | | Leukemia Mononuclear | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014
Time Report Requested: 14:14:35
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 240

TRT#: 6

SEX: Female

DAY ON TEST: 669

DOSE: 20 PPM LOW F

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Note: LEUKEMIA MONUC TGLs = 2-3

Uterus

Endometrium

Polyp Stromal

Note: POLYP STROMAL TGLs = 1-5,12

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014

Time Report Requested: 14:14:35

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 241

TRT#: 6

SEX: Female

DAY ON TEST: 732

DOSE: 20 PPM LOW F

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

| | |
|-------------------|--------|
| Parathyroid Gland | Thymus |
|-------------------|--------|

OBSERVATIONS

| | | | |
|---|---------------|------------------------|-------------------------------|
| Adrenal Gland | Cortex | Hematocyst | Mild |
| Note: 1991 CONVERSION DISCREPANCY. ORIGINAL DIAGNOSIS SITE NOT SPECIFIED. | | | |
| Eye | Retina | Atrophy | Mild |
| Heart | | Cardiomyopathy | Multifocal, Minimal |
| Kidney | | Nephropathy | Chronic, Multifocal, Moderate |
| Note: NEPHROPATHY TGLs = 1-4 | | | |
| Liver | | Focal Cellular Change | |
| | | Inflammation | Chronic, Multifocal, Mild |
| Mammary Gland | | Fibroadenoma | |
| Nose | Mucosa | Cytoplasmic Alteration | Multifocal, Mild |
| Pancreas | Acinus | Atrophy | Focal, Mild |
| Pituitary Gland | Pars Distalis | Adenoma | |
| Note: ADENOMA TGLs = 2-1 | | | |
| Uterus | Endometrium | Cyst | Multiple, Minimal |
| | Endometrium | Polyp Stromal | |

PRIMARY CAUSE OF DEATH

-

Animal Note: PROCESSOR MALFUNCTION

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01
 Test Type: CHRONIC
 Route: DOSED FEED
 Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014
 Time Report Requested: 14:14:35
 First Dose M/F: NA / NA
 Lab: MBA

ANIMAL ID: 242

TRT#: 6

SEX: Female

DAY ON TEST: 732

DOSE: 20 PPM LOW F

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|----------------------------|-------------------------|---------------------------|--------------------------|
| Bone | Bone Marrow | Clitoral Gland | Esophagus |
| Heart | Intestine Large - Cecum | Intestine Large - Colon | Intestine Large - Rectum |
| Intestine Small - Duodenum | Intestine Small - Ileum | Intestine Small - Jejunum | Islets, Pancreatic |
| Larynx | Lung | Lymph Node - Mandibular | Ovary |
| Pancreas | Parathyroid Gland | Salivary Glands | Skin |
| Spinal Cord | Stomach - Forestomach | Stomach - Glandular | Thymus |
| Thyroid Gland | Trachea | Urinary Bladder | Uterus |

OBSERVATIONS

| | | | |
|------------------------------|---------------|------------------------|---------------------------|
| Adrenal Gland | Cortex | Degeneration | Multifocal, Mild |
| | Medulla | Hyperplasia | Focal, Mild |
| Brain | Hypothalamus | Compression | Mild |
| Eye | Retina | Atrophy | Moderate |
| | Lens | Cataract | Mild |
| Kidney | | Nephropathy | Chronic, Multifocal, Mild |
| Liver | | Focal Cellular Change | |
| | Bile Duct | Hyperplasia | Multifocal, Moderate |
| | | Leukemia Mononuclear | |
| Note: FOCAL CELL CH | | | |
| TGLs = 2-3 | | | |
| Note: LEUKEMIA MONUC | | | |
| TGLs = 2-3 | | | |
| Lymph Node | Mesenteric | Leukemia Mononuclear | |
| Mammary Gland | Duct | Ectasia | Marked |
| Nose | Mucosa | Cytoplasmic Alteration | Multifocal, Minimal |
| Pancreas | | | |
| Note: PROCESSOR MALFUNCTION. | | | |
| Pituitary Gland | Pars Distalis | Adenoma | |
| Note: ADENOMA | | | |
| TGLs = 3-1 | | | |
| Spleen | | Leukemia Mononuclear | |
| Note: LEUKEMIA MONUC | | | |
| TGLs = 1-3 | | | |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014
Time Report Requested: 14:14:35
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 243

TRT#: 6

SEX: Female

DAY ON TEST: 732

DOSE: 20 PPM LOW F

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Parathyroid Gland

OBSERVATIONS

| | | | |
|---------------|----------------|------------------------|------------------------------|
| Eye | Retina | Atrophy | Mild |
| | Sclera | Metaplasia | Osseous, Multifocal, Minimal |
| Heart | | Cardiomyopathy | Multifocal, Minimal |
| Kidney | | Nephropathy | Chronic, Multifocal, Minimal |
| Liver | | Focal Cellular Change | |
| | Bile Duct | Hyperplasia | Multifocal, Minimal |
| | | Inflammation | Chronic, Multifocal, Mild |
| Mammary Gland | Duct | Ectasia | Moderate |
| Nose | Mucosa | Cytoplasmic Alteration | Multifocal, Mild |
| | Nasolacrim Dct | Inflammation | Chronic, Mild |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014

Time Report Requested: 14:14:35

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 244

TRT#: 6

SEX: Female

DAY ON TEST: 732

DOSE: 20 PPM LOW F

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Clitoral Gland

OBSERVATIONS

| | | | |
|---------------------------------|----------------|----------------------------|---------------------------------|
| Adrenal Gland | Cortex | Degeneration | Focal, Mild |
| Brain | Hypothalamus | Compression | Moderate |
| Eye | Retina | Atrophy | Moderate |
| | Lens | Cataract | Minimal |
| | Sclera | Metaplasia | Osseous, Multifocal, Minimal |
| Liver | | Focal Cellular Change | |
| | | Hepatodiaphragmatic Nodule | |
| | Bile Duct | Hyperplasia | Multifocal, Mild |
| Note: ANOM HEPAT LOB TGLs = 1-3 | | | |
| Lung | | Infiltration Cellular | Histiocyte, Multifocal, Minimal |
| Pituitary Gland | Pars Distalis | Adenoma | |
| Thyroid Gland | Follicular Cel | Carcinoma | |

PRIMARY CAUSE OF DEATH

-

Animal Note: PROCESSOR MALFUNCTION

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014

Time Report Requested: 14:14:35

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 245

TRT#: 6

SEX: Female

DAY ON TEST: 732

DOSE: 20 PPM LOW F

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|--------------------------|----------------------------|-------------------------|---------------------------|
| Adrenal Gland - Cortex | Adrenal Gland - Medulla | Bone | Bone Marrow |
| Brain | Esophagus | Intestine Large - Cecum | Intestine Large - Colon |
| Intestine Large - Rectum | Intestine Small - Duodenum | Intestine Small - Ileum | Intestine Small - Jejunum |
| Islets, Pancreatic | Larynx | Lung | Lymph Node - Mandibular |
| Lymph Node - Mesenteric | Mammary Gland | Ovary | Pancreas |
| Parathyroid Gland | Salivary Glands | Spinal Cord | Spleen |
| Stomach - Forestomach | Stomach - Glandular | Thymus | Thyroid Gland |
| Trachea | | | |

MISSING

Urinary Bladder

OBSERVATIONS

| | | | |
|-----------------------------------|---------------|----------------------------|------------------------------|
| Clitoral Gland | | Inflammation | Chronic, Multifocal, Minimal |
| Eye | Retina | Atrophy | Moderate |
| | Sclera | Metaplasia | Osseous, Focal, Minimal |
| Heart | | Cardiomyopathy | Multifocal, Minimal |
| Kidney | | Nephropathy | Chronic, Multifocal, Minimal |
| Liver | | Focal Cellular Change | |
| | | Hepatodiaphragmatic Nodule | |
| | | Inflammation | Chronic, Multifocal, Minimal |
| Note: ANOM HEPAT LOB TGLs = 2-3 | | | |
| Nose | Mucosa | Cytoplasmic Alteration | Multifocal, Minimal |
| Pituitary Gland | Pars Distalis | Cyst | Mild |
| | Pars Distalis | Hyperplasia | Focal, Mild |
| Skin | | Lipoma | |
| Note: [LIPOMA] TGLs = 2-12,12.1 | | | |
| Uterus | Cervix | Dilatation | Moderate |
| Note: DILATATION TGLs = 1-5 | | | |

PRIMARY CAUSE OF DEATH

-

Animal Note: PROCESSOR MALFUNCTION

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014
Time Report Requested: 14:14:35
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 246

TRT#: 6

SEX: Female

DAY ON TEST: 732

DOSE: 20 PPM LOW F

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|-------------------------|---------------------------|--------------------------|----------------------------|
| Bone | Bone Marrow | Brain | Esophagus |
| Intestine Large - Cecum | Intestine Large - Colon | Intestine Large - Rectum | Intestine Small - Duodenum |
| Intestine Small - Ileum | Intestine Small - Jejunum | Islets, Pancreatic | Larynx |
| Lymph Node - Mandibular | Lymph Node - Mesenteric | Mammary Gland | Ovary |
| Pancreas | Salivary Glands | Spinal Cord | Spleen |
| Stomach - Forestomach | Stomach - Glandular | Thymus | Trachea |
| Urinary Bladder | Uterus | | |

MISSING

Clitoral Gland

OBSERVATIONS

| | | | |
|---|---------------|----------------------------|---------------------------------|
| Adrenal Gland | Cortex | Hematocyst | Mild |
| | Medulla | Hyperplasia | Focal, Minimal |
| Eye | Retina | Atrophy | Mild |
| Heart | | Cardiomyopathy | Multifocal, Mild |
| Kidney | | Nephropathy | Chronic, Multifocal, Minimal |
| Liver | | Focal Cellular Change | |
| | | Hepatodiaphragmatic Nodule | |
| | | Inflammation | Chronic, Multifocal, Minimal |
| Note: ANOM HEPAT LOB TGLs = 1-3 Note: FOCAL CELL CH TGLs = 3-3 | | | |
| Lung | | Infiltration Cellular | Histiocyte, Multifocal, Minimal |
| Nose | Mucosa | Cytoplasmic Alteration | Multifocal, Minimal |
| Parathyroid Gland | | Adenoma | |
| Note: PARATHYROID-ADJACENT TO THYMUS ALSO ADENOMA | | | |
| Pituitary Gland | Pars Distalis | Adenoma | |
| Skin | Subcut Tiss | Lipoma | |
| Note: [LIPOMA] TGLs = 2-12,12.1 | | | |
| Thyroid Gland | C Cell | Hyperplasia | Focal, Moderate |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014

Time Report Requested: 14:14:35

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 247

TRT#: 6

SEX: Female

DAY ON TEST: 590

DOSE: 20 PPM LOW F

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Clitoral Gland
Intestine Large - Rectum
Islets, Pancreatic
Ovary
Spinal Cord
Trachea

Adrenal Gland - Medulla
Esophagus
Intestine Small - Duodenum
Kidney
Pancreas
Stomach - Forestomach
Uterus

Bone
Eye
Intestine Small - Ileum
Larynx
Salivary Glands
Stomach - Glandular

Brain
Intestine Large - Colon
Intestine Small - Jejunum
Nose
Skin
Thyroid Gland

MISSING

Intestine Large - Cecum

Parathyroid Gland

OBSERVATIONS

Bone Marrow
Heart
Liver

Leukemia Mononuclear
Leukemia Mononuclear
Fatty Change
Hyperplasia
Leukemia Mononuclear

Moderate
Multifocal, Moderate

Note: FATTY CHANGE TGLs = 2-3
Note: LEUKEMIA MONUC TGLs = 2-3

Lung

Infiltration Cellular
Leukemia Mononuclear
Leukemia Mononuclear
Leukemia Mononuclear

Histiocyte, Multifocal, Minimal

Lymph Node

Mandibular
Mesenteric

Ectasia
Cyst

Mild
Mild

Mammary Gland

Pituitary Gland

Duct
Pars Distalis

Spleen

Thymus

Urinary Bladder

Leukemia Mononuclear
Leukemia Mononuclear
Leukemia Mononuclear
Leukemia Mononuclear

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014
Time Report Requested: 14:14:35
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 248

TRT#: 6

SEX: Female

DAY ON TEST: 732

DOSE: 20 PPM LOW F

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|----------------------------|-------------------------|---------------------------|--------------------------|
| Bone | Bone Marrow | Brain | Clitoral Gland |
| Esophagus | Intestine Large - Cecum | Intestine Large - Colon | Intestine Large - Rectum |
| Intestine Small - Duodenum | Intestine Small - Ileum | Intestine Small - Jejunum | Islets, Pancreatic |
| Kidney | Larynx | Lymph Node - Mandibular | Ovary |
| Pancreas | Parathyroid Gland | Salivary Glands | Skin |
| Spinal Cord | Spleen | Stomach - Forestomach | Stomach - Glandular |
| Thymus | Thyroid Gland | Trachea | Urinary Bladder |
| Uterus | | | |

OBSERVATIONS

| | | | |
|-----------------|----------------|-------------------------|---------------------------------|
| Adrenal Gland | Cortex | Adenoma | |
| | Cortex | Hyperplasia | Multifocal, Mild |
| | Medulla | Pheochromocytoma Benign | |
| Note: ADENOMA | TGLs = 3-4 | | |
| Eye | Sclera | Metaplasia | Osseous, Multifocal, Mild |
| Heart | | Cardiomyopathy | Multifocal, Minimal |
| Liver | | Focal Cellular Change | |
| | Bile Duct | Hyperplasia | Multifocal, Minimal |
| | | Inflammation | Chronic, Multifocal, Minimal |
| Lung | Alveolar Epith | Hyperplasia | Focal, Marked |
| | | Infiltration Cellular | Histiocyte, Multifocal, Minimal |
| Lymph Node | Mesenteric | Hyperplasia | Lymphoid, Mild |
| Mammary Gland | Duct | Ectasia | Marked |
| Note: ECTASIA | TGLs = 1-5,12 | | |
| Nose | | Foreign Body | Mild |
| Pituitary Gland | Pars Distalis | Adenoma | |
| Note: ADENOMA | TGLs = 2-1 | | |

PRIMARY CAUSE OF DEATH -

Animal Note: PROCESOR MALFUNCTION

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014
Time Report Requested: 14:14:35
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 249

TRT#: 6

SEX: Female

DAY ON TEST: 732

DOSE: 20 PPM LOW F

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|--------------------------|----------------------------|-------------------------|---------------------------|
| Adrenal Gland - Medulla | Bone | Bone Marrow | Brain |
| Esophagus | Eye | Intestine Large - Cecum | Intestine Large - Colon |
| Intestine Large - Rectum | Intestine Small - Duodenum | Intestine Small - Ileum | Intestine Small - Jejunum |
| Islets, Pancreatic | Kidney | Larynx | Lung |
| Lymph Node - Mandibular | Lymph Node - Mesenteric | Mammary Gland | Ovary |
| Pancreas | Parathyroid Gland | Salivary Glands | Skin |
| Spinal Cord | Stomach - Forestomach | Stomach - Glandular | Thymus |
| Thyroid Gland | Trachea | Urinary Bladder | Uterus |

MISSING

Clitoral Gland

OBSERVATIONS

| | | | |
|----------------------|---------------|------------------------|---------------------|
| Adrenal Gland | Cortex | Degeneration | Focal, Moderate |
| | Cortex | Hyperplasia | Focal, Minimal |
| Heart | | Cardiomyopathy | Multifocal, Mild |
| Liver | | Focal Cellular Change | |
| | Bile Duct | Hyperplasia | Multifocal, Mild |
| | | Leukemia Mononuclear | |
| Note: LEUKEMIA MONUC | TGLs = 1-3 | | |
| Note: FOCAL CELL CH | TGLs = 1-3 | | |
| Nose | Mucosa | Cytoplasmic Alteration | Multifocal, Minimal |
| Pituitary Gland | Pars Distalis | Hemorrhage | Mild |
| Spleen | | Leukemia Mononuclear | |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014

Time Report Requested: 14:14:35

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 250

TRT#: 6

SEX: Female

DAY ON TEST: 732

DOSE: 20 PPM LOW F

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|--------------------------|----------------------------|-------------------------|---------------------------|
| Adrenal Gland - Cortex | Bone | Bone Marrow | Brain |
| Clitoral Gland | Esophagus | Intestine Large - Cecum | Intestine Large - Colon |
| Intestine Large - Rectum | Intestine Small - Duodenum | Intestine Small - Ileum | Intestine Small - Jejunum |
| Kidney | Larynx | Lymph Node - Mandibular | Lymph Node - Mesenteric |
| Ovary | Parathyroid Gland | Salivary Glands | Skin |
| Spinal Cord | Spleen | Stomach - Forestomach | Stomach - Glandular |
| Thymus | Trachea | Urinary Bladder | Uterus |

MISSING

| | |
|-----|--------------------|
| Ear | Islets, Pancreatic |
|-----|--------------------|

OBSERVATIONS

| | | | |
|--|----------------|------------------------|---------------------------------|
| Adrenal Gland | Medulla | Hyperplasia | Focal, Marked |
| Eye | Retina | Atrophy | Mild |
| | Sclera | Metaplasia | Osseous, Focal, Minimal |
| Heart | | Cardiomyopathy | Multifocal, Minimal |
| Liver | | Focal Cellular Change | |
| | Bile Duct | Hyperplasia | Multifocal, Minimal |
| | | Hyperplasia | Focal, Moderate |
| Note: [HYPERPLASIA] TGLs = 2-3 | | | |
| Lung | | Infiltration Cellular | Histiocyte, Multifocal, Minimal |
| Mammary Gland | | Fibroadenoma | |
| Note: FIBROADENOMA TGLs = 1-12 | | | |
| Nose | Mucosa | Cytoplasmic Alteration | Multifocal, Minimal |
| | Nasolacrim Dct | Inflammation | Chronic, Minimal |
| Pancreas | Acinus | Atrophy | Multifocal, Mild |
| Pituitary Gland | Pars Distalis | Adenoma | |
| Note: ADENOMA TGLs = 3-1 | | | |
| Thymus | | | |
| Note: ENDOCRINE THYMUS(MEDULLA). I DO NOT CONSIDER IT A NEOPLASM | | | |
| Note: THYMUS-THERE MAY BE MINIMAL HYPERPLASIA OF THE | | | |
| Thyroid Gland | C Cell | Hyperplasia | Focal, Mild |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014

Time Report Requested: 14:14:35

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 250

TRT#: 6

SEX: Female

DAY ON TEST: 732

DOSE: 20 PPM LOW F

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014
Time Report Requested: 14:14:35
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 251

TRT#: 7

SEX: Female

DAY ON TEST: 731

DOSE: 100 PPM HIGH F

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

| | | | |
|------------------------|---------------|------------------------|----------------------|
| Adrenal Gland | Cortex | Hyperplasia | Multifocal, Mild |
| | Cortex | Leukemia Mononuclear | |
| Bone Marrow | | Leukemia Mononuclear | |
| Eye | Retina | Atrophy | Moderate |
| | Lens | Cataract | Mild |
| Note: CATARACT | TGLs = 2-13 | | |
| Heart | | Leukemia Mononuclear | |
| Liver | Bile Duct | Hyperplasia | Multifocal, Mild |
| | | Hyperplasia | Multifocal, Moderate |
| | | Leukemia Mononuclear | |
| Lung | | Leukemia Mononuclear | |
| Nose | Mucosa | Cytoplasmic Alteration | Multifocal, Mild |
| Pancreas | Acinus | Atrophy | Multifocal, Minimal |
| Pituitary Gland | Pars Distalis | Adenoma | |
| [Adenoma TGLS = 3-1] | | | |
| Spleen | | Leukemia Mononuclear | |
| Uterus | Endometrium | Cyst | Multiple |
| | Endometrium | Polyp Stromal | |
| Note: CYST | TGLs = 1-5 | | |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014
Time Report Requested: 14:14:35
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 252

TRT#: 7

SEX: Female

DAY ON TEST: 731

DOSE: 100 PPM HIGH F

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Clitoral Gland
Intestine Large - Colon
Intestine Small - Jejunum
Lymph Node - Mandibular
Ovary
Skin
Stomach - Glandular
Urinary Bladder

Adrenal Gland - Medulla
Esophagus
Intestine Large - Rectum
Islets, Pancreatic
Lymph Node - Mesenteric
Pancreas
Spinal Cord
Thymus
Uterus

Bone
Heart
Intestine Small - Duodenum
Kidney
Mammary Gland
Parathyroid Gland
Spleen
Thyroid Gland

Brain
Intestine Large - Cecum
Intestine Small - Ileum
Larynx
Nose
Salivary Glands
Stomach - Forestomach
Trachea

OBSERVATIONS

Bone Marrow
Eye

Liver

Lung
Pituitary Gland

Retina
Sclera

Bile Duct

Pars Distalis

Myelofibrosis
Atrophy
Metaplasia
Focal Cellular Change
Hyperplasia
Infiltration Cellular
Adenoma

Focal, Mild
Mild
Osseous, Focal, Minimal

Multifocal, Minimal
Histiocyte, Multifocal, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014

Time Report Requested: 14:14:35

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 253

TRT#: 7

SEX: Female

DAY ON TEST: 731

DOSE: 100 PPM HIGH F

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Brain
Intestine Large - Rectum
Islets, Pancreatic
Mammary Gland
Salivary Glands
Stomach - Forestomach
Trachea

Adrenal Gland - Medulla
Esophagus
Intestine Small - Duodenum
Kidney
Ovary
Skin
Stomach - Glandular
Urinary Bladder

Bone
Intestine Large - Cecum
Intestine Small - Ileum
Larynx
Parathyroid Gland
Spinal Cord
Thymus
Uterus

Bone Marrow
Intestine Large - Colon
Intestine Small - Jejunum
Lymph Node - Mesenteric
Pituitary Gland
Spleen
Thyroid Gland

MISSING

Clitoral Gland

OBSERVATIONS

Eye

Heart
Liver

Note: ANOM HEPAT LOB TGLs = 1-3
Lung
Nose
Pancreas

Retina
Sclera

Mucosa
Acinus

Atrophy
Metaplasia
Cardiomyopathy
Focal Cellular Change
Hepatodiaphragmatic Nodule
Inflammation

Infiltration Cellular
Cytoplasmic Alteration
Atrophy

Mild
Osseous, Focal, Minimal
Multifocal, Minimal

Chronic, Multifocal, Mild

Histiocyte, Multifocal, Minimal
Multifocal, Minimal
Focal, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014

Time Report Requested: 14:14:35

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 254

TRT#: 7

SEX: Female

DAY ON TEST: 731

DOSE: 100 PPM HIGH F

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Clitoral Gland
Intestine Large - Colon
Islets, Pancreatic
Lymph Node - Mandibular
Pancreas
Skin
Stomach - Glandular
Uterus

Adrenal Gland - Medulla
Esophagus
Intestine Large - Rectum
Kidney
Lymph Node - Mesenteric
Parathyroid Gland
Spinal Cord
Thymus

Bone
Eye
Intestine Small - Duodenum
Larynx
Mammary Gland
Pituitary Gland
Spleen
Trachea

Bone Marrow
Intestine Large - Cecum
Intestine Small - Jejunum
Lung
Ovary
Salivary Glands
Stomach - Forestomach
Urinary Bladder

OBSERVATIONS

Brain
Heart
Intestine Small
 Note: LEIOMYOSAR TGLs = 1-12
Liver

Nose
Thyroid Gland

Cerebrum

Ileum

Bile Duct
Mucosa
C Cell

Astrocytoma Malignant
Cardiomyopathy
Leiomyosarcoma

Focal Cellular Change
Hyperplasia
Cytoplasmic Alteration
Adenoma

Multifocal, Mild

Multifocal, Mild
Multifocal, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014
Time Report Requested: 14:14:35
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 255

TRT#: 7

SEX: Female

DAY ON TEST: 731

DOSE: 100 PPM HIGH F

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Clitoral Gland

OBSERVATIONS

| | | | |
|-----------------|---------------|-------------------------|---------------------------------|
| Adrenal Gland | Medulla | Pheochromocytoma Benign | |
| Eye | Retina | Atrophy | Mild |
| | Lens | Cataract | Mild |
| Heart | | Cardiomyopathy | Multifocal, Minimal |
| Liver | | Focal Cellular Change | |
| | Bile Duct | Hyperplasia | Multifocal, Mild |
| Lung | | Infiltration Cellular | Histiocyte, Multifocal, Minimal |
| Nose | Mucosa | Cytoplasmic Alteration | Multifocal, Mild |
| Pituitary Gland | Pars Distalis | Adenoma | |
| Thyroid Gland | C Cell | Hyperplasia | Multifocal, Mild |
| Uterus | Endometrium | Cyst | Multiple |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014
Time Report Requested: 14:14:35
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 256

TRT#: 7

SEX: Female

DAY ON TEST: 453

DOSE: 100 PPM HIGH F

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|---------------------------|--------------------------|----------------------------|-------------------------|
| Bone | Clitoral Gland | Ear | Esophagus |
| Eye | Harderian Gland | Heart | Intestine Large - Cecum |
| Intestine Large - Colon | Intestine Large - Rectum | Intestine Small - Duodenum | Intestine Small - Ileum |
| Intestine Small - Jejunum | Islets, Pancreatic | Larynx | Mammary Gland |
| Nose | Ovary | Parathyroid Gland | Pituitary Gland |
| Salivary Glands | Spinal Cord | Stomach - Forestomach | Stomach - Glandular |
| Thyroid Gland | Trachea | Urinary Bladder | Uterus |

OBSERVATIONS

| | | | |
|-------------------------------------|------------|----------------------|------------------|
| Adrenal Gland | Cortex | Leukemia Mononuclear | |
| | Medulla | Leukemia Mononuclear | |
| Bone Marrow | | Leukemia Mononuclear | |
| Brain | | Leukemia Mononuclear | |
| [Leukemia Mononuclear TGLS = 1-1] | | | |
| Ear | | | |
| Note: NSL | | | |
| Kidney | | Leukemia Mononuclear | |
| Liver | | Fatty Change | Mild |
| | | Leukemia Mononuclear | |
| Lung | | Leukemia Mononuclear | |
| Lymph Node | Mandibular | Leukemia Mononuclear | |
| | Mesenteric | Leukemia Mononuclear | |
| Mammary GI | | | |
| Note: MAMMARY GLAND IN SECTION 8 | | | |
| Pancreas | Acinus | Atrophy | Multifocal, Mild |
| | | Leukemia Mononuclear | |
| Skin | | Leukemia Mononuclear | |
| Spleen | | Leukemia Mononuclear | |
| Thymus | | Leukemia Mononuclear | |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014
Time Report Requested: 14:14:35
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 257

TRT#: 7

SEX: Female

DAY ON TEST: 731

DOSE: 100 PPM HIGH F

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

| | | | |
|--------------------------------|---------------|------------------------------|------------------------------|
| Adrenal Gland | Cortex | Hyperplasia | Focal, Moderate |
| Eye | Retina | Atrophy | Mild |
| | Lens | Cataract | Mild |
| | Sclera | Metaplasia | Osseous, Multifocal, Minimal |
| Heart | | Cardiomyopathy | Multifocal, Mild |
| Liver | | Focal Cellular Change | |
| | Bile Duct | Hyperplasia | Multifocal, Mild |
| Note: FOCAL CELL CH TGLs = 2-3 | | | |
| Lung | | Alveolar/Bronchiolar Adenoma | |
| Nose | Mucosa | Cytoplasmic Alteration | Multifocal, Minimal |
| Pituitary Gland | Pars Distalis | Adenoma | |
| [Adenoma TGLS = 3-1] | | | |
| Uterus | Endometrium | Cyst | Mild |
| | Endometrium | Polyp Stromal | |
| Note: POLYP STROMAL TGLs = 1-5 | | | |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014
Time Report Requested: 14:14:35
First Dose M/F: NA / NA
Lab: MBA

| | | | |
|-----------------------|-----------------------------|---------------------------------|-------------------------|
| ANIMAL ID: 258 | TRT#: 7 | SEX: Female | DAY ON TEST: 731 |
| | DOSE: 100 PPM HIGH F | DISP: Terminal Sacrifice | HISTO: |

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Clitoral Gland

OBSERVATIONS

| | | | |
|---------------|-----------|------------------------|------------------|
| Adrenal Gland | Cortex | Degeneration | Focal, Mild |
| | Cortex | Hematocyst | Mild |
| Eye | Retina | Atrophy | Mild |
| Heart | | Cardiomyopathy | Multifocal, Mild |
| Liver | | Focal Cellular Change | |
| | Bile Duct | Hyperplasia | Multifocal, Mild |
| Nose | Mucosa | Cytoplasmic Alteration | Multifocal, Mild |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014
Time Report Requested: 14:14:35
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 259

TRT#: 7

SEX: Female

DAY ON TEST: 731

DOSE: 100 PPM HIGH F

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|---------------------------|--------------------------|----------------------------|-------------------------|
| Adrenal Gland - Medulla | Bone | Bone Marrow | Brain |
| Clitoral Gland | Esophagus | Heart | Intestine Large - Cecum |
| Intestine Large - Colon | Intestine Large - Rectum | Intestine Small - Duodenum | Intestine Small - Ileum |
| Intestine Small - Jejunum | Islets, Pancreatic | Kidney | Larynx |
| Lung | Lymph Node - Mandibular | Lymph Node - Mesenteric | Mammary Gland |
| Ovary | Parathyroid Gland | Pituitary Gland | Skin |
| Spinal Cord | Spleen | Stomach - Forestomach | Stomach - Glandular |
| Thyroid Gland | Trachea | Urinary Bladder | |

MISSING

Thymus

OBSERVATIONS

| | | | |
|--------------------------------------|-------------|------------------------|--------------------------------|
| Adrenal Gland | Cortex | Degeneration | Focal, Minimal |
| Eye | Retina | Atrophy | Mild |
| | Lens | Cataract | Mild |
| Liver | | Focal Cellular Change | |
| | Bile Duct | Hyperplasia | Focal, Minimal |
| Nose | Mucosa | Cytoplasmic Alteration | Multifocal, Mild |
| | Mucosa | Inflammation | Chronic Active, Focal, Minimal |
| Pancreas | Acinus | Atrophy | Focal, Mild |
| Salivary Glands | | Schwannoma Malignant | |
| Note: [SCHWANNOMA MAL] TGLs = 1-12 | | | |
| Uterus | Endometrium | Cyst | Multiple |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014
Time Report Requested: 14:14:35
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 260

TRT#: 7

SEX: Female

DAY ON TEST: 731

DOSE: 100 PPM HIGH F

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Clitoral Gland

OBSERVATIONS

| | | | |
|-----------------|----------------|------------------------|---------------------------------|
| Bone Marrow | | Myelofibrosis | Multifocal, Mild |
| Eye | Retina | Atrophy | Mild |
| | Lens | Cataract | Mild |
| | Sclera | Metaplasia | Osseous, Focal, Minimal |
| Liver | | Focal Cellular Change | |
| | Bile Duct | Hyperplasia | Multifocal, Moderate |
| Lung | | Infiltration Cellular | Histiocyte, Multifocal, Minimal |
| Nose | Mucosa | Cytoplasmic Alteration | Multifocal, Minimal |
| | Nasolacrim Dct | Inflammation | Chronic, Mild |
| Pancreas | Acinus | Atrophy | Multifocal, Mild |
| Pituitary Gland | Pars Distalis | Adenoma | |

Note: ADENOMA TGLs = 1-1

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014
Time Report Requested: 14:14:35
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 261

TRT#: 7

SEX: Female

DAY ON TEST: 604

DOSE: 100 PPM HIGH F

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|-------------------------|---------------------------|--------------------------|----------------------------|
| Adrenal Gland - Medulla | Bone | Clitoral Gland | Esophagus |
| Intestine Large - Cecum | Intestine Large - Colon | Intestine Large - Rectum | Intestine Small - Duodenum |
| Intestine Small - Ileum | Intestine Small - Jejunum | Islets, Pancreatic | Larynx |
| Mammary Gland | Pancreas | Parathyroid Gland | Pituitary Gland |
| Salivary Glands | Skin | Stomach - Forestomach | Stomach - Glandular |
| Thyroid Gland | Trachea | Urinary Bladder | Uterus |

OBSERVATIONS

| | | | |
|-------------------------------------|------------|------------------------|-------------------------|
| Adrenal Gland | Cortex | Leukemia Mononuclear | |
| Blood | | Leukemia Mononuclear | |
| Bone Marrow | | Leukemia Mononuclear | |
| Brain | | Leukemia Mononuclear | |
| Note: BADLY DAMAGED AT NECROPSY | | | |
| [Leukemia Mononuclear TGLS = 2-1] | | | |
| Eye | Sclera | Metaplasia | Osseous, Focal, Minimal |
| Heart | | Leukemia Mononuclear | |
| Kidney | | Leukemia Mononuclear | |
| Liver | | Leukemia Mononuclear | |
| Lung | | Leukemia Mononuclear | |
| Lymph Node | Mandibular | Leukemia Mononuclear | |
| | Mesenteric | Leukemia Mononuclear | |
| Nose | Mucosa | Cytoplasmic Alteration | Multifocal, Mild |
| Ovary | | Leukemia Mononuclear | |
| Spinal Cord | | Leukemia Mononuclear | |
| Spleen | | Leukemia Mononuclear | |
| Note: LEUKEMIA MONUC TGLs = 1-3 | | | |
| Thymus | | Leukemia Mononuclear | |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014
Time Report Requested: 14:14:35
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 262

TRT#: 7

SEX: Female

DAY ON TEST: 669

DOSE: 100 PPM HIGH F

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|-------------------------|-------------------------|--------------------------|----------------------------|
| Adrenal Gland - Cortex | Adrenal Gland - Medulla | Bone Marrow | Brain |
| Clitoral Gland | Esophagus | Eye | Heart |
| Intestine Large - Cecum | Intestine Large - Colon | Intestine Large - Rectum | Intestine Small - Duodenum |
| Intestine Small - Ileum | Islets, Pancreatic | Kidney | Larynx |
| Lung | Lymph Node - Mandibular | Lymph Node - Mesenteric | Mammary Gland |
| Ovary | Pancreas | Parathyroid Gland | Pituitary Gland |
| Salivary Glands | Skin | Spinal Cord | Stomach - Forestomach |
| Stomach - Glandular | Thymus | Thyroid Gland | Trachea |
| Urinary Bladder | Uterus | | |

AUTO PRECLUDES DIAG.

Intestine Small - Jejunum

OBSERVATIONS

| | | | |
|--|-----------|------------------------|----------------------|
| Bone | | Hyperostosis | Mild |
| Liver | Bile Duct | Hyperplasia | Multifocal, Mild |
| | | Hyperplasia | Focal, Mild |
| | | Necrosis | Multifocal, Moderate |
| | Vein | Thrombosis | Marked |
| Note: THROMBUS TGLs = 2-3 [Thrombosis TGLS = 2-3] | | | |
| Nose | Mucosa | Cytoplasmic Alteration | Multifocal, Minimal |
| Spleen | | Infarct | Marked |
| Note: INFARCT TGLs = 1-3 | | | |

PRIMARY CAUSE OF DEATH

-

Animal Note: EYE-RETINA AUTOLYZED

Animal Note: TGL3-NCL-ASENCE OF FAT ON CARCASS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014
Time Report Requested: 14:14:35
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 263

TRT#: 7

SEX: Female

DAY ON TEST: 732

DOSE: 100 PPM HIGH F

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

| | | | |
|------------------------|---------------|-----------------------|---------------------------------|
| Bone Marrow | | Myelofibrosis | Multifocal, Minimal |
| Eye | Retina | Atrophy | Mild |
| Heart | | Cardiomyopathy | Multifocal, Mild |
| Liver | | Focal Cellular Change | |
| | Bile Duct | Hyperplasia | Multifocal, Mild |
| Lung | | Infiltration Cellular | Histiocyte, Multifocal, Minimal |
| Pituitary Gland | Pars Distalis | Adenoma | |
| [Adenoma TGLS = 1-1] | | | |
| Uterus | Endometrium | Cyst | Multiple, Minimal |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014
Time Report Requested: 14:14:35
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 264

TRT#: 7

SEX: Female

DAY ON TEST: 732

DOSE: 100 PPM HIGH F

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Brain
Intestine Large - Colon
Intestine Small - Jejunum
Lung
Ovary
Skin
Stomach - Glandular
Urinary Bladder

Adrenal Gland - Medulla
Esophagus
Intestine Large - Rectum
Islets, Pancreatic
Lymph Node - Mandibular
Parathyroid Gland
Spinal Cord
Thymus
Uterus

Bone
Heart
Intestine Small - Duodenum
Kidney
Lymph Node - Mesenteric
Pituitary Gland
Spleen
Thyroid Gland

Bone Marrow
Intestine Large - Cecum
Intestine Small - Ileum
Larynx
Mammary Gland
Salivary Glands
Stomach - Forestomach
Trachea

MISSING

Clitoral Gland

OBSERVATIONS

Brain

Note: BEST SECTION DAMAGED AT NECROPSY

Eye

Retina

Atrophy

Mild

Liver

Bile Duct

Hyperplasia

Multifocal, Minimal

Nose

Mucosa

Cytoplasmic Alteration

Multifocal, Mild

Pancreas

Acinus

Atrophy

Multifocal, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014

Time Report Requested: 14:14:35

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 265

TRT#: 7

SEX: Female

DAY ON TEST: 732

DOSE: 100 PPM HIGH F

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Brain
Intestine Large - Cecum
Intestine Small - Ileum
Larynx
Ovary
Skin
Stomach - Glandular
Urinary Bladder

Adrenal Gland - Medulla
Clitoral Gland
Intestine Large - Colon
Intestine Small - Jejunum
Lymph Node - Mandibular
Pancreas
Spinal Cord
Thymus
Uterus

Bone
Esophagus
Intestine Large - Rectum
Islets, Pancreatic
Lymph Node - Mesenteric
Parathyroid Gland
Spleen
Thyroid Gland

Bone Marrow
Heart
Intestine Small - Duodenum
Kidney
Mammary Gland
Salivary Glands
Stomach - Forestomach
Trachea

OBSERVATIONS

Eye

Retina
Lens

Atrophy
Cataract

Mild
Mild

Liver

Bile Duct

Focal Cellular Change
Hyperplasia

Multifocal, Mild

Lung

Infiltration Cellular

Histiocyte, Multifocal, Minimal

Nose

Mucosa

Cytoplasmic Alteration

Multifocal, Mild

Pituitary Gland

Pars Distalis

Adenoma

Note: ADENOMA TGLs = 1-1

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014
Time Report Requested: 14:14:35
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 266

TRT#: 7

SEX: Female

DAY ON TEST: 732

DOSE: 100 PPM HIGH F

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

| | | | |
|------------------------------------|---------------|------------------------|---------------------------------|
| Bone Marrow | | Myelofibrosis | Multifocal, Mild |
| Eye | Retina | Atrophy | Mild |
| | Lens | Cataract | Mild |
| | Sclera | Metaplasia | Osseous, Multifocal, Mild |
| Note: [CATARACT] TGLs = 3-12,13 | | | |
| Liver | | Focal Cellular Change | |
| | Bile Duct | Hyperplasia | Multifocal, Mild |
| | | Inflammation | Chronic, Multifocal, Mild |
| Note: [FOCAL CELL CH] TGLs = 2-3 | | | |
| Lung | | Infiltration Cellular | Histiocyte, Multifocal, Minimal |
| Nose | Mucosa | Cytoplasmic Alteration | Multifocal, Minimal |
| Pancreas | Acinus | Atrophy | Focal, Minimal |
| Pituitary Gland | Pars Distalis | Cyst | |
| Note: [CYST] TGLs = 4-1 | | | |
| Uterus | Endometrium | Cyst | |
| Note: [CYST] TGLs = 1-5 | | | |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014
Time Report Requested: 14:14:35
First Dose M/F: NA / NA
Lab: MBA

| | | | |
|-----------------------|-----------------------------|--------------------|-------------------------|
| ANIMAL ID: 267 | TRT#: 7 | SEX: Female | DAY ON TEST: 220 |
| | DOSE: 100 PPM HIGH F | DISP: Dead | HISTO: |

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|---------------------------|--------------------------|----------------------------|-------------------------|
| Adrenal Gland - Cortex | Adrenal Gland - Medulla | Bone | Brain |
| Esophagus | Eye | Heart | Intestine Large - Cecum |
| Intestine Large - Colon | Intestine Large - Rectum | Intestine Small - Duodenum | Intestine Small - Ileum |
| Intestine Small - Jejunum | Islets, Pancreatic | Kidney | Larynx |
| Lung | Lymph Node - Mandibular | Lymph Node - Mesenteric | Mammary Gland |
| Nose | Ovary | Pancreas | Parathyroid Gland |
| Pituitary Gland | Salivary Glands | Skin | Spinal Cord |
| Spleen | Stomach - Forestomach | Stomach - Glandular | Thymus |
| Thyroid Gland | Trachea | Uterus | |

MISSING

Clitoral Gland

OBSERVATIONS

| | | | |
|-----------------|----------------|----------------------------|------------------------------|
| Bone Marrow | | Atrophy | Moderate |
| Harderian Gland | | Infiltration Cellular | Lymphocyte, Multifocal, Mild |
| Liver | | Hepatodiaphragmatic Nodule | |
| Urinary Bladder | | Calculus Gross Observation | |
| | Transit Epithe | Hyperplasia | Moderate |
| | | Inflammation | Chronic, Mild |

Note: NCL-1-2, THERE ARE NUMEROUS BACTERIA IN LUMEN

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014

Time Report Requested: 14:14:35

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 268

TRT#: 7

SEX: Female

DAY ON TEST: 710

DOSE: 100 PPM HIGH F

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|--------------------------|----------------------------|-------------------------|---------------------------|
| Adrenal Gland - Cortex | Bone | Bone Marrow | Brain |
| Clitoral Gland | Esophagus | Intestine Large - Cecum | Intestine Large - Colon |
| Intestine Large - Rectum | Intestine Small - Duodenum | Intestine Small - Ileum | Intestine Small - Jejunum |
| Islets, Pancreatic | Kidney | Larynx | Mammary Gland |
| Ovary | Pancreas | Parathyroid Gland | Salivary Glands |
| Skin | Spinal Cord | Spleen | Stomach - Forestomach |
| Stomach - Glandular | Thymus | Thyroid Gland | Trachea |
| Urinary Bladder | Uterus | | |

OBSERVATIONS

| | | | |
|------------------------------------|---------------|------------------------------|----------------------|
| Adrenal Gland | Medulla | Hyperplasia | Multifocal, Moderate |
| | Medulla | Pheochromocytoma Benign | |
| Eye | Retina | Atrophy | Mild |
| | Lens | Cataract | Mild |
| Heart | | Cardiomyopathy | Multifocal, Moderate |
| | Atrium | Thrombosis | |
| Liver | | Focal Cellular Change | |
| | Bile Duct | Hyperplasia | Multifocal, Mild |
| Note: [FOCAL CELL CH] TGLs = 4-3 | | | |
| Note: [HYPERPLASIA] TGLs = 4-3 | | | |
| Lung | | Alveolar/Bronchiolar Adenoma | |
| | | Pigmentation | Multifocal, Moderate |
| Lymph Node | Mandibular | Congestion | Mild |
| | Mesenteric | Congestion | Mild |
| Note: [CONGESTION] TGLs = 3-8 | | | |
| Nose | Mucosa | Cytoplasmic Alteration | Multifocal, Mild |
| Pituitary Gland | Pars Distalis | Adenoma | |
| Note: [ADENOMA] TGLs = 5-1 | | | |
| Skin | | | |
| Note: NCL 1-2 | | | |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014

Time Report Requested: 14:14:35

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 269

TRT#: 7

SEX: Female

DAY ON TEST: 724

DOSE: 100 PPM HIGH F

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex

Adrenal Gland - Medulla

Brain

Esophagus

Heart

Intestine Large - Cecum

Intestine Large - Colon

Intestine Large - Rectum

Intestine Small - Duodenum

Intestine Small - Ileum

Intestine Small - Jejunum

Islets, Pancreatic

Larynx

Lung

Lymph Node - Mandibular

Lymph Node - Mesenteric

Mesentery

Nose

Ovary

Parathyroid Gland

Salivary Glands

Skin

Spinal Cord

Stomach - Forestomach

Stomach - Glandular

Thymus

Thyroid Gland

Trachea

Urinary Bladder

Uterus

MISSING

Clitoral Gland

AUTO PRECLUDES DIAG.

Bone Marrow

Pancreas

Spleen

OBSERVATIONS

Eye

Lens

Cataract

Minimal

Note: (12) EYES-PARTIALLY AUTOLYZIED

Kidney

Bacterium

Inflammation

Acute, Multifocal, Moderate

Focal Cellular Change

Liver

Bile Duct

Hyperplasia

Multifocal, Mild

Note: [FOCAL CELL CH] TGLs = 1-3

Note: [HYPERPLASIA] TGLs = 1-3

Mammary Gland

Duct

Ectasia

Moderate

Pituitary Gland

Pars Distalis

Adenoma

Note: [ADENOMA] TGLs = 2-1

Spleen

Note: SPLEEN(4)-SEVERE AUTOLYSIS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014
Time Report Requested: 14:14:35
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 270

TRT#: 7

SEX: Female

DAY ON TEST: 732

DOSE: 100 PPM HIGH F

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|---------------------------|--------------------------|----------------------------|-------------------------|
| Brain | Clitoral Gland | Esophagus | Intestine Large - Cecum |
| Intestine Large - Colon | Intestine Large - Rectum | Intestine Small - Duodenum | Intestine Small - Ileum |
| Intestine Small - Jejunum | Islets, Pancreatic | Kidney | Larynx |
| Lymph Node - Mandibular | Ovary | Pancreas | Parathyroid Gland |
| Salivary Glands | Skin | Spinal Cord | Spleen |
| Stomach - Forestomach | Stomach - Glandular | Thymus | Thyroid Gland |
| Trachea | Urinary Bladder | Uterus | |

OBSERVATIONS

| | | | |
|---------------------------------|---------------|----------------------------|---------------------------------|
| Adrenal Gland | Cortex | Degeneration | Focal, Mild |
| | Medulla | Hyperplasia | Focal, Mild |
| Bone | | Hyperostosis | Mild |
| Bone Marrow | | Myelofibrosis | Multifocal, Minimal |
| Eye | Retina | Atrophy | Mild |
| | Lens | Cataract | Mild |
| Heart | | Cardiomyopathy | Multifocal, Mild |
| Liver | | Focal Cellular Change | |
| | | Hepatodiaphragmatic Nodule | |
| | | Inflammation | Chronic, Multifocal, Minimal |
| Note: ANOM HEPAT LOB TGLs = 1-3 | | | |
| Lung | | Infiltration Cellular | Histiocyte, Multifocal, Minimal |
| Lymph Node | Mesenteric | Infiltration Cellular | Histiocyte, Mild |
| Mammary Gland | Acinus | Hyperplasia | Focal, Mild |
| Nose | Mucosa | Cytoplasmic Alteration | Multifocal, Minimal |
| Pituitary Gland | Pars Distalis | Adenoma | |

Note: ADENOMA TGLs = 2-1

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014
Time Report Requested: 14:14:35
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 271

TRT#: 7

SEX: Female

DAY ON TEST: 732

DOSE: 100 PPM HIGH F

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Brain
Intestine Large - Colon
Intestine Small - Jejunum
Lymph Node - Mandibular
Salivary Glands
Stomach - Forestomach
Trachea

Adrenal Gland - Medulla
Clitoral Gland
Intestine Large - Rectum
Islets, Pancreatic
Mammary Gland
Skin
Stomach - Glandular
Urinary Bladder

Bone
Esophagus
Intestine Small - Duodenum
Kidney
Pancreas
Spinal Cord
Thymus
Uterus

Bone Marrow
Intestine Large - Cecum
Intestine Small - Ileum
Larynx
Parathyroid Gland
Spleen
Thyroid Gland

OBSERVATIONS

Clitoral Gl
Note: one clitoral gland

Eye
Heart
Liver

Lung
Lymph Node
Nose
Ovary
Pituitary Gland

Retina

Bile Duct

Mesenteric
Mucosa

Pars Distalis
Pars Distalis

Atrophy
Cardiomyopathy
Focal Cellular Change
Hyperplasia
Infiltration Cellular
Infiltration Cellular
Cytoplasmic Alteration
Cyst
Cyst
Hyperplasia

Mild
Multifocal, Minimal

Multifocal, Mild
Histiocyte, Multifocal, Minimal
Histiocyte, Mild
Multifocal, Mild

Focal, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014
Time Report Requested: 14:14:35
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 272

TRT#: 7

SEX: Female

DAY ON TEST: 732

DOSE: 100 PPM HIGH F

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

| | | | |
|--------------------------|-------------|----------------------------|---------------------------------|
| Eye | Retina | Atrophy | Mild |
| | Lens | Cataract | Mild |
| | Sclera | Metaplasia | Osseous, Focal, Minimal |
| Heart | | Cardiomyopathy | Multifocal, Mild |
| Liver | | Focal Cellular Change | |
| | | Hepatodiaphragmatic Nodule | |
| | Bile Duct | Hyperplasia | Multifocal, Minimal |
| Note: [HDN] TGLs = 1-3 | | | |
| Lung | | Infiltration Cellular | Histiocyte, Multifocal, Minimal |
| Nose | Mucosa | Cytoplasmic Alteration | Multifocal, Mild |
| Uterus | Endometrium | Cyst | Multiple, Minimal |
| | Endometrium | Inflammation | Subacute, Focal, Minimal |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014

Time Report Requested: 14:14:35

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 273

TRT#: 7

SEX: Female

DAY ON TEST: 732

DOSE: 100 PPM HIGH F

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

| | | | |
|---------------|---------|-----------------------|------------------------------|
| Adrenal Gland | Medulla | Hyperplasia | Focal, Minimal |
| Eye | Retina | Atrophy | Mild |
| | Lens | Cataract | Mild |
| | Sclera | Metaplasia | Osseous, Focal, Minimal |
| Heart | | Cardiomyopathy | Multifocal, Minimal |
| Liver | | Focal Cellular Change | |
| | | Inflammation | Granulomatous, Focal, Marked |
| | | Inflammation | Chronic, Multifocal, Minimal |

Note: LIVER WITH GRANULAMATOUS INFLAMMATION

Note: [INFLAMMATION] TGLs = 1-8

Note: SITE DESIGNATED MES/PANC. ACTUALLY INFARCTION OF THE

| | | | |
|----------|--------|------------------------|---------------------|
| Nose | Mucosa | Cytoplasmic Alteration | Multifocal, Minimal |
| Pancreas | | | |

Note: INFARCTION OF THE LIVER WITH GRANULOMATOUS INFLAMMATION

Note: (8) SITE DESIGNATED MESENTERY/PANCREAS ACTUALLY

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014
Time Report Requested: 14:14:35
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 274

TRT#: 7

SEX: Female

DAY ON TEST: 535

DOSE: 100 PPM HIGH F

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|---------------------------|--------------------------|----------------------------|-------------------------|
| Adrenal Gland - Cortex | Adrenal Gland - Medulla | Bone | Brain |
| Clitoral Gland | Esophagus | Heart | Intestine Large - Cecum |
| Intestine Large - Colon | Intestine Large - Rectum | Intestine Small - Duodenum | Intestine Small - Ileum |
| Intestine Small - Jejunum | Islets, Pancreatic | Kidney | Larynx |
| Lymph Node - Mesenteric | Mammary Gland | Ovary | Parathyroid Gland |
| Salivary Glands | Skin | Spinal Cord | Thyroid Gland |
| Trachea | Urinary Bladder | | |

OBSERVATIONS

| | | | |
|-------------------------------------|---------------|------------------------|-------------------------|
| Bone Marrow | | Leukemia Mononuclear | |
| Eye | Retina | Atrophy | Minimal |
| Note: NCL 4-12 | | | |
| Liver | Bile Duct | Hyperplasia | Multifocal, Mild |
| Note: [LEUKEMIA MONUC] TGLs = 2-3 | | | |
| Lung | | Leukemia Mononuclear | |
| Lymph Node | Mandibular | Leukemia Mononuclear | |
| Nose | Mucosa | Cytoplasmic Alteration | Multifocal, Mild |
| Pancreas | Acinus | Atrophy | Multifocal, Mild |
| | | Leukemia Mononuclear | |
| Pituitary Gland | Pars Distalis | Fibrosis | Marked |
| | | Leukemia Mononuclear | |
| Spleen | | Leukemia Mononuclear | |
| Note: [LEUKEMIA MONUC] TGLs = 1-3 | | | |
| Stomach | Forestomach | Hyperplasia | Squamous, Diffuse, Mild |
| | Forestomach | Inflammation | Chronic Active, Marked |
| | Glandular | Ulcer | Moderate |
| Note: [INFLAMMATION] TGLs = 3-8 | | | |
| Note: [HYPERPLASIA] TGLs = 3-8 | | | |
| Thymus | | Leukemia Mononuclear | |
| Uterus | Endometrium | Cyst | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014
Time Report Requested: 14:14:35
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 274

TRT#: 7

SEX: Female

DAY ON TEST: 535

DOSE: 100 PPM HIGH F

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014
Time Report Requested: 14:14:35
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 275

TRT#: 7

SEX: Female

DAY ON TEST: 732

DOSE: 100 PPM HIGH F

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

| | | | |
|-----------------|-----------|------------------------|---------------------------------|
| Eye | Retina | Atrophy | Mild |
| | Lens | Cataract | Mild |
| | Sclera | Metaplasia | Osseous, Focal, Minimal |
| Liver | | Focal Cellular Change | |
| | Bile Duct | Hyperplasia | Multifocal, Mild |
| | | Inflammation | Chronic, Multifocal, Mild |
| Lung | | Infiltration Cellular | Histiocyte, Multifocal, Minimal |
| Nose | Mucosa | Cytoplasmic Alteration | Multifocal, Mild |
| Pancreas | Acinus | Atrophy | Multifocal, Minimal |
| Pituitary Gland | | | |

Note: NCL - 1 AND 1R

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014
Time Report Requested: 14:14:35
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 276

TRT#: 7

SEX: Female

DAY ON TEST: 732

DOSE: 100 PPM HIGH F

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

| | | | |
|-------------------------------|---------------|-----------------------|---------------------------------|
| Brain | Hypothalamus | Compression | Mild |
| Eye | Retina | Atrophy | Mild |
| | Lens | Cataract | Mild |
| | Sclera | Metaplasia | Osseous, Focal, Minimal |
| Heart | | Cardiomyopathy | Multifocal, Mild |
| Liver | | Focal Cellular Change | |
| Lung | | Infiltration Cellular | Histiocyte, Multifocal, Minimal |
| Lymph Node | Mediastinal | Pigmentation | Mild |
| Note: [PIGMENT] TGLs = 1-12 | | | |
| Mammary Gland | Duct | Ectasia | Mild |
| Pituitary Gland | Pars Distalis | Adenoma | |
| Note: [ADENOMA] TGLs = 2-1 | | | |
| Uterus | | Dilatation | Mild |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014
Time Report Requested: 14:14:35
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 277

TRT#: 7

SEX: Female

DAY ON TEST: 732

DOSE: 100 PPM HIGH F

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

| | | | |
|------------------------------------|---------------|------------------------|------------------------------|
| Eye | Retina | Atrophy | Mild |
| | Lens | Cataract | Mild |
| | Sclera | Metaplasia | Osseous, Multifocal, Minimal |
| Heart | | Cardiomyopathy | Multifocal, Minimal |
| Liver | | Focal Cellular Change | |
| | | Inflammation | Chronic, Multifocal, Mild |
| Note: [FOCAL CELL CH] TGLs = 2-3 | | | |
| Nose | Mucosa | Cytoplasmic Alteration | Multifocal, Minimal |
| Pituitary Gland | Pars Distalis | Cyst | |
| Spleen | | Infarct | Mild |
| Thyroid Gland | C Cell | Adenoma | |
| Uterus | Endometrium | Cyst | Multiple, Mild |
| Note: [CYST] TGLs = 1-5 | | | |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014

Time Report Requested: 14:14:35

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 278

TRT#: 7

SEX: Female

DAY ON TEST: 732

DOSE: 100 PPM HIGH F

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Clitoral Gland
Intestine Large - Rectum
Islets, Pancreatic
Mammary Gland
Pituitary Gland
Stomach - Glandular
Urinary Bladder

Adrenal Gland - Medulla
Esophagus
Intestine Small - Duodenum
Kidney
Ovary
Salivary Glands
Thymus

Bone
Intestine Large - Cecum
Intestine Small - Ileum
Larynx
Pancreas
Spleen
Thyroid Gland

Brain
Intestine Large - Colon
Intestine Small - Jejunum
Lymph Node - Mandibular
Parathyroid Gland
Stomach - Forestomach
Trachea

MISSING

Spinal Cord

OBSERVATIONS

Bone Marrow
Eye

Retina
Lens

Myelofibrosis
Atrophy
Cataract

Multifocal, Marked
Moderate
Mild

Note: [CATARACT] TGLs = 2-13
Note: EYE-TGL-2-NO CORROLLARY LESION

Heart
Liver

Cardiomyopathy
Focal Cellular Change
Hematopoietic Cell Proliferation
Inflammation
Infiltration Cellular

Multifocal, Mild
Multifocal, Mild
Chronic, Multifocal, Mild
Histiocyte, Multifocal, Minimal

Lung
Lymph Node
Nose
Skin
Uterus

Mesenteric
Mucosa

Congestion
Cytoplasmic Alteration
Inflammation
Dilatation
Polyp Stromal

Minimal
Multifocal, Minimal
Chronic Active, Moderate
Mild

Note: [POLYP STROMAL] TGLs = 1-12

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014
Time Report Requested: 14:14:35
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 279

TRT#: 7

SEX: Female

DAY ON TEST: 504

DOSE: 100 PPM HIGH F

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|----------------------------|-------------------------|---------------------------|--------------------------|
| Adrenal Gland - Cortex | Bone | Brain | Esophagus |
| Heart | Intestine Large - Cecum | Intestine Large - Colon | Intestine Large - Rectum |
| Intestine Small - Duodenum | Intestine Small - Ileum | Intestine Small - Jejunum | Islets, Pancreatic |
| Kidney | Larynx | Lymph Node - Mandibular | Lymph Node - Mesenteric |
| Ovary | Pancreas | Salivary Glands | Skin |
| Spinal Cord | Spleen | Stomach - Glandular | Thymus |
| Thyroid Gland | Trachea | Urinary Bladder | Uterus |

MISSING

| | | | |
|-------------------------|----------------|---------------|-------------------|
| Adrenal Gland - Medulla | Clitoral Gland | Mammary Gland | Parathyroid Gland |
|-------------------------|----------------|---------------|-------------------|

OBSERVATIONS

| | | | |
|---|---------------|---|---------------------------------|
| Bone Marrow | | Hyperplasia | Mild |
| Brain | | | |
| Note: DAMAGED AT NECROPSY. BEST SECTION | | | |
| Eye | Retina | Atrophy | Mild |
| Heart | | | |
| Note: NCL-5 | | | |
| Intest Large | | | |
| Note: CECUM-NCL-2; COLON-NCL-3 | | | |
| Liver | | Focal Cellular Change Hepatodiaphragmatic Nodule | |
| Note: [HDN] TGLs = 4-3 | | | |
| Lung | | Infiltration Cellular | Histiocyte, Multifocal, Minimal |
| Note: NCL-6 | | | |
| Nose | Mucosa | Inflammation | Acute, Multifocal, Moderate |
| | Mucosa | Metaplasia | Squamous, Focal, Mild |
| Pituitary Gland | Pars Distalis | Adenoma | |
| Stomach | Forestomach | Erosion | Focal, Mild |
| Note: [EROSION] TGLs = 1-8 | | | |
| Uterus | | | |
| Note: NCL-7 | | | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014
Time Report Requested: 14:14:35
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 279

TRT#: 7

SEX: Female

DAY ON TEST: 504

DOSE: 100 PPM HIGH F

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014
Time Report Requested: 14:14:35
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 280

TRT#: 7

SEX: Female

DAY ON TEST: 732

DOSE: 100 PPM HIGH F

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|----------------------------|-------------------------|---------------------------|--------------------------|
| Adrenal Gland - Medulla | Bone | Bone Marrow | Brain |
| Esophagus | Intestine Large - Cecum | Intestine Large - Colon | Intestine Large - Rectum |
| Intestine Small - Duodenum | Intestine Small - Ileum | Intestine Small - Jejunum | Islets, Pancreatic |
| Kidney | Larynx | Lung | Lymph Node - Mandibular |
| Mammary Gland | Ovary | Pancreas | Parathyroid Gland |
| Pituitary Gland | Salivary Glands | Skin | Spinal Cord |
| Spleen | Stomach - Forestomach | Stomach - Glandular | Thymus |
| Trachea | Urinary Bladder | | |

MISSING

| | |
|----------------|-------------------------|
| Clitoral Gland | Lymph Node - Mesenteric |
|----------------|-------------------------|

OBSERVATIONS

| | | | |
|---------------|-----------|------------------------|-------------------------|
| Adrenal Gland | Cortex | Hematocyst | Mild |
| | Cortex | Hyperplasia | Focal, Minimal |
| Eye | Retina | Atrophy | Mild |
| | Lens | Cataract | Minimal |
| | Sclera | Metaplasia | Osseous, Focal, Minimal |
| Heart | | Cardiomyopathy | Multifocal, Mild |
| Liver | | Focal Cellular Change | |
| | Bile Duct | Hyperplasia | Multifocal, Minimal |
| Nose | Mucosa | Cytoplasmic Alteration | Multifocal, Mild |
| Thyroid Gland | C Cell | Hyperplasia | Focal, Marked |
| Uterus | | Dilatation | Moderate |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014
Time Report Requested: 14:14:35
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 281

TRT#: 7

SEX: Female

DAY ON TEST: 732

DOSE: 100 PPM HIGH F

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|---------------------------|---------------------|----------------------------|-------------------------|
| Adrenal Gland - Medulla | Bone | Bone Marrow | Brain |
| Clitoral Gland | Esophagus | Intestine Small - Duodenum | Intestine Small - Ileum |
| Intestine Small - Jejunum | Islets, Pancreatic | Kidney | Larynx |
| Lung | Mammary Gland | Ovary | Parathyroid Gland |
| Pituitary Gland | Salivary Glands | Skin | Spinal Cord |
| Stomach - Forestomach | Stomach - Glandular | Thymus | Thyroid Gland |
| Trachea | Urinary Bladder | Uterus | |

OBSERVATIONS

| | | | |
|-------------------------------------|------------|----------------------------|-------------------------|
| Adrenal Gland | Cortex | Hyperplasia | Focal, Mild |
| Eye | Retina | Atrophy | Moderate |
| | Lens | Cataract | Moderate |
| | Sclera | Metaplasia | Osseous, Focal, Minimal |
| Note: [CATARACT] TGLs = 1-12 | | | |
| Heart | | Cardiomyopathy | Multifocal, Minimal |
| Liver | | Focal Cellular Change | |
| | | Hepatodiaphragmatic Nodule | |
| | Bile Duct | Hyperplasia | Multifocal, Minimal |
| | | Leukemia Mononuclear | |
| Note: [HDN] TGLs = 2-3 | | | |
| Lymph Node | Mandibular | Leukemia Mononuclear | |
| | Mesenteric | Leukemia Mononuclear | |
| Nose | Mucosa | Cytoplasmic Alteration | Multifocal, Minimal |
| Pancreas | Acinus | Atrophy | Multifocal, Mild |
| Spleen | | Leukemia Mononuclear | |
| Note: [LEUKEMIA MONUC] TGLs = 3-3 | | | |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014
Time Report Requested: 14:14:35
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 282

TRT#: 7

SEX: Female

DAY ON TEST: 731

DOSE: 100 PPM HIGH F

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

| | | | |
|-----------------|---------------|------------------------|------------------|
| Eye | Retina | Atrophy | Moderate |
| | Lens | Cataract | Marked |
| Heart | | Cardiomyopathy | Multifocal, Mild |
| Liver | | Focal Cellular Change | |
| Lymph Node | Mesenteric | Congestion | Minimal |
| Mammary Gland | Duct | Ectasia | Mild |
| Nose | Mucosa | Cytoplasmic Alteration | Multifocal, Mild |
| Pituitary Gland | Pars Distalis | Adenoma | |

Note: [ADENOMA] TGLs = 1-1

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014
Time Report Requested: 14:14:36
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 283

TRT#: 7

SEX: Female

DAY ON TEST: 732

DOSE: 100 PPM HIGH F

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|--------------------------|----------------------------|-------------------------|---------------------------|
| Adrenal Gland - Medulla | Bone | Bone Marrow | Brain |
| Clitoral Gland | Esophagus | Intestine Large - Cecum | Intestine Large - Colon |
| Intestine Large - Rectum | Intestine Small - Duodenum | Intestine Small - Ileum | Intestine Small - Jejunum |
| Islets, Pancreatic | Kidney | Larynx | Ovary |
| Parathyroid Gland | Skin | Spinal Cord | Spleen |
| Stomach - Forestomach | Stomach - Glandular | Thymus | Thyroid Gland |
| Trachea | Urinary Bladder | Uterus | |

MISSING

| | |
|-------------------------|-----------------|
| Lymph Node - Mandibular | Salivary Glands |
|-------------------------|-----------------|

OBSERVATIONS

| | | | |
|------------------------------------|---------------|------------------------|---------------------------------|
| Adrenal Gland | Cortex | Hematocyst | Mild |
| Eye | Retina | Atrophy | Moderate |
| | Lens | Cataract | Mild |
| Note: [CATARACT] TGLs = 2-12 | | | |
| Heart | | Cardiomyopathy | Multifocal, Minimal |
| Liver | | Focal Cellular Change | |
| | | Inflammation | Chronic, Multifocal, Minimal |
| Lung | | Infiltration Cellular | Histiocyte, Multifocal, Minimal |
| Lymph Node | Mesenteric | Congestion | Minimal |
| Mammary Gland | | Fibroadenoma | |
| Note: [FIBROADENOMA] TGLs = 1-13 | | | |
| Nose | Mucosa | Cytoplasmic Alteration | Multifocal, Minimal |
| Pancreas | Acinus | Atrophy | Multifocal, Mild |
| Pituitary Gland | Pars Distalis | Cyst | |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014
Time Report Requested: 14:14:36
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 284

TRT#: 7

SEX: Female

DAY ON TEST: 732

DOSE: 100 PPM HIGH F

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

OBSERVATIONS

| | | | |
|-------------------------------|--------|------------------------|---------------------------------|
| Bone | | Hyperostosis | Marked |
| Eye | Retina | Atrophy | Moderate |
| | Lens | Cataract | Mild |
| | Sclera | Metaplasia | Osseous, Focal, Minimal |
| Note: [ATROPHY] TGLs = 1-12 | | | |
| Heart | | Cardiomyopathy | Multifocal, Minimal |
| Liver | | Focal Cellular Change | |
| | | Inflammation | Chronic, Multifocal, Minimal |
| Lung | | Infiltration Cellular | Histiocyte, Multifocal, Minimal |
| Nose | Mucosa | Cytoplasmic Alteration | Multifocal, Mild |
| Pancreas | Acinus | Atrophy | Multifocal, Minimal |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014
Time Report Requested: 14:14:36
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 285

TRT#: 7

SEX: Female

DAY ON TEST: 732

DOSE: 100 PPM HIGH F

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

| | | | |
|--------------------------------|---------------|------------------------|------------------------------|
| Adrenal Gland | | | |
| Note: CORTEX- ONE | | | |
| Eye | Retina | Atrophy | Mild |
| | Lens | Cataract | Mild |
| Note: [CATARACT] TGLs = 1-12 | | | |
| Note: [CATARACT] TGLs = 1-11 | | | |
| Heart | | Cardiomyopathy | Multifocal, Minimal |
| Liver | | Focal Cellular Change | |
| | Bile Duct | Hyperplasia | Multifocal, Mild |
| | | Inflammation | Chronic, Multifocal, Minimal |
| Nose | Mucosa | Cytoplasmic Alteration | Multifocal, Minimal |
| Pancreas | Acinus | Atrophy | Focal, Minimal |
| Pituitary Gland | Pars Distalis | Hyperplasia | Focal, Moderate |
| Thyroid Gland | C Cell | Hyperplasia | Focal, Mild |
| Uterus | Endometrium | Cyst | Multiple |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014
Time Report Requested: 14:14:36
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 286

TRT#: 7

SEX: Female

DAY ON TEST: 666

DOSE: 100 PPM HIGH F

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

| | | | |
|--------------------------------|----------------|------------------------|------------------------------|
| Eye | Retina | Atrophy | Moderate |
| | Lens | Cataract | Mild |
| | Sclera | Metaplasia | Osseous, Multifocal, Minimal |
| Note: [CATARACT] TGLs = 3-12 | | | |
| Heart | | Cardiomyopathy | Multifocal, Minimal |
| Liver | | Fatty Change | Minimal |
| | | Focal Cellular Change | |
| | | Inflammation | Chronic, Multifocal, Minimal |
| Mammary Gland | Duct | Ectasia | Mild |
| Nose | Mucosa | Cytoplasmic Alteration | Multifocal, Mild |
| | Nasolacrim Dct | Inflammation | Chronic Active, Mild |
| Pituitary Gland | Pars Distalis | Adenoma | |
| Note: [ADENOMA] TGLs = 1-1 | | | |
| Skin | | | |
| Note: NCL-2 | | | |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014
Time Report Requested: 14:14:36
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 287

TRT#: 7

SEX: Female

DAY ON TEST: 732

DOSE: 100 PPM HIGH F

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

| | | | |
|------------------------------------|---------------|------------------------|------------------------------|
| Adrenal Gland | Cortex | Hyperplasia | Focal, Mild |
| Eye | Retina | Atrophy | Mild |
| | Lens | Cataract | Mild |
| | Sclera | Metaplasia | Osseous, Multifocal, Minimal |
| Liver | | Focal Cellular Change | |
| | Bile Duct | Hyperplasia | Multifocal, Minimal |
| Note: [FOCAL CELL CH] TGLs = 1-3 | | | |
| Nose | Mucosa | Cytoplasmic Alteration | Multifocal, Mild |
| Pancreas | Acinus | Atrophy | Focal, Minimal |
| Pituitary Gland | Pars Distalis | Cyst | Mild |
| Thyroid Gland | C Cell | Hyperplasia | Focal, Moderate |
| Uterus | Endometrium | Cyst | Multiple, Minimal |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014

Time Report Requested: 14:14:36

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 288

TRT#: 7

SEX: Female

DAY ON TEST: 732

DOSE: 100 PPM HIGH F

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex

Adrenal Gland - Medulla

Bone Marrow

Brain

Esophagus

Intestine Large - Cecum

Intestine Large - Colon

Intestine Large - Rectum

Intestine Small - Duodenum

Intestine Small - Ileum

Intestine Small - Jejunum

Islets, Pancreatic

Kidney

Larynx

Lymph Node - Mandibular

Lymph Node - Mesenteric

Mammary Gland

Ovary

Salivary Glands

Skin

Spinal Cord

Spleen

Stomach - Forestomach

Stomach - Glandular

Thymus

Thyroid Gland

Trachea

Urinary Bladder

Uterus

MISSING

Clitoral Gland

Parathyroid Gland

OBSERVATIONS

Bone

Hyperostosis

Mild

Eye

Retina

Atrophy

Mild

Lens

Cataract

Mild

Heart

Cardiomyopathy

Multifocal, Mild

Liver

Focal Cellular Change

Bile Duct

Hyperplasia

Multifocal, Mild

Inflammation

Chronic, Multifocal, Minimal

Lung

Infiltration Cellular

Histiocyte, Multifocal, Minimal

Nose

Mucosa

Cytoplasmic Alteration

Multifocal, Minimal

Pancreas

Acinus

Atrophy

Focal, Minimal

Pituitary Gland

Pars Distalis

Adenoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014
Time Report Requested: 14:14:36
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 289

TRT#: 7

SEX: Female

DAY ON TEST: 732

DOSE: 100 PPM HIGH F

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

| | |
|----------------|---------------|
| Clitoral Gland | Mammary Gland |
|----------------|---------------|

OBSERVATIONS

| | | | |
|--------------------------------|---------------|------------------------|----------------------|
| Eye | Retina | Atrophy | Mild |
| | Lens | Cataract | Mild |
| | Sclera | Metaplasia | Osseous, Focal, Mild |
| Note: [CATARACT] TGLs = 1-12 | | | |
| Heart | | Cardiomyopathy | Multifocal, Minimal |
| Liver | | Focal Cellular Change | |
| | Bile Duct | Hyperplasia | Multifocal, Mild |
| Nose | Mucosa | Cytoplasmic Alteration | Multifocal, Mild |
| Pancreas | Acinus | Atrophy | Focal, Minimal |
| Pituitary Gland | Pars Distalis | Hyperplasia | Focal, Minimal |
| [Hyperplasia TGLS = 2-1] | | | |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014
Time Report Requested: 14:14:36
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 290

TRT#: 7

SEX: Female

DAY ON TEST: 732

DOSE: 100 PPM HIGH F

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

| | | | |
|------------------------------------|---------------|------------------------|---------------------------|
| Adrenal Gland | Medulla | Hyperplasia | Focal, Mild |
| Bone | | Hyperostosis | Marked |
| Eye | Retina | Atrophy | Mild |
| | Lens | Cataract | Moderate |
| Note: [CATARACT] TGLs = 1-12 | | | |
| Heart | | Cardiomyopathy | Multifocal, Minimal |
| Liver | | Focal Cellular Change | |
| | Bile Duct | Hyperplasia | Multifocal, Minimal |
| | | Inflammation | Chronic, Multifocal, Mild |
| Note: [FOCAL CELL CH] TGLs = 2-3 | | | |
| Mammary Gland | | Adenocarcinoma | |
| Nose | Mucosa | Cytoplasmic Alteration | Multifocal, Mild |
| Pituitary Gland | Pars Distalis | Adenoma | |
| [Adenoma TGLS = 3-1] | | | |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014
Time Report Requested: 14:14:36
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 291

TRT#: 7

SEX: Female

DAY ON TEST: 694

DOSE: 100 PPM HIGH F

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

| | | | |
|------------------------------|---------------|-----------------------|---------------------------------|
| Adrenal Gland | Cortex | Hematocyst | Mild |
| | Cortex | Hyperplasia | Focal, Mild |
| Brain | Hypothalamus | Compression | Mild |
| | Cerebrum | Hydrocephalus | Mild |
| Eye | Retina | Atrophy | Moderate |
| | Lens | Cataract | Mild |
| Liver | | Focal Cellular Change | |
| | | Inflammation | Chronic, Multifocal, Mild |
| Lung | | Infiltration Cellular | Histiocyte, Multifocal, Minimal |
| Mammary Gland | Duct | Ectasia | Mild |
| Pituitary Gland | Pars Distalis | Adenoma | |
| Note: [ADENOMA] TGLs = 2-1 | | | |
| Skin | | Inflammation | Chronic Active, Moderate |
| Spleen | | | |
| Note: NCL-1 | | | |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014

Time Report Requested: 14:14:36

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 292

TRT#: 7

SEX: Female

DAY ON TEST: 732

DOSE: 100 PPM HIGH F

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Brain
Intestine Large - Colon
Intestine Small - Jejunum
Liver
Ovary
Skin
Stomach - Glandular
Uterus

Adrenal Gland - Medulla
Esophagus
Intestine Large - Rectum
Islets, Pancreatic
Lung
Pancreas
Spinal Cord
Thyroid Gland

Bone
Heart
Intestine Small - Duodenum
Kidney
Lymph Node - Mandibular
Parathyroid Gland
Spleen
Trachea

Bone Marrow
Intestine Large - Cecum
Intestine Small - Ileum
Larynx
Lymph Node - Mesenteric
Salivary Glands
Stomach - Forestomach
Urinary Bladder

MISSING

Thymus

OBSERVATIONS

Clitoral Gland
Eye

Retina
Lens

Inflammation
Atrophy
Cataract
Fibroadenoma

Chronic, Focal, Mild
Mild
Minimal

Mammary Gland

Note: [FIBROADENOMA] TGLs = 1-12

Nose
Pituitary Gland

Nasolacrim Dct
Pars Distalis

Inflammation
Adenoma

Chronic Active, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014

Time Report Requested: 14:14:36

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 293

TRT#: 7

SEX: Female

DAY ON TEST: 453

DOSE: 100 PPM HIGH F

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|---------------------------|--------------------------|----------------------------|-------------------------|
| Adrenal Gland - Cortex | Adrenal Gland - Medulla | Bone | Clitoral Gland |
| Esophagus | Eye | Heart | Intestine Large - Cecum |
| Intestine Large - Colon | Intestine Large - Rectum | Intestine Small - Duodenum | Intestine Small - Ileum |
| Intestine Small - Jejunum | Islets, Pancreatic | Kidney | Larynx |
| Lymph Node - Mandibular | Mammary Gland | Ovary | Pancreas |
| Parathyroid Gland | Pituitary Gland | Salivary Glands | Skin |
| Spinal Cord | Stomach - Forestomach | Stomach - Glandular | Thymus |
| Thyroid Gland | Trachea | Urinary Bladder | Uterus |

OBSERVATIONS

| | | | |
|-------------|------------|----------------------|-------------------------|
| Bone Marrow | | Leukemia Mononuclear | |
| Brain | | Leukemia Mononuclear | |
| Liver | | Leukemia Mononuclear | |
| Lung | | Leukemia Mononuclear | |
| Lymph Node | Mesenteric | Leukemia Mononuclear | |
| Nose | | Fungus | Moderate |
| | Mucosa | Inflammation | Acute, Multifocal, Mild |
| Spleen | | Leukemia Mononuclear | |

Note: DISTRIBUTION IN SEVERAL ORGANS CONSISTENT WITH MONONUCLEAR

Note: LEUKEMIA CELLS TEND TO BE CRENATED.

Note: CELL LEUKEMIA

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014

Time Report Requested: 14:14:36

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 294

TRT#: 7

SEX: Female

DAY ON TEST: 732

DOSE: 100 PPM HIGH F

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Brain
Intestine Large - Colon
Intestine Small - Jejunum
Lymph Node - Mesenteric
Pancreas
Spinal Cord
Thymus

Adrenal Gland - Medulla
Clitoral Gland
Intestine Large - Rectum
Islets, Pancreatic
Mammary Gland
Parathyroid Gland
Spleen
Thyroid Gland

Bone
Esophagus
Intestine Small - Duodenum
Kidney
Nose
Salivary Glands
Stomach - Forestomach
Trachea

Bone Marrow
Intestine Large - Cecum
Intestine Small - Ileum
Lymph Node - Mandibular
Ovary
Skin
Stomach - Glandular
Urinary Bladder

OBSERVATIONS

Eye

Note: [CATARACT] TGLs = 1-12
Heart
Larynx
Liver

Lung
Pituitary Gland
Uterus

Note: [CYST] TGLs = 2-5

Retina
Lens

Bile Duct

Pars Distalis
Endometrium

Atrophy
Cataract

Cardiomyopathy
Inflammation
Focal Cellular Change
Hyperplasia
Infiltration Cellular
Cyst
Cyst

Mild
Minimal

Multifocal, Minimal
Chronic, Focal, Minimal

Multifocal, Minimal
Histiocyte, Multifocal, Minimal

Multiple

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014
Time Report Requested: 14:14:36
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 295

TRT#: 7

SEX: Female

DAY ON TEST: 732

DOSE: 100 PPM HIGH F

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Clitoral Gland
Intestine Large - Colon
Intestine Small - Jejunum
Lung
Nose
Salivary Glands
Stomach - Forestomach
Trachea

Adrenal Gland - Medulla
Esophagus
Intestine Large - Rectum
Islets, Pancreatic
Lymph Node - Mandibular
Ovary
Skin
Stomach - Glandular
Urinary Bladder

Bone
Heart
Intestine Small - Duodenum
Kidney
Lymph Node - Mesenteric
Pancreas
Spinal Cord
Thymus
Uterus

Brain
Intestine Large - Cecum
Intestine Small - Ileum
Larynx
Mammary Gland
Parathyroid Gland
Spleen
Thyroid Gland

OBSERVATIONS

Bone Marrow

Myelofibrosis

Multifocal, Minimal

Eye

Retina

Atrophy

Mild

Lens

Cataract

Minimal

Liver

Focal Cellular Change

Bile Duct

Hyperplasia

Multifocal, Minimal

Inflammation

Chronic, Multifocal, Minimal

Pituitary Gland

Pars Distalis

Hyperplasia

Focal, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014
Time Report Requested: 14:14:36
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 296

TRT#: 7

SEX: Female

DAY ON TEST: 696

DOSE: 100 PPM HIGH F

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|-------------------------|---------------------------|--------------------------|----------------------------|
| Adrenal Gland - Medulla | Brain | Clitoral Gland | Esophagus |
| Intestine Large - Cecum | Intestine Large - Colon | Intestine Large - Rectum | Intestine Small - Duodenum |
| Intestine Small - Ileum | Intestine Small - Jejunum | Islets, Pancreatic | Kidney |
| Larynx | Lung | Lymph Node - Mandibular | Mammary Gland |
| Nose | Ovary | Pancreas | Parathyroid Gland |
| Pituitary Gland | Salivary Glands | Skin | Spinal Cord |
| Spleen | Stomach - Forestomach | Stomach - Glandular | Thymus |
| Thyroid Gland | Trachea | Urinary Bladder | |

OBSERVATIONS

| | | | |
|---------------|--------|----------------------------|---------------------------|
| Adrenal Gland | Cortex | Hyperplasia | Focal, Mild |
| Bone | | Hyperostosis | Mild |
| Bone Marrow | | Myelofibrosis | Multifocal, Mild |
| Eye | Lens | Cataract | Moderate |
| | Lens | Cataract | Mild |
| Heart | | Cardiomyopathy | Multifocal, Minimal |
| Liver | | Focal Cellular Change | |
| | | Hepatodiaphragmatic Nodule | |
| | | Inflammation | Chronic, Multifocal, Mild |

Note: [HDN] TGLs = 1-3.1

Lung

Note: NCL-4

Note: VESSELS DILATED DUE TO POST MORTEM RELAXATION - NSL

Lymph Node Mesenteric

Infiltration Cellular Histiocyte, Minimal

Spleen

Note: NCL-2

Uterus Endometrium

Cyst Mild

Note: [CYST] TGLs = 3-12,12.1

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014
Time Report Requested: 14:14:36
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 297

TRT#: 7

SEX: Female

DAY ON TEST: 676

DOSE: 100 PPM HIGH F

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|----------------------------|-------------------------|---------------------------|--------------------------|
| Bone | Brain | Clitoral Gland | Esophagus |
| Heart | Intestine Large - Cecum | Intestine Large - Colon | Intestine Large - Rectum |
| Intestine Small - Duodenum | Intestine Small - Ileum | Intestine Small - Jejunum | Islets, Pancreatic |
| Kidney | Larynx | Mammary Gland | Ovary |
| Pancreas | Pituitary Gland | Salivary Glands | Skin |
| Spinal Cord | Stomach - Forestomach | Stomach - Glandular | Thyroid Gland |
| Trachea | | | |

MISSING

Parathyroid Gland

OBSERVATIONS

| | | | |
|---|------------|----------------------------|---------------------------------|
| Adrenal Gland | Cortex | Leukemia Mononuclear | |
| | Medulla | Leukemia Mononuclear | |
| Bone Marrow | | Leukemia Mononuclear | |
| Eye | Retina | Atrophy | Mild |
| | Lens | Cataract | Minimal |
| Liver | | Focal Cellular Change | |
| | | Hepatodiaphragmatic Nodule | |
| | Bile Duct | Hyperplasia | Multifocal, Moderate |
| | | Leukemia Mononuclear | |
| Note: [FOCAL CELL CH] TGLs = 3-3 Note: [LEUKEMIA MONUC] TGLs = 3-3 Note: [HYPERPLASIA] TGLs = 3-3 Note: [HDN] TGLs = 2-3 | | | |
| Lung | | Infiltration Cellular | Histiocyte, Multifocal, Minimal |
| | | Leukemia Mononuclear | |
| Lymph Node | Mandibular | Leukemia Mononuclear | |
| | Mesenteric | Leukemia Mononuclear | |
| Nose | Mucosa | Cytoplasmic Alteration | Multifocal, Minimal |
| Spleen | | Leukemia Mononuclear | |
| Note: [LEUKEMIA MONUC] TGLs = 1-3 | | | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014

Time Report Requested: 14:14:36

First Dose M/F: NA / NA

Lab: MBA

ANIMAL ID: 297

TRT#: 7

SEX: Female

DAY ON TEST: 676

DOSE: 100 PPM HIGH F

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

| | | | |
|-----------------|-------------|----------------------|----------|
| Thymus | | Leukemia Mononuclear | |
| Urinary Bladder | | Leukemia Mononuclear | |
| Uterus | Endometrium | Cyst | Multiple |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014
Time Report Requested: 14:14:36
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 298

TRT#: 7

SEX: Female

DAY ON TEST: 732

DOSE: 100 PPM HIGH F

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

| | | | |
|---------------------------------|----------------|-----------------------|------------------------------|
| Bone Marrow | | Myelofibrosis | Multifocal, Minimal |
| Clitoral Gl | | | |
| Note: ONE CLITORAL GLAND | | | |
| Eye | Retina | Atrophy | Mild |
| | Lens | Cataract | Mild |
| Heart | | Cardiomyopathy | Multifocal, Mild |
| Liver | | Focal Cellular Change | |
| | Bile Duct | Hyperplasia | Multifocal, Mild |
| | | Inflammation | Chronic, Multifocal, Minimal |
| Nose | Nasolacrim Dct | Inflammation | Chronic Active, Mild |
| Pituitary Gland | Pars Distalis | Cyst | |
| Uterus | | Dilatation | Mild |
| Note: [DILATATION] TGLs = 1-5 | | | |

PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014
Time Report Requested: 14:14:36
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 299

TRT#: 7

SEX: Female

DAY ON TEST: 732

DOSE: 100 PPM HIGH F

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

| | | | |
|--------------------------|---------------|----------------------------|---------------------------|
| Bone Marrow | | Myelofibrosis | Multifocal, Minimal |
| Eye | Retina | Atrophy | Mild |
| | Lens | Cataract | Minimal |
| Heart | | Cardiomyopathy | Multifocal, Mild |
| Liver | | Focal Cellular Change | |
| | | Hepatodiaphragmatic Nodule | |
| | Bile Duct | Hyperplasia | Multifocal, Mild |
| | | Inflammation | Chronic, Multifocal, Mild |
| Note: [HDN] TGLs = 1-3 | | | |
| Pancreas | Acinus | Atrophy | Focal, Minimal |
| Pituitary Gland | Pars Distalis | Adenoma | |

PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05029-01
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: DL-amphetamine sulfate

Date Report Requested: 10/18/2014
Time Report Requested: 14:14:36
First Dose M/F: NA / NA
Lab: MBA

ANIMAL ID: 300

TRT#: 7

SEX: Female

DAY ON TEST: 732

DOSE: 100 PPM HIGH F

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

| | | | |
|-----------------|----------------|-----------------------|------------------------------|
| Bone Marrow | | Myelofibrosis | Multifocal, Minimal |
| Eye | Retina | Atrophy | Mild |
| | Lens | Cataract | Moderate |
| Kidney | | Cyst | Mild |
| Liver | | Focal Cellular Change | |
| | | Inflammation | Chronic, Multifocal, Minimal |
| Nose | Nasolacrim Dct | Inflammation | Chronic, Mild |
| Pancreas | Acinus | Atrophy | Focal, Mild |
| Pituitary Gland | Pars Distalis | Angiectasis | Focal, Mild |
| | Pars Distalis | Cyst | Mild |
| Uterus | Endometrium | Cyst | Multiple |

PRIMARY CAUSE OF DEATH

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**** END OF REPORT ****

* PROTOCOL REQUIRED TISSUE