

Experiment Number: 05007-06
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014
Time Report Requested: 08:21:10
First Dose M/F: NA / NA
Lab: SRI

| | |
|-----------------------------|--------------|
| C Number: | C60286 |
| 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 | 10/03/1990 |

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:10

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 1

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: UNTREATD CONTROL

DISP: Terminal Sacrifice

HISTO: A85-0120

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Thymus

OBSERVATIONS

| | | | |
|------------------------------------|------------------------------|---|--------------------------|
| Adrenal Gland | Cortex Medulla Medulla | Degeneration Pheochromocytoma Benign Pheochromocytoma Malignant | Fatty, Mild |
| Note: [PHEOCHROM BGN] TGLs = 3-8 | | | |
| Eye | Retina | Degeneration | Moderate |
| Note: DEGEN TGLs = 1-14+14.1 | | | |
| Heart | | Cardiomyopathy Mineralization | Chronic, Mild Mild |
| Intestine Large | Colon | Parasite Metazoan | |
| Kidney | Renal Tubule | Nephropathy Pigmentation | Chronic, Marked Mild |
| Note: NEPHROPATHY TGLs = 4-5 | | | |
| Liver | Bile Duct Portal | Basophilic Focus Hyperplasia Inflammation | Mild Chronic, Mild |
| Lymph Node | Mandibular | Hyperplasia | Lymphoid, Mild |
| Nose | Lumen Nasolacrim Dct | Hemorrhage Inflammation | Mild Acute, Mild |
| Preputial Gland | | Adenoma | |
| Prostate | | Inflammation | Chronic Active, Moderate |
| Skin | | Keratoacanthoma | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
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Date Report Requested: 10/17/2014
Time Report Requested: 08:21:10
First Dose M/F: NA / NA
Lab: SRI

| | | | |
|---------------------|-------------------------------|---------------------------------|-------------------------|
| ANIMAL ID: 1 | TRT#: 1 | SEX: Male | DAY ON TEST: 729 |
| | DOSE: UNTREATD CONTROL | DISP: Terminal Sacrifice | HISTO: A85-0120 |

ORGAN AND ACCOUNTABLE SITE STATUS

Note: KERATOACANTHMA TGLs = 5-13

| | | | |
|---------|-------------------|----------------------------------|---------|
| Spleen | | Hematopoietic Cell Proliferation | Mild |
| Stomach | Glandular, Mucosa | Dilatation | Minimal |
| Testes | Interstit Cell | Adenoma | |
| | Interstit Cell | Hyperplasia | Mild |

Note: ADENOMA TGLs = 2-6

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

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:10

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 2

TRT#: 1

SEX: Male

DAY ON TEST: 585

DOSE: UNTREATD CONTROL

DISP: Moribund

HISTO: A85-0121

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|---------------------------|--------------------------|----------------------------|-------------------------|
| Bone | Bone Marrow | Esophagus | Intestine Large - Cecum |
| Intestine Large - Colon | Intestine Large - Rectum | Intestine Small - Duodenum | Intestine Small - Ileum |
| Intestine Small - Jejunum | Islets, Pancreatic | Lymph Node - Mesenteric | Pancreas |
| Preputial Gland | Seminal Vesicle | Skin | Stomach - Glandular |
| Thymus | Trachea | | |

MISSING

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

OBSERVATIONS

| | | | |
|-----------------------------|----------------|-------------------------|----------------------|
| Adrenal Gland | Cortex | Degeneration | Fatty, Minimal |
| | Medulla | Hyperplasia | Mild |
| | Medulla | Pheochromocytoma Benign | |
| Brain | | Compression | Mild |
| | | Hemorrhage | Mild |
| Epididymis | | Inflammation | Chronic, Mild |
| Heart | | Cardiomyopathy | Chronic, Mild |
| Kidney | | Nephropathy | Chronic, Mild |
| | Renal Tubule | Pigmentation | Minimal |
| Liver | | Basophilic Focus | |
| | Portal | Inflammation | Chronic, Mild |
| | | Leukemia Mononuclear | |
| Lung | | Leukemia Mononuclear | |
| | Arteriole | Mineralization | Mild |
| Lymph Node | Mandibular | Hyperplasia | Lymphoid, Mild |
| Nose | Olfactory Epi | Degeneration | Minimal |
| | Nasolacrim Dct | Inflammation | Acute, Mild |
| Pituitary Gland | Pars Distalis | Adenoma | |
| Note: COD-PITUITARY ADENOMA | | | |
| Note: ADENOMA TGLs = 2-1 | | | |
| Prostate | | Inflammation | Chronic Active, Mild |
| Salivary Glands | | Infiltration Cellular | Lymphocyte, Mild |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014
Time Report Requested: 08:21:10
First Dose M/F: NA / NA
Lab: SRI

| | | | |
|---------------------|-------------------------------|-----------------------|-------------------------|
| ANIMAL ID: 2 | TRT#: 1 | SEX: Male | DAY ON TEST: 585 |
| | DOSE: UNTREATD CONTROL | DISP: Moribund | HISTO: A85-0121 |

ORGAN AND ACCOUNTABLE SITE STATUS

| | | | |
|----------------------|----------------|---------------------------------|----------|
| Spleen | | Leukemia Mononuclear | |
| | | Pigmentation | Mild |
| Stomach | Forestomach | Ulcer | Moderate |
| Note: ULCER | TGLs = 1-4+13 | | |
| Testes | Interstit Cell | Hyperplasia | Minimal |
| Thyroid Gland | C Cell | Hyperplasia | Mild |
| Urinary Bladder | | Calculus Micro Observation Only | |
| Note: CALCUS MIC OBS | TGLs = 3-4 | | |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:10

First Dose M/F: NA / NA

Lab: SRI

| | | | |
|---------------------|-------------------------------|---------------------------------|-------------------------|
| ANIMAL ID: 3 | TRT#: 1 | SEX: Male | DAY ON TEST: 729 |
| | DOSE: UNTREATD CONTROL | DISP: Terminal Sacrifice | HISTO: A85-0122 |

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Parathyroid Gland

OBSERVATIONS

| | | | |
|--------------------|-------------------|----------------------------------|----------------------|
| Adrenal Gland | Cortex | Hyperplasia | Mild |
| Heart | | Cardiomyopathy | Chronic, Mild |
| Islets, Pancreatic | | Adenoma | |
| Note: ADENOMA | TGLs = 2-13 | | |
| Kidney | | Nephropathy | Chronic, Moderate |
| | Renal Tubule | Pigmentation | Mild |
| Liver | | Basophilic Focus | |
| | Bile Duct | Hyperplasia | Mild |
| | Portal | Inflammation | Chronic, Mild |
| Lung | Arteriole | Mineralization | Mild |
| Lymph Node | Mandibular | Hyperplasia | Lymphoid, Mild |
| Mammary Gland | Acinus | Ectasia | Mild |
| Nose | Mucosa | Inflammation | Acute, Moderate |
| Pancreas | Acinus | Adenoma | |
| | Acinus | Atrophy | Moderate |
| Pituitary Gland | Pars Distalis | Hyperplasia | Mild |
| Prostate | | Inflammation | Chronic Active, Mild |
| Spleen | | Hematopoietic Cell Proliferation | Mild |
| Stomach | Glandular, Mucosa | Dilatation | Mild |
| Testes | Interstit Cell | Adenoma | |
| Note: ADENOMA | TGLs = 1-6 | | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:10

First Dose M/F: NA / NA

Lab: SRI

| | | | |
|---------------------|-------------------------------|---------------------------------|-------------------------|
| ANIMAL ID: 3 | TRT#: 1 | SEX: Male | DAY ON TEST: 729 |
| | DOSE: UNTREATD CONTROL | DISP: Terminal Sacrifice | HISTO: A85-0122 |

ORGAN AND ACCOUNTABLE SITE STATUS

| | | | |
|---------------|--------|-------------|------|
| Thyroid Gland | C Cell | Hyperplasia | Mild |
|---------------|--------|-------------|------|

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

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:10

First Dose M/F: NA / NA

Lab: SRI

| | | | |
|---------------------|-------------------------------|---------------------------------|-------------------------|
| ANIMAL ID: 4 | TRT#: 1 | SEX: Male | DAY ON TEST: 729 |
| | DOSE: UNTREATD CONTROL | DISP: Terminal Sacrifice | HISTO: A85-0123 |

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

| | | | |
|--|----------------|----------------------------|----------------------|
| Adrenal Gland | Cortex | Degeneration | Fatty, Mild |
| | Medulla | Pheochromocytoma Benign | |
| Note: [PHEOCHROM BGN] TGLs = 2-8+8.1 | | | |
| Blood Vessel | Artery | Inflammation | Chronic, Mild |
| Note: BLOOD VESSEL-BLOCK 4. | | | |
| Heart | | Cardiomyopathy | Chronic, Mild |
| Kidney | | Nephropathy | Chronic, Marked |
| | Renal Tubule | Pigmentation | Mild |
| Liver | | Basophilic Focus | |
| | | Developmental Malformation | |
| | Bile Duct | Hyperplasia | Mild |
| | Portal | Inflammation | Chronic, Minimal |
| Note: DEVELOP MALFOR TGLs = 3-13 | | | |
| Lung | | Hemorrhage | Mild |
| Lymph Node | Mandibular | Cyst | |
| | Mandibular | Hyperplasia | Lymphoid, Moderate |
| Nose | Olfactory Epi | Degeneration | Mild |
| | Respirat Epith | Degeneration | Minimal |
| | Mucosa | Inflammation | Acute, Moderate |
| Pancreas | Acinus | Atrophy | Minimal |
| Pituitary Gland | Pars Distalis | Cyst | |
| Preputial Gland | | Inflammation | Chronic, Mild |
| Prostate | | Inflammation | Chronic Active, Mild |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:10

First Dose M/F: NA / NA

Lab: SRI

| | | | |
|---------------------|-------------------------------|---------------------------------|-------------------------|
| ANIMAL ID: 4 | TRT#: 1 | SEX: Male | DAY ON TEST: 729 |
| | DOSE: UNTREATD CONTROL | DISP: Terminal Sacrifice | HISTO: A85-0123 |

ORGAN AND ACCOUNTABLE SITE STATUS

| | | | |
|------------------------|-------------------|----------------------------------|---------|
| Spleen | | Hematopoietic Cell Proliferation | Mild |
| Stomach | Glandular, Mucosa | Dilatation | Minimal |
| Testes | Interstit Cell | Adenoma | |
| Note: ADENOMA | TGLs = 1-6 | | |
| Thyroid Gland | C Cell | Hyperplasia | Mild |
| PRIMARY CAUSE OF DEATH | - | | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:10

First Dose M/F: NA / NA

Lab: SRI

| | | | |
|---------------------|-------------------------------|---------------------------------|-------------------------|
| ANIMAL ID: 5 | TRT#: 1 | SEX: Male | DAY ON TEST: 729 |
| | DOSE: UNTREATD CONTROL | DISP: Terminal Sacrifice | HISTO: A85-0124 |

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

| | | | |
|----------------------------------|----------------|----------------------------|--------------------------|
| Adrenal Gland | Cortex | Degeneration | Fatty, Mild |
| | Medulla | Pheochromocytoma Benign | |
| Heart | | Cardiomyopathy | Chronic, Mild |
| Intestine Large | Cecum | Parasite Metazoan | |
| | Colon | Parasite Metazoan | |
| Islets, Pancreatic | | Adenoma | |
| Kidney | | Nephropathy | Chronic, Mild |
| | Renal Tubule | Pigmentation | Mild |
| Liver | | Basophilic Focus | |
| | | Developmental Malformation | |
| | Bile Duct | Hyperplasia | Mild |
| | Portal | Inflammation | Chronic, Mild |
| | | Leukemia Mononuclear | |
| Note: DEVELOP MALFOR TGLs = 2-13 | | | |
| Lung | | Hemorrhage | Minimal |
| Lymph Node | Mandibular | Cyst | |
| | Mandibular | Hyperplasia | Lymphoid, Mild |
| Mammary Gland | Acinus | Ectasia | Mild |
| Nose | Olfactory Epi | Degeneration | Mild |
| | Respirat Epith | Degeneration | Minimal |
| | Nasolacrim Dct | Inflammation | Acute, Minimal |
| Pancreas | Acinus | Atrophy | Minimal |
| Pituitary Gland | Pars Distalis | Adenoma | |
| Prostate | | Inflammation | Chronic Active, Moderate |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:10

First Dose M/F: NA / NA

Lab: SRI

| | | | |
|---------------------|-------------------------------|---------------------------------|-------------------------|
| ANIMAL ID: 5 | TRT#: 1 | SEX: Male | DAY ON TEST: 729 |
| | DOSE: UNTREATD CONTROL | DISP: Terminal Sacrifice | HISTO: A85-0124 |

ORGAN AND ACCOUNTABLE SITE STATUS

| | | | |
|---------|-------------------|--|---------|
| Spleen | | Hematopoietic Cell Proliferation Leukemia Mononuclear | Minimal |
| Stomach | Glandular, Mucosa | Dilatation | Mild |
| Testes | Interstit Cell | Adenoma | |

Note: ADENOMA TGLs = 1-6

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

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:10

First Dose M/F: NA / NA

Lab: SRI

| | | | |
|---------------------|-------------------------------|-----------------------|-------------------------|
| ANIMAL ID: 6 | TRT#: 1 | SEX: Male | DAY ON TEST: 698 |
| | DOSE: UNTREATD CONTROL | DISP: Moribund | HISTO: A85-0125 |

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

| | | | |
|------------------------------------|--------------|-------------------------|-------------------|
| Adrenal Gland | Cortex | Degeneration | Fatty, Mild |
| | Medulla | Pheochromocytoma Benign | |
| Eye | | Cataract | Moderate |
| | Retina | Degeneration | Moderate |
| | Sclera | Mineralization | Moderate |
| Note: TGL#8-NCL | | | |
| Heart | | Cardiomyopathy | Chronic, Mild |
| | | Mineralization | Mild |
| Kidney | | Nephropathy | Chronic, Moderate |
| | Renal Tubule | Pigmentation | Mild |
| Note: NEPHROPATHY TGLs = 2-5 | | | |
| Liver | | Basophilic Focus | |
| | | Hepatocellular Adenoma | |
| | Bile Duct | Hyperplasia | Mild |
| | Portal | Inflammation | Chronic, Mild |
| | | Leukemia Mononuclear | |
| Note: INFLAMMATION TGLs = 5-2+14 | | | |
| Note: HEPATOCLR ADEN TGLs = 4-14+2 | | | |
| Note: COD-LEUKEMIA MONUC | | | |
| Lung | | Leukemia Mononuclear | |
| | Arteriole | Mineralization | Mild |
| Note: LEUKEMIA MONUC TGLs = 6-3 | | | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:10

First Dose M/F: NA / NA

Lab: SRI

| | | | |
|---------------------|-------------------------------|-----------------------|-------------------------|
| ANIMAL ID: 6 | TRT#: 1 | SEX: Male | DAY ON TEST: 698 |
| | DOSE: UNTREATD CONTROL | DISP: Moribund | HISTO: A85-0125 |

ORGAN AND ACCOUNTABLE SITE STATUS

| | | | |
|---------------------------------|-------------------|----------------------------------|--------------------------|
| Lymph Node | Mandibular | Hyperplasia | Lymphoid, Mild |
| Mesentery | Fat | Necrosis | Moderate |
| Note: NECROSIS TGLs = 1-13 | | | |
| Pituitary Gland | Pars Distalis | Infarct | Marked |
| Note: INFARCT TGLs = 7-1 | | | |
| Prostate | | Inflammation | Chronic Active, Moderate |
| Spleen | | Hematopoietic Cell Proliferation | Minimal |
| | | Leukemia Mononuclear | |
| Note: LEUKEMIA MONUC TGLs = 3-2 | | | |
| Stomach | Glandular, Mucosa | Dilatation | Minimal |
| Testes | Interstit Cell | Adenoma | |

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

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:10

First Dose M/F: NA / NA

Lab: SRI

| | | | |
|---------------------|-------------------------------|---------------------------------|-------------------------|
| ANIMAL ID: 7 | TRT#: 1 | SEX: Male | DAY ON TEST: 729 |
| | DOSE: UNTREATD CONTROL | DISP: Terminal Sacrifice | HISTO: A85-0126 |

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 | Lymph Node - Mesenteric |
| Salivary Glands | Seminal Vesicle | Skin | Stomach - Forestomach |
| Thymus | Thyroid Gland | Trachea | Urinary Bladder |

MISSING

Parathyroid Gland

OBSERVATIONS

| | | | |
|-----------------|---------------|-------------------------|----------------------|
| Adrenal Gland | Cortex | Degeneration | Fatty, Mild |
| | Medulla | Hyperplasia | Minimal |
| | Medulla | Pheochromocytoma Benign | |
| Brain | | Compression | Mild |
| Heart | | Cardiomyopathy | Chronic, Moderate |
| Kidney | | Nephropathy | Chronic, Mild |
| | Renal Tubule | Pigmentation | Mild |
| Liver | | Basophilic Focus | |
| | Bile Duct | Hyperplasia | Mild |
| | Portal | Inflammation | Chronic, Mild |
| | | Leukemia Mononuclear | |
| Lung | | Leukemia Mononuclear | |
| Lymph Node | Mandibular | Hyperplasia | Lymphoid, Moderate |
| Mammary Gland | Acinus | Ectasia | Moderate |
| Nose | Mucosa | Inflammation | Acute, Marked |
| Pancreas | Acinus | Atrophy | Mild |
| Pituitary Gland | Pars Distalis | Adenoma | |
| Note: ADENOMA | TGLs = 2-1 | | |
| Preputial Gland | | Inflammation | Chronic, Mild |
| Prostate | | Inflammation | Chronic Active, Mild |
| Spleen | | Leukemia Mononuclear | |
| | | Pigmentation | Mild |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:10

First Dose M/F: NA / NA

Lab: SRI

| | | | |
|---------------------|-------------------------------|---------------------------------|-------------------------|
| ANIMAL ID: 7 | TRT#: 1 | SEX: Male | DAY ON TEST: 729 |
| | DOSE: UNTREATD CONTROL | DISP: Terminal Sacrifice | HISTO: A85-0126 |

ORGAN AND ACCOUNTABLE SITE STATUS

| | | | |
|----------------------|-------------------|-------------|---------|
| Note: LEUKEMIA MONUC | TGLs = 1-2 | | |
| Stomach | Glandular, Mucosa | Dilatation | Minimal |
| Testes | Interstit Cell | Hyperplasia | Mild |

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

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:10

First Dose M/F: NA / NA

Lab: SRI

| | | | |
|---------------------|-------------------------------|---------------------------------|-------------------------|
| ANIMAL ID: 8 | TRT#: 1 | SEX: Male | DAY ON TEST: 729 |
| | DOSE: UNTREATD CONTROL | DISP: Terminal Sacrifice | HISTO: A85-0127 |

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 | Lymph Node - Mesenteric |
| Nose | Pancreas | Parathyroid Gland | Seminal Vesicle |
| Skin | Stomach - Forestomach | Stomach - Glandular | Thymus |
| Trachea | Urinary Bladder | | |

OBSERVATIONS

| | | | |
|-----------------|-------------------|----------------------------------|--------------------------|
| Adrenal Gland | Cortex | Degeneration | Fatty, Mild |
| | Medulla | Hyperplasia | Minimal |
| Epididymis | | Inflammation | Chronic, Mild |
| Heart | | Cardiomyopathy | Chronic, Mild |
| Kidney | | Nephropathy | Chronic, Moderate |
| | Renal Tubule | Pigmentation | Mild |
| Liver | | Basophilic Focus | |
| | Bile Duct | Hyperplasia | Mild |
| | Portal | Inflammation | Chronic, Mild |
| Lung | Arteriole | Mineralization | Minimal |
| Lymph Node | Mandibular | Hyperplasia | Lymphoid, Mild |
| | Mediastinal | Infiltration Cellular | Plasma Cell, Mild |
| Mammary Gland | Acinus | Ectasia | Mild |
| Pituitary Gland | Pars Distalis | Adenoma | |
| Preputial Gland | | Adenoma | |
| | | Inflammation | Chronic Active, Moderate |
| Prostate | | Inflammation | Chronic Active, Mild |
| Salivary Glands | | Infiltration Cellular | Lymphocyte, Mild |
| Spleen | | Hematopoietic Cell Proliferation | Minimal |
| | | Pigmentation | Moderate |
| Testes | Interstitial Cell | Adenoma | |
| | | Necrosis | Marked |

Note: ADENOMA TGLs = 1-6+13

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:10

First Dose M/F: NA / NA

Lab: SRI

| | | | |
|---------------------|-------------------------------|---------------------------------|-------------------------|
| ANIMAL ID: 8 | TRT#: 1 | SEX: Male | DAY ON TEST: 729 |
| | DOSE: UNTREATD CONTROL | DISP: Terminal Sacrifice | HISTO: A85-0127 |

ORGAN AND ACCOUNTABLE SITE STATUS

| | | | |
|-------------------------------|-------------|---------|--|
| Note: NECROSIS | TGLs = 1-13 | | |
| Thyroid Gland | C Cell | Adenoma | |
| PRIMARY CAUSE OF DEATH | - | | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:10

First Dose M/F: NA / NA

Lab: SRI

| | | | |
|---------------------|---|---|---|
| ANIMAL ID: 9 | TRT#: 1 DOSE: UNTREATD CONTROL | SEX: Male DISP: Moribund | DAY ON TEST: 701 HISTO: A85-0128 |
|---------------------|---|---|---|

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 | Lymph Node - Mesenteric | Parathyroid Gland | Salivary Glands |
| Seminal Vesicle | Stomach - Forestomach | Thymus | Thyroid Gland |
| Trachea | Urinary Bladder | | |

MISSING

Skin

OBSERVATIONS

| | | | |
|--------------------|---------------|-----------------------|----------------------|
| Adrenal Gland | Cortex | Degeneration | Fatty, Minimal |
| Heart | | Cardiomyopathy | Chronic, Minimal |
| Kidney | | Nephropathy | Chronic, Mild |
| | Renal Tubule | Pigmentation | Minimal |
| Liver | | Basophilic Focus | |
| | Bile Duct | Hyperplasia | Mild |
| | Portal | Inflammation | Chronic, Minimal |
| Lung | Alveolus | Infiltration Cellular | Histiocyte, Minimal |
| | Arteriole | Mineralization | Mild |
| Lymph Node | Mandibular | Hyperplasia | Lymphoid, Mild |
| Mammary Gland | | Fibroadenoma | |
| Note: FIBROADENOMA | TGLs = 1-13 | | |
| Mesentery | Fat | Necrosis | Moderate |
| Note: NECROSIS | TGLs = 3-14 | | |
| Nose | Mucosa | Inflammation | Acute, Moderate |
| Pancreas | Acinus | Atrophy | Mild |
| Pituitary Gland | Pars Distalis | Adenoma | |
| | Pars Distalis | Hyperplasia | Mild |
| Note: ADENOMA | TGLs = 5-1 | | |
| Preputial Gland | | Inflammation | Chronic, Minimal |
| Prostate | | Inflammation | Chronic Active, Mild |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:10

First Dose M/F: NA / NA

Lab: SRI

| | | | |
|---------------------|-------------------------------|-----------------------|-------------------------|
| ANIMAL ID: 9 | TRT#: 1 | SEX: Male | DAY ON TEST: 701 |
| | DOSE: UNTREATD CONTROL | DISP: Moribund | HISTO: A85-0128 |

ORGAN AND ACCOUNTABLE SITE STATUS

| | | | |
|---------------|-------------------|----------------------------------|---------|
| Spleen | | Hematopoietic Cell Proliferation | Minimal |
| | | Pigmentation | Mild |
| Stomach | Glandular, Mucosa | Dilatation | Minimal |
| Testes | Interstit Cell | Adenoma | |
| Note: ADENOMA | TGLs = 2-6 | | |

PRIMARY CAUSE OF DEATH -

Animal Note: COD-UNKNOWN

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:10

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 10

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: UNTREATD CONTROL

DISP: Terminal Sacrifice

HISTO: A85-0129

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

| | | | |
|----------------------------------|--------------|-----------------------|--------------------------|
| Adrenal Gland | Cortex | Hyperplasia | Mild |
| | Cortex | Leukemia Mononuclear | |
| | Medulla | Leukemia Mononuclear | |
| Bone | Femur | Hyperostosis | Mild |
| Heart | | Cardiomyopathy | Chronic, Mild |
| | | Leukemia Mononuclear | |
| Intestine Large | Cecum | Parasite Metazoan | |
| Kidney | | Nephropathy | Chronic, Mild |
| | Renal Tubule | Pigmentation | Mild |
| Liver | | Basophilic Focus | |
| | Bile Duct | Hyperplasia | Moderate |
| | Portal | Inflammation | Chronic, Mild |
| | | Leukemia Mononuclear | |
| | | Necrosis | Mild |
| Note: LEUKEMIA MONUC TGLs = 3-2 | | | |
| Lung | | Leukemia Mononuclear | |
| | Arteriole | Mineralization | Mild |
| Lymph Node | Mandibular | Hyperplasia | Lymphoid, Mild |
| Preputial Gland | | Inflammation | Chronic Active, Moderate |
| Prostate | | Inflammation | Chronic Active, Mild |
| Salivary Glands | | Infiltration Cellular | Lymphocyte, Mild |
| Spleen | | Leukemia Mononuclear | |
| Note: LEUKEMIA MONUC TGLs = 2-13 | | | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:10

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 10

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: UNTREATD CONTROL

DISP: Terminal Sacrifice

HISTO: A85-0129

ORGAN AND ACCOUNTABLE SITE STATUS

| | | | |
|---------------|-------------------|------------|------|
| Stomach | Glandular, Mucosa | Dilatation | Mild |
| Testes | Interstit Cell | Adenoma | |
| Note: ADENOMA | TGLs = 1-6 | | |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:10

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 11

TRT#: 1

SEX: Male

DAY ON TEST: 723

DOSE: UNTREATD CONTROL

DISP: Moribund

HISTO: A85-0130

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|-------------------------|---------------------------|--------------------------|----------------------------|
| Bone Marrow | Brain | Epididymis | Esophagus |
| Intestine Large - Cecum | Intestine Large - Colon | Intestine Large - Rectum | Intestine Small - Duodenum |
| Intestine Small - Ileum | Intestine Small - Jejunum | Islets, Pancreatic | Lymph Node - Mandibular |
| Lymph Node - Mesenteric | Salivary Glands | Seminal Vesicle | Skin |
| Trachea | Urinary Bladder | | |

MISSING

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

OBSERVATIONS

| | | | |
|-----------------------|----------------|---------------------------|------------------------|
| Adrenal Gland | Cortex | Degeneration | Fatty, Moderate |
| | Medulla | Hyperplasia | Mild |
| Bone | Cranium | Fibrous Osteodystrophy | Mild |
| | Femur | Fibrous Osteodystrophy | Mild |
| Heart | | Cardiomyopathy | Chronic, Minimal |
| Kidney | | Nephropathy | Chronic, Marked |
| | Renal Tubule | Pigmentation | Minimal |
| Note: NEPHROPATHY | TGLs = 4-5+13 | | |
| Note: COD-NEPHROPATHY | | | |
| Liver | Bile Duct | Hyperplasia | Mild |
| | Portal | Inflammation | Chronic, Minimal |
| | | Vacuolization Cytoplasmic | Minimal |
| Lung | Arteriole | Mineralization | Mild |
| Mammary Gland | Acinus | Ectasia | Mild |
| Nose | Olfactory Epi | Degeneration | Minimal |
| | Nasolacrim Dct | Inflammation | Acute, Minimal |
| Pancreas | Duct | Ectasia | Mild |
| Pituitary Gland | Pars Distalis | Adenoma | |
| Note: ADENOMA | TGLs = 5-1 | | |
| Preputial Gland | | Inflammation | Chronic, Mild |
| Prostate | | Inflammation | Chronic Active, Marked |
| Spleen | | Fibrosis | Moderate |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014
Time Report Requested: 08:21:10
First Dose M/F: NA / NA
Lab: SRI

| | | | |
|----------------------|-------------------------------|-----------------------|-------------------------|
| ANIMAL ID: 11 | TRT#: 1 | SEX: Male | DAY ON TEST: 723 |
| | DOSE: UNTREATD CONTROL | DISP: Moribund | HISTO: A85-0130 |

| ORGAN AND ACCOUNTABLE SITE STATUS | | | |
|--|---------------------------|----------------|--------------------------|
| | | Pigmentation | Moderate |
| Note: FIBROSIS Stomach | TGLs = 3-2 Forestomach | Hyperkeratosis | Moderate |
| | Forestomach | Inflammation | Chronic Active, Moderate |
| | Glandular | Mineralization | Moderate |
| Testes | Interstit Cell | Adenoma | |
| | | Atrophy | Moderate |
| | Interstit Cell | Hyperplasia | Mild |
| Note: ADENOMA Note: ATROPHY | TGLs = 1-6 TGLs = 2-6 | | |
| Thyroid Gland | C Cell | Hyperplasia | Mild |

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

Animal Note: TGL # 6 (CARCASS) - NCL

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:10

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 12

TRT#: 1

SEX: Male

DAY ON TEST: 561

DOSE: UNTREATD CONTROL

DISP: Moribund

HISTO: A85-0131

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 | Lymph Node - Mesenteric |
| Salivary Glands | Seminal Vesicle | Skin | Stomach - Forestomach |
| Stomach - Glandular | Testes | Thymus | Thyroid Gland |
| Trachea | Urinary Bladder | | |

MISSING

Parathyroid Gland

OBSERVATIONS

| | | | |
|--|-------------------------------------|--|---|
| Adrenal Gland | Cortex Medulla | Degeneration Pheochromocytoma Benign | Fatty, Mild |
| Brain | | Compression | Moderate |
| Heart | | Cardiomyopathy | Chronic, Mild |
| Kidney | | Nephropathy | Chronic, Moderate |
| Liver | Renal Tubule Bile Duct Portal | Pigmentation Hyperplasia Inflammation Vacuolization Cytoplasmic Alveolar/Bronchiolar Adenoma | Minimal Mild Chronic, Minimal Mild |
| Lung Note: ALV BRON ADEN TGLs = 3-13 | | | |
| Lymph Node | Mandibular | Hyperplasia | Lymphoid, Moderate |
| Mammary Gland Note: ECTASIA TGLs = 1-7 | Acinus | Ectasia | Marked |
| Nose | Olfactory Epi | Degeneration | Mild |
| Pancreas | Acinus | Atrophy | Mild |
| Pituitary Gland Note: COD-ADENOMA Note: ADENOMA TGLs = 2-1 | Pars Distalis | Adenoma | |
| Preputial Gland | | Inflammation | Chronic Active, Mild |
| Prostate | | Inflammation | Chronic Active, Moderate |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:10

First Dose M/F: NA / NA

Lab: SRI

| | | | |
|----------------------|-------------------------------|-----------------------|-------------------------|
| ANIMAL ID: 12 | TRT#: 1 | SEX: Male | DAY ON TEST: 561 |
| | DOSE: UNTREATD CONTROL | DISP: Moribund | HISTO: A85-0131 |

ORGAN AND ACCOUNTABLE SITE STATUS

| | | |
|--------|----------------------------------|----------|
| Spleen | Hematopoietic Cell Proliferation | Minimal |
| | Pigmentation | Moderate |

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

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:10

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 13

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: UNTREATD CONTROL

DISP: Terminal Sacrifice

HISTO: A85-0132

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 |
| Pancreas | Parathyroid Gland | Salivary Glands | Seminal Vesicle |
| Stomach - Forestomach | Thymus | Trachea | Urinary Bladder |

OBSERVATIONS

| | | | |
|---|--------------|-----------------------------------|--------------------|
| Adrenal Gland | Cortex | Accessory Adrenal Cortical Nodule | |
| | Cortex | Degeneration | Fatty, Mild |
| | Cortex | Hyperplasia | Mild |
| | Cortex | Leukemia Mononuclear | |
| | Medulla | Leukemia Mononuclear | |
| Note: 1991 CONVERSION DISCREPANCY. ORIGINAL DIAGNOSIS SITE NOT SPECIFIED. | | | |
| Heart | | Cardiomyopathy | Chronic, Mild |
| Kidney | | Nephropathy | Chronic, Moderate |
| | Renal Tubule | Pigmentation | Mild |
| Note: NEPHROPATHY TGLs = 8-5 | | | |
| Liver | | Basophilic Focus | |
| | Bile Duct | Hyperplasia | Mild |
| | Portal | Inflammation | Chronic, Mild |
| | | Leukemia Mononuclear | |
| Note: LEUKEMIA MONUC TGLs = 9-2 | | | |
| Lung | | Leukemia Mononuclear | |
| | Arteriole | Mineralization | Mild |
| Lymph Node | Mandibular | Hyperplasia | Lymphoid, Moderate |
| | Mediastinal | Leukemia Mononuclear | |
| | Mesenteric | Leukemia Mononuclear | |
| | Pancreatic | Leukemia Mononuclear | |
| Note: LEUKEMIA MONUC TGLs = 5-14 | | | |
| Note: LEUKEMIA MONUC TGLs = 10-4 | | | |
| Mammary Gland | Acinus | Ectasia | Moderate |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:10

First Dose M/F: NA / NA

Lab: SRI

| | | | |
|----------------------|-------------------------------|---------------------------------|-------------------------|
| ANIMAL ID: 13 | TRT#: 1 | SEX: Male | DAY ON TEST: 729 |
| | DOSE: UNTREATD CONTROL | DISP: Terminal Sacrifice | HISTO: A85-0132 |

ORGAN AND ACCOUNTABLE SITE STATUS

| | | | |
|-------------------------------------|-------------------|-------------------------|--------------------------|
| Nose | Olfactory Epi | Degeneration | Minimal |
| | Nasolacrim Dct | Inflammation | Acute, Minimal |
| Pituitary Gland | Pars Distalis | Adenoma | |
| | Pars Distalis | Hemorrhage | Moderate |
| | Pars Distalis | Hyperplasia | Mild |
| Note: HEMORRHAGE TGLs = 11-1 | | | |
| Preputial Gland | | Abscess | Marked |
| Note: ABSCESS TGLs = 2-8 | | | |
| Prostate | | Inflammation | Chronic Active, Moderate |
| Note: INFLAMMATION TGLs = 4-6 | | | |
| Skin | | Squamous Cell Papilloma | |
| Note: PAPILLOMA SQUA TGLs = 1-13 | | | |
| Spleen | | Leukemia Mononuclear | |
| | | Necrosis | Mild |
| Note: LEUKEMIA MONUC TGLs = 6-15+16 | | | |
| Note: NECROSIS TGLs = 7-15 | | | |
| Stomach | Glandular, Mucosa | Dilatation | Minimal |
| Testes | Interstit Cell | Adenoma | |
| Note: ADENOMA TGLs = 3-6 | | | |
| Thyroid Gland | Follicle | Ectasia | Mild |

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

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:10

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 14

TRT#: 1

SEX: Male

DAY ON TEST: 662

DOSE: UNTREATD CONTROL

DISP: Moribund

HISTO: A85-0133

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|--------------------------|----------------------------|-------------------------|---------------------------|
| Blood | 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 | Parathyroid Gland | Prostate | Seminal Vesicle |
| Skin | Stomach - Glandular | Thyroid Gland | Trachea |
| Urinary Bladder | | | |

MISSING

Mammary Gland

OBSERVATIONS

| | | | |
|----------------------|--------------------|----------------------------|-------------------|
| Adrenal Gland | Cortex | Degeneration | Fatty, Mild |
| | Cortex | Necrosis | Mild |
| | Bilateral, Medulla | Pheochromocytoma Benign | |
| Blood | | | |
| Note: TGL#1-NCL | | | |
| Heart | | Cardiomyopathy | Chronic, Mild |
| Kidney | | Nephropathy | Chronic, Marked |
| | Renal Tubule | Pigmentation | Mild |
| Liver | | Angiectasis | Moderate |
| | | Developmental Malformation | |
| | Bile Duct | Hyperplasia | Marked |
| | Portal | Inflammation | Chronic, Moderate |
| | | Leukemia Mononuclear | |
| Note: DEVELOP MALFOR | TGLs = 7-14 | | |
| Note: LEUKEMIA MONUC | TGLs = 6-2+14 | | |
| Lung | | Leukemia Mononuclear | |
| Lymph Node | Mandibular | Leukemia Mononuclear | |
| | Mesenteric | Leukemia Mononuclear | |
| Note: LEUKEMIA MONUC | TGLs = 8-7 | | |
| Nose | Olfactory Epi | Degeneration | Minimal |
| | Nasolacrim Dct | Inflammation | Acute, Minimal |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014
Time Report Requested: 08:21:10
First Dose M/F: NA / NA
Lab: SRI

| | | | |
|----------------------|-------------------------------|-----------------------|-------------------------|
| ANIMAL ID: 14 | TRT#: 1 | SEX: Male | DAY ON TEST: 662 |
| | DOSE: UNTREATD CONTROL | DISP: Moribund | HISTO: A85-0133 |

ORGAN AND ACCOUNTABLE SITE STATUS

| | | | |
|--------------------------|----------------|----------------------|-------------|
| Pancreas | | Leukemia Mononuclear | |
| Pituitary Gland | Pars Distalis | Hyperplasia | Moderate |
| Preputial Gland | | Adenoma | |
| Note: ADENOMA | TGLs = 2-8 | | |
| Salivary Glands | | Leukemia Mononuclear | |
| Spleen | | Leukemia Mononuclear | |
| Note: COD-LEUKEMIA MONUC | | | |
| Note: LEUKEMIA MONUC | TGLs = 5-2+13 | | |
| Stomach | Forestomach | Inflammation | Acute, Mild |
| Testes | Interstit Cell | Adenoma | |
| | Interstit Cell | Hyperplasia | Minimal |
| Note: ADENOMA | TGLs = 3-6 | | |
| Thymus | | Leukemia Mononuclear | |

PRIMARY CAUSE OF DEATH

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:10

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 15

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: UNTREATD CONTROL

DISP: Terminal Sacrifice

HISTO: A85-0134

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 | Lymph Node - Mandibular | Lymph Node - Mesenteric |
| Mammary Gland | Parathyroid Gland | Salivary Glands | Seminal Vesicle |
| Skin | Stomach - Forestomach | Thymus | Thyroid Gland |
| Trachea | | | |

OBSERVATIONS

| | | | |
|-----------------|-------------------|----------------------------------|----------------------|
| Heart | | Cardiomyopathy | Chronic, Mild |
| Kidney | | Nephropathy | Chronic, Mild |
| | Renal Tubule | Pigmentation | Mild |
| Liver | | Basophilic Focus | |
| | Bile Duct | Hyperplasia | Mild |
| | Portal | Inflammation | Chronic, Mild |
| | | Necrosis | Minimal |
| Lung | Arteriole | Mineralization | Mild |
| Nose | Olfactory Epi | Degeneration | Minimal |
| | Nasolacrim Dct | Inflammation | Acute, Mild |
| Pancreas | Acinus | Atrophy | Mild |
| Pituitary Gland | Pars Distalis | Adenoma | |
| | Pars Distalis | Cyst | |
| Preputial Gland | | Inflammation | Chronic, Mild |
| Prostate | | Inflammation | Chronic Active, Mild |
| Spleen | | Hematopoietic Cell Proliferation | Minimal |
| | | Pigmentation | Mild |
| Stomach | Glandular, Mucosa | Dilatation | Mild |
| Testes | Interstit Cell | Adenoma | |
| Note: ADENOMA | TGLs = 1-6 | | |
| Urinary Bladder | | Infiltration Cellular | Lymphocyte, Mild |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:10

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 16

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: UNTREATD CONTROL

DISP: Terminal Sacrifice

HISTO: A85-0135

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

| | | | |
|-------------------------------|----------------|-------------------------|--------------------------|
| Adrenal Gland | Cortex | Degeneration | Fatty, Mild |
| | Medulla | Pheochromocytoma Benign | |
| Heart | | Cardiomyopathy | Chronic, Moderate |
| Intestine Large | Colon | Parasite Metazoan | |
| Kidney | | Nephropathy | Chronic, Moderate |
| | Renal Tubule | Pigmentation | Mild |
| Liver | | Basophilic Focus | |
| | Bile Duct | Hyperplasia | Mild |
| | Portal | Inflammation | Chronic, Mild |
| | | Leukemia Mononuclear | |
| Note: INFLAMMATION TGLs = 4-2 | | | |
| Lung | Arteriole | Mineralization | Mild |
| Lymph Node | Mandibular | Hyperplasia | Lymphoid, Mild |
| Mammary Gland | Acinus | Ectasia | Minimal |
| Nose | Olfactory Epi | Degeneration | Mild |
| | Respirat Epith | Degeneration | Minimal |
| Pancreas | Acinus | Atrophy | Mild |
| Pituitary Gland | Pars Distalis | Adenoma | |
| Note: ADENOMA TGLs = 5-1 | | | |
| Preputial Gland | Duct | Ectasia | Mild |
| | | Inflammation | Chronic, Mild |
| Note: ECTASIA TGLs = 1-8 | | | |
| Prostate | | Inflammation | Chronic Active, Moderate |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:10

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 16

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: UNTREATD CONTROL

DISP: Terminal Sacrifice

HISTO: A85-0135

ORGAN AND ACCOUNTABLE SITE STATUS

Note: INFLAMMATION TGLs = 3-6

Spleen

Hematopoietic Cell Proliferation

Moderate

Stomach

Glandular, Mucosa

Dilatation

Minimal

Testes

Interstit Cell

Adenoma

Note: ADENOMA TGLs = 2-6

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:10

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 17

TRT#: 1

SEX: Male

DAY ON TEST: 561

DOSE: UNTREATD CONTROL

DISP: Moribund

HISTO: A85-0136

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

| | | | |
|-------------------|----------------|------------------------|--------------------------|
| Adrenal Gland | Cortex | Degeneration | Fatty, Mild |
| | Cortex | Leukemia Mononuclear | |
| Bone | Femur | Fibrous Osteodystrophy | Mild |
| Bone Marrow | | Leukemia Mononuclear | |
| Heart | | Cardiomyopathy | Chronic, Mild |
| | | Leukemia Mononuclear | |
| Kidney | | Cyst | |
| | | Nephropathy | Chronic, Mild |
| | Renal Tubule | Pigmentation | Mild |
| Note: NEPHROPATHY | TGLs = 2-5+14 | | |
| Note: CYST | TGLs = 3-14 | | |
| Liver | Bile Duct | Hyperplasia | Mild |
| | Portal | Inflammation | Chronic, Mild |
| | | Leukemia Mononuclear | |
| Lung | | Leukemia Mononuclear | |
| | Arteriole | Mineralization | Mild |
| Lymph Node | Mandibular | Hyperplasia | Lymphoid, Mild |
| Nose | Olfactory Epi | Degeneration | Mild |
| | Respirat Epith | Degeneration | Minimal |
| | Nasolacrim Dct | Hemorrhage | Mild |
| Pancreas | Acinus | Atrophy | Minimal |
| Preputial Gland | | Adenoma | |
| | | Inflammation | Chronic Active, Moderate |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014
Time Report Requested: 08:21:10
First Dose M/F: NA / NA
Lab: SRI

| | | | |
|----------------------|-------------------------------|-----------------------|-------------------------|
| ANIMAL ID: 17 | TRT#: 1 | SEX: Male | DAY ON TEST: 561 |
| | DOSE: UNTREATD CONTROL | DISP: Moribund | HISTO: A85-0136 |

ORGAN AND ACCOUNTABLE SITE STATUS

| | | | |
|----------------------------------|-------------------|----------------------|----------------------|
| Prostate | | Inflammation | Chronic Active, Mild |
| Spleen | | Leukemia Mononuclear | |
| Note: COD-LEUKEMIA MONUC | | | |
| Note: LEUKEMIA MONUC TGLs = 4-13 | | | |
| Stomach | Glandular, Mucosa | Dilatation | Mild |
| Testes | | Atrophy | Marked |
| | Interstit Cell | Hyperplasia | Minimal |
| Note: HYPERPLASIA TGLs = 1-6 | | | |
| Note: ATROPHY TGLs = 1-6 | | | |

PRIMARY CAUSE OF DEATH

-

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:10

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 18

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: UNTREATD CONTROL

DISP: Terminal Sacrifice

HISTO: A85-0137

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

| | | | |
|---|-------------------------------|--|----------------------|
| Adrenal Gland | Medulla Bilateral, Medulla | Hyperplasia Pheochromocytoma Benign | Mild |
| Note: 1991 CONVERSION DISCREPANCY. ORIGINAL DIAGNOSIS SITE NOT SPECIFIED. | | | |
| Bone | Femur | Lymphoma Malignant Lymphocytic | |
| Bone Marrow | | Lymphoma Malignant Lymphocytic | |
| Note: LYMPH MAL LYMP TGLs = 4-9 | | | |
| Heart | | Cardiomyopathy | Chronic, Moderate |
| Kidney | | Nephropathy | Chronic, Moderate |
| | Renal Tubule | Pigmentation | Mild |
| Liver | | Basophilic Focus | |
| | Bile Duct | Hyperplasia | Mild |
| Lung | | Lymphoma Malignant Lymphocytic | |
| | Arteriole | Mineralization | Mild |
| Lymph Node | Mandibular | Lymphoma Malignant Lymphocytic | |
| | Mesenteric | Lymphoma Malignant Lymphocytic | |
| Note: LYMPH MAL LYMP TGLs = 1-7 | | | |
| Nose | Olfactory Epi Lumen | Degeneration Hemorrhage | Mild Mild |
| Pancreas | | Lymphoma Malignant Lymphocytic | |
| Preputial Gland | | Inflammation | Chronic, Mild |
| Prostate | | Inflammation | Chronic Active, Mild |
| Spleen | | Hematopoietic Cell Proliferation | Mild |
| | | Lymphoma Malignant Lymphocytic | |
| | | Pigmentation | Mild |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:10

First Dose M/F: NA / NA

Lab: SRI

| | | | |
|----------------------|-------------------------------|---------------------------------|-------------------------|
| ANIMAL ID: 18 | TRT#: 1 | SEX: Male | DAY ON TEST: 729 |
| | DOSE: UNTREATD CONTROL | DISP: Terminal Sacrifice | HISTO: A85-0137 |

| ORGAN AND ACCOUNTABLE SITE STATUS | | | |
|--|-------------------|--------------------------------|------|
| Stomach | Glandular, Mucosa | Dilatation | Mild |
| Testes | Interstitial Cell | Adenoma | |
| Note: ADENOMA | TGLs = 2-6 | | |
| Thymus | | Lymphoma Malignant Lymphocytic | |
| Note: LYMPH MAL LYMP | TGLs = 3-13 | | |

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

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:10

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 19

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: UNTREATD CONTROL

DISP: Terminal Sacrifice

HISTO: A85-0138

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 | Lymph Node - Mesenteric |
| Mammary Gland | Pancreas | Parathyroid Gland | Salivary Glands |
| Seminal Vesicle | Skin | Stomach - Forestomach | Stomach - Glandular |
| Thymus | Thyroid Gland | Trachea | Urinary Bladder |

OBSERVATIONS

| | | | |
|--|----------------|----------------------------------|--------------------------|
| Adrenal Gland | Cortex | Degeneration | Fatty, Mild |
| | Cortex | Hyperplasia | Mild |
| | Medulla | Pheochromocytoma Benign | |
| Note: [PHEOCHROM BGN] TGLs = 2-8+8.1 | | | |
| Blood Vessel | Artery | Inflammation | Chronic, Marked |
| Note: BLOOD VESSEL-BLOCK # 4 | | | |
| Brain | | Hemangioma | |
| Note: HEMANGIOMA TGLs = 3-1.1 | | | |
| Heart | | Cardiomyopathy | Chronic, Moderate |
| Kidney | | Nephropathy | Chronic, Marked |
| | Renal Tubule | Pigmentation | Mild |
| Liver | | Basophilic Focus | |
| | Bile Duct | Hyperplasia | Mild |
| | Portal | Inflammation | Chronic, Mild |
| Lung | Arteriole | Mineralization | Mild |
| Lymph Node | Mandibular | Hyperplasia | Lymphoid, Mild |
| Nose | Olfactory Epi | Degeneration | Mild |
| | Respirat Epith | Degeneration | Minimal |
| | Nasolacrim Dct | Inflammation | Acute, Mild |
| Pituitary Gland | Pars Distalis | Infiltration Cellular | Lymphocyte, Mild |
| Preputial Gland | | Inflammation | Chronic Active, Moderate |
| Prostate | | Inflammation | Chronic, Moderate |
| Spleen | | Hematopoietic Cell Proliferation | Minimal |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014
Time Report Requested: 08:21:10
First Dose M/F: NA / NA
Lab: SRI

| | | | |
|----------------------|-------------------------------|---------------------------------|-------------------------|
| ANIMAL ID: 19 | TRT#: 1 | SEX: Male | DAY ON TEST: 729 |
| | DOSE: UNTREATD CONTROL | DISP: Terminal Sacrifice | HISTO: A85-0138 |

ORGAN AND ACCOUNTABLE SITE STATUS

| | | | |
|---------------|-------------------|--------------|------|
| Testes | Interstitial Cell | Pigmentation | Mild |
| Note: ADENOMA | TGLs = 1-6 | Adenoma | |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:10

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 20

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: UNTREATD CONTROL

DISP: Terminal Sacrifice

HISTO: A85-0139

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 |
| Lymph Node - Mesenteric | Mammary Gland | Seminal Vesicle | Skin |
| Stomach - Forestomach | Thymus | Thyroid Gland | Trachea |
| Urinary Bladder | | | |

MISSING

Parathyroid Gland

OBSERVATIONS

| | | | |
|-------------------------|--------------------|-------------------------|-------------------|
| Adrenal Gland | Bilateral, Medulla | Pheochromocytoma Benign | |
| Note: [PHEOCHROM BGN] | TGLs = 5-8 | | |
| Heart | | Cardiomyopathy | Chronic, Mild |
| Islets, Pancreatic | | Adenoma | |
| Note: ADENOMA | TGLs = 4-4 | | |
| Kidney | | Nephropathy | Chronic, Moderate |
| | Renal Tubule | Pigmentation | Minimal |
| Liver | | Basophilic Focus | |
| | Bile Duct | Hyperplasia | Moderate |
| | Portal | Inflammation | Chronic, Mild |
| Lung | Arteriole | Mineralization | Mild |
| Lymph Node | Mandibular | Hyperplasia | Lymphoid, Mild |
| Nose | Olfactory Epi | Degeneration | Mild |
| | Respirat Epith | Degeneration | Mild |
| | Lumen | Hemorrhage | Minimal |
| | Mucosa | Inflammation | Acute, Mild |
| Pancreas | Acinus | Atrophy | Minimal |
| Pituitary Gland | Pars Distalis | Cyst | |
| | Pars Distalis | Hyperplasia | Mild |
| Preputial Gland | | Inflammation | Chronic, Mild |
| Prostate | | Inflammation | Chronic, Mild |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014
Time Report Requested: 08:21:10
First Dose M/F: NA / NA
Lab: SRI

| | | | |
|----------------------|-------------------------------|---------------------------------|-------------------------|
| ANIMAL ID: 20 | TRT#: 1 | SEX: Male | DAY ON TEST: 729 |
| | DOSE: UNTREATD CONTROL | DISP: Terminal Sacrifice | HISTO: A85-0139 |

ORGAN AND ACCOUNTABLE SITE STATUS

| | | | |
|-----------------|-------------------|----------------------------------|------------------|
| Salivary Glands | | Infiltration Cellular | Lymphocyte, Mild |
| Spleen | | Hematopoietic Cell Proliferation | Minimal |
| | | Pigmentation | Mild |
| Stomach | Glandular, Mucosa | Dilatation | Mild |
| Testes | Interstit Cell | Adenoma | |
| | | Atrophy | Marked |
| Note: ATROPHY | TGLs = 3-6+6.1 | | |
| Note: ADENOMA | TGLs = 1,2-6+6.1 | | |

PRIMARY CAUSE OF DEATH

-

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:10

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 26

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: UNTREATD CONTROL

DISP: Terminal Sacrifice

HISTO: A85-0145

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 |
| Mammary Gland | Parathyroid Gland | Salivary Glands | Seminal Vesicle |
| Skin | Stomach - Forestomach | Trachea | Urinary Bladder |

OBSERVATIONS

| | | | |
|----------------------|----------------|-------------------------|-------------------|
| Adrenal Gland | Cortex | Adenoma | |
| | Cortex | Degeneration | Fatty, Minimal |
| | Medulla | Pheochromocytoma Benign | |
| Heart | | Cardiomyopathy | Chronic, Moderate |
| | Kidney | Nephropathy | Chronic, Mild |
| Renal Tubule | | Pigmentation | Minimal |
| Liver | | | Basophilic Focus |
| | Bile Duct | Hyperplasia | Mild |
| | Portal | Inflammation | Chronic, Mild |
| Lung | | Leukemia Mononuclear | |
| | Lymph Node | Mandibular | Cyst |
| Mandibular | | Hyperplasia | Lymphoid, Mild |
| Mediastinal | | Leukemia Mononuclear | |
| Mesenteric | | Leukemia Mononuclear | |
| Pancreatic | | Leukemia Mononuclear | |
| Note: LEUKEMIA MONUC | TGLs = 4-14 | | |
| | TGLs = 5-3+15 | | |
| Nose | Olfactory Epi | Degeneration | Mild |
| | Lumen | Hemorrhage | Minimal |
| | Nasolacrim Dct | Inflammation | Acute, Mild |
| Pancreas | Acinus | Atrophy | Moderate |
| Pituitary Gland | Pars Distalis | Adenoma | |
| | Pars Intermed | Adenoma | |
| | Pars Distalis | Hyperplasia | Mild |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014
Time Report Requested: 08:21:10
First Dose M/F: NA / NA
Lab: SRI

| | | | |
|----------------------|-------------------------------|---------------------------------|-------------------------|
| ANIMAL ID: 26 | TRT#: 1 | SEX: Male | DAY ON TEST: 729 |
| | DOSE: UNTREATD CONTROL | DISP: Terminal Sacrifice | HISTO: A85-0145 |

ORGAN AND ACCOUNTABLE SITE STATUS

| | | | |
|----------------------|-------------------|----------------------------------|--------------------------|
| Preputial Gland | | Inflammation | Chronic Active, Moderate |
| Prostate | | Inflammation | Chronic Active, Mild |
| Spleen | | Fibrosis | Mild |
| | | Hematopoietic Cell Proliferation | Minimal |
| | | Leukemia Mononuclear | |
| | | Pigmentation | Mild |
| Note: FIBROSIS | TGLs = 3-13 | | |
| Note: LEUKEMIA MONUC | TGLs = 2-2+13 | | |
| Stomach | Glandular, Mucosa | Dilatation | Mild |
| Testes | Interstit Cell | Adenoma | |
| Note: ADENOMA | TGLs = 1-6 | | |
| Thymus | | Leukemia Mononuclear | |
| Thyroid Gland | C Cell | Hyperplasia | Mild |
| | | Ultimobranchial Cyst | |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:10

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 27

TRT#: 1

SEX: Male

DAY ON TEST: 700

DOSE: UNTREATD CONTROL

DISP: Moribund

HISTO: A85-0146

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 |
| Parathyroid Gland | Salivary Glands | Skin | Thymus |
| Thyroid Gland | Trachea | | |

OBSERVATIONS

| | | | |
|------------------------------------|--------------|----------------------------|-----------------------|
| Adrenal Gland | Cortex | Leukemia Mononuclear | |
| | Medulla | Leukemia Mononuclear | |
| | Medulla | Pheochromocytoma Benign | |
| Heart | | Leukemia Mononuclear | |
| | | Pigmentation | Hemosiderin, Moderate |
| Note: PIGMENT TGLs = 8-15 | | | |
| Kidney | Renal Tubule | Nephropathy | Chronic, Moderate |
| | | Pigmentation | Mild |
| Liver | | Basophilic Focus | |
| | | Developmental Malformation | |
| | Bile Duct | Hepatocellular Adenoma | |
| | Portal | Hyperplasia | Marked |
| | | Inflammation | Chronic, Mild |
| | | Leukemia Mononuclear | |
| | | Necrosis | Mild |
| Note: DEVELOP MALFOR TGLs = 6-13 | | | |
| Note: HYPERPLASIA TGLs = 5-13+2 | | | |
| Note: LEUKEMIA MONUC TGLs = 5-13+2 | | | |
| Lung | | Leukemia Mononuclear | |
| Lymph Node | Mandibular | Hyperplasia | Lymphoid, Moderate |
| | Mediastinal | Leukemia Mononuclear | |
| | Mesenteric | Leukemia Mononuclear | |
| Note: LEUKEMIA MONUC TGLs = 7-14 | | | |
| Mammary Gland | Acinus | Hyperplasia | Mild |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:10

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 27

TRT#: 1

SEX: Male

DAY ON TEST: 700

DOSE: UNTREATD CONTROL

DISP: Moribund

HISTO: A85-0146

ORGAN AND ACCOUNTABLE SITE STATUS

| | | | |
|---------------------------------|-------------------|----------------------|----------------------|
| Nose | Mucosa | Inflammation | Acute, Mild |
| Pancreas | Acinus | Atrophy | Mild |
| Pituitary Gland | Pars Distalis | Adenoma | |
| | | Leukemia Mononuclear | |
| Preputial Gland | | Inflammation | Chronic, Mild |
| Prostate | | Inflammation | Chronic Active, Mild |
| Seminal Vesicle | | Leukemia Mononuclear | |
| Spleen | | Leukemia Mononuclear | |
| Note: COD-LEUKEMIA MONUC | | | |
| Note: LEUKEMIA MONUC TGLs = 4-2 | | | |
| Stomach | Glandular, Mucosa | Dilatation | Mild |
| | Forestomach | Leukemia Mononuclear | |
| Testes | Interstit Cell | Adenoma | |
| | | Atrophy | Marked |
| | Interstit Cell | Hyperplasia | Mild |
| Note: ATROPHY TGLs = 2-6 | | | |
| Note: ADENOMA TGLs = 3-6 | | | |
| Urinary Bladder | | Leukemia Mononuclear | |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:10

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 28

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: UNTREATD CONTROL

DISP: Terminal Sacrifice

HISTO: A85-0147

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 - Jejunum | Lymph Node - Mesenteric | Nose |
| Parathyroid Gland | Salivary Glands | Seminal Vesicle | Stomach - Forestomach |
| Thymus | Trachea | Urinary Bladder | |

OBSERVATIONS

| | | | |
|------------------------------------|---------------------|---|---|
| Adrenal Gland | Cortex Medulla | Leukemia Mononuclear Pheochromocytoma Benign | |
| Note: [PHEOCHROM BGN] TGLs = 5-8 | | | |
| Heart | | Cardiomyopathy | Chronic, Mild |
| Intestine Small | Ileum | Leukemia Mononuclear | |
| Islets, Pancreatic | | Adenoma | |
| Kidney | Renal Tubule | Nephropathy Pigmentation | Chronic, Marked Minimal |
| Liver | Bile Duct Portal | Basophilic Focus Hyperplasia Inflammation | Mild Chronic, Minimal |
| Lung | Alveolus | Leukemia Mononuclear Infiltration Cellular Leukemia Mononuclear | Histiocyte, Mild |
| Lymph Node | Mandibular | Hyperplasia | Lymphoid, Mild |
| Mammary Gland | | Neurofibrosarcoma | Deep Invasion (Skin), Metastatic (Skin) |
| Pancreas | Acinus | Atrophy | Mild |
| Pituitary Gland | Pars Distalis | Adenoma | |
| Note: ADENOMA TGLs = 6-1 | | | |
| Preputial Gland | | Inflammation | Chronic, Mild |
| Prostate | | Inflammation | Chronic Active, Mild |
| Skin | Subcut Tiss | Neurofibrosarcoma | |
| Note: NEUROFIBROSARC TGLs = 1-13 | | | |
| Spleen | | Fibrosis | Moderate |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:10

First Dose M/F: NA / NA

Lab: SRI

| | | | |
|----------------------|-------------------------------|---------------------------------|-------------------------|
| ANIMAL ID: 28 | TRT#: 1 | SEX: Male | DAY ON TEST: 729 |
| | DOSE: UNTREATD CONTROL | DISP: Terminal Sacrifice | HISTO: A85-0147 |

ORGAN AND ACCOUNTABLE SITE STATUS

| | | | |
|------------------------------------|-------------------|----------------------------------|---------|
| | | Hematopoietic Cell Proliferation | Mild |
| | | Leukemia Mononuclear | |
| Note: LEUKEMIA MONUC TGLs = 3-2+14 | | | |
| Note: FIBROSIS TGLs = 4-14 | | | |
| Stomach | Glandular, Mucosa | Dilatation | Mild |
| Testes | Interstit Cell | Adenoma | |
| Note: ADENOMA TGLs = 2-6 | | | |
| Thyroid Gland | C Cell | Hyperplasia | Minimal |
| Tongue | | Squamous Cell Papilloma | |
| Note: PAPILLOMA SQUA TGLs = 7-22 | | | |

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

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:10

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 29

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: UNTREATD CONTROL

DISP: Terminal Sacrifice

HISTO: A85-0148

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

| | | | |
|-----------------|---------------|-------------------------|-------------------|
| Adrenal Gland | Cortex | Degeneration | Fatty, Mild |
| | Cortex | Hyperplasia | Mild |
| | Medulla | Hyperplasia | Mild |
| | Medulla | Pheochromocytoma Benign | |
| Bone Marrow | | Hemorrhage | Moderate |
| Eye | | Cataract | Mild |
| | Retina | Degeneration | Marked |
| | Sclera | Mineralization | Mild |
| Note: DEGEN | TGLs = 1-13 | | |
| Note: CATARACT | TGLs = 1-13 | | |
| Heart | | Cardiomyopathy | Chronic, Moderate |
| Kidney | | Nephropathy | Chronic, Marked |
| | Renal Tubule | Pigmentation | Minimal |
| Liver | | Basophilic Focus | |
| | Bile Duct | Hyperplasia | Minimal |
| | Portal | Inflammation | Chronic, Minimal |
| Lung | Alveolus | Infiltration Cellular | Histiocyte, Mild |
| | Arteriole | Mineralization | Mild |
| Lymph Node | Mandibular | Hyperplasia | Lymphoid, Mild |
| Nose | Olfactory Epi | Degeneration | Mild |
| | Lumen | Hemorrhage | Minimal |
| | Mucosa | Inflammation | Acute, Minimal |
| Pituitary Gland | Pars Distalis | Adenoma | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014
Time Report Requested: 08:21:10
First Dose M/F: NA / NA
Lab: SRI

| | | | |
|----------------------|-------------------------------|---------------------------------|-------------------------|
| ANIMAL ID: 29 | TRT#: 1 | SEX: Male | DAY ON TEST: 729 |
| | DOSE: UNTREATD CONTROL | DISP: Terminal Sacrifice | HISTO: A85-0148 |

ORGAN AND ACCOUNTABLE SITE STATUS

| | | | |
|-----------------|------------|----------------------------------|--------------------------|
| Note: ADENOMA | TGLs = 4-1 | | |
| Preputial Gland | | Carcinoma | |
| | | Inflammation | Chronic Active, Moderate |
| Note: CARCINOMA | TGLs = 2-8 | | |
| Prostate | | Inflammation | Chronic Active, Moderate |
| Spleen | | Hematopoietic Cell Proliferation | Mild |
| Stomach | | Dilatation | Mild |
| Testes | | Adenoma | |
| | | Hyperplasia | Mild |
| Note: ADENOMA | TGLs = 3-6 | | |
| Thyroid Gland | | C Cell | |
| | | Hyperplasia | Minimal |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:10

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 30

TRT#: 1

SEX: Male

DAY ON TEST: 470

DOSE: UNTREATD CONTROL

DISP: Moribund

HISTO: A84031021

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 | Mammary Gland |
| Nose | Pancreas | Parathyroid Gland | Pituitary Gland |
| Preputial Gland | Prostate | Salivary Glands | Seminal Vesicle |
| Skin | Thymus | Thyroid Gland | Trachea |
| Urinary Bladder | | | |

OBSERVATIONS

| | | | |
|---------------|--------------|--------------------------------------|------------------|
| Adrenal Gland | Cortex | Degeneration | Fatty, Minimal |
| Bone Marrow | | Leukemia Mononuclear | |
| Brain | | Hemorrhage | Mild |
| | | Leukemia Mononuclear | |
| | | [Leukemia Mononuclear TGLs = 8-22] | |
| Heart | | Leukemia Mononuclear | |
| Kidney | | Leukemia Mononuclear | |
| | | Nephropathy | Chronic, Mild |
| | Renal Tubule | Pigmentation | Mild |
| Liver | Bile Duct | Hyperplasia | Moderate |
| | | Leukemia Mononuclear | |
| | | Note: LEUKEMIA MONUC TGLs = 5-5 | |
| Lung | Alveolus | Infiltration Cellular | Histiocyte, Mild |
| | | Leukemia Mononuclear | |
| | Arteriole | Mineralization | Mild |
| | | Note: LEUKEMIA MONUC TGLs = 6-4 | |
| | | Note: INFILTRAT CELL TGLs = 7-4 | |
| Lymph Node | Mandibular | Leukemia Mononuclear | |
| | Mesenteric | Leukemia Mononuclear | |
| | Pancreatic | Leukemia Mononuclear | |
| | | Note: LEUKEMIA MONUC TGLs = 2-5 | |
| Spleen | | Leukemia Mononuclear | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014
Time Report Requested: 08:21:10
First Dose M/F: NA / NA
Lab: SRI

| | | | |
|----------------------|-------------------------------|-----------------------|-------------------------|
| ANIMAL ID: 30 | TRT#: 1 | SEX: Male | DAY ON TEST: 470 |
| | DOSE: UNTREATD CONTROL | DISP: Moribund | HISTO: A84031021 |

| ORGAN AND ACCOUNTABLE SITE STATUS | | | |
|--|----------------|----------------------|----------|
| | | Necrosis | Moderate |
| Note: NECROSIS TGLs = 4-21 | | | |
| Note: LEUKEMIA MONUC TGLs = 3-2.1 | | | |
| Stomach | Forestomach | Leukemia Mononuclear | |
| | Glandular | Leukemia Mononuclear | |
| Testes | Interstit Cell | Adenoma | |
| | Interstit Cell | Hyperplasia | Mild |
| Note: ADENOMA TGLs = 1-7 | | | |

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

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:10

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 31

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: UNTREATD CONTROL

DISP: Terminal Sacrifice

HISTO: A85-0150

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 | Pancreas | Parathyroid Gland | Salivary Glands |
| Seminal Vesicle | Skin | Stomach - Forestomach | Stomach - Glandular |
| Trachea | Urinary Bladder | | |

OBSERVATIONS

| | | | |
|--|---------------|------------------------|-------------------|
| Blood Vessel Note: BLOOD VESSEL - BLOCK # 4 | Artery | Inflammation | Chronic, Mild |
| Bone | Femur | Fibrous Osteodystrophy | Mild |
| Heart | | Cardiomyopathy | Chronic, Moderate |
| | | Leukemia Mononuclear | |
| Kidney | | Nephropathy | Chronic, Marked |
| | Renal Tubule | Pigmentation | Mild |
| Liver | | Basophilic Focus | |
| | Bile Duct | Hyperplasia | Moderate |
| | Portal | Inflammation | Chronic, Mild |
| | | Leukemia Mononuclear | |
| Note: HYPERPLASIA TGLs = 6-2 | | | |
| Note: INFLAMMATION TGLs = 6-2 | | | |
| Lung | | Leukemia Mononuclear | |
| Lymph Node | Mandibular | Hyperplasia | Lymphoid, Mild |
| | Mesenteric | Leukemia Mononuclear | |
| Mammary Gland | Acinus | Ectasia | Mild |
| | Acinus | Hyperplasia | Mild |
| Note: ECTASIA TGLs = 1-7 | | | |
| Nose | Olfactory Epi | Degeneration | Mild |
| Pituitary Gland | Pars Distalis | Adenoma | |
| Note: ADENOMA TGLs = 7-1 | | | |
| Preputial Gland | | Adenoma | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06
 Test Type: CHRONIC
 Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014
 Time Report Requested: 08:21:10
 First Dose M/F: NA / NA
 Lab: SRI

| | | | |
|--|-------------------------------|---------------------------------|-------------------------|
| ANIMAL ID: 31 | TRT#: 1 | SEX: Male | DAY ON TEST: 729 |
| | DOSE: UNTREATD CONTROL | DISP: Terminal Sacrifice | HISTO: A85-0150 |
| ORGAN AND ACCOUNTABLE SITE STATUS | | | |
| Prostate | | Inflammation | Chronic Active, Mild |
| Spleen | | Inflammation | Chronic Active, Mild |
| | | Fibrosis | Moderate |
| | | Leukemia Mononuclear | |
| | | Pigmentation | Mild |
| Note: LEUKEMIA MONUC TGLs = 4-2 | | | |
| Note: FIBROSIS TGLs = 5-13 | | | |
| Testes | Interstit Cell | Adenoma | |
| | | Atrophy | Marked |
| | Interstit Cell | Hyperplasia | Minimal |
| Note: ADENOMA TGLs = 3-6 | | | |
| Note: ATROPHY TGLs = 2-6 | | | |
| Thymus | | Thymoma Nos | |
| Note: THYMOMA NOS TGLs = 8-3 | | | |
| Thyroid Gland | C Cell | Hyperplasia | Mild |
| PRIMARY CAUSE OF DEATH | - | | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:10

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 32

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: UNTREATD CONTROL

DISP: Terminal Sacrifice

HISTO: A85-0151

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 | Lymph Node - Mesenteric |
| Mammary Gland | Salivary Glands | Seminal Vesicle | Skin |
| Stomach - Forestomach | Thymus | Trachea | Urinary Bladder |

MISSING

Parathyroid Gland

OBSERVATIONS

| | | | |
|--------------------|---------------|-------------------------|----------------------|
| Adrenal Gland | Medulla | Pheochromocytoma Benign | |
| Eye | Retina | Cataract | Marked |
| | | Degeneration | Marked |
| | | Hemorrhage | Marked |
| Note: CATARACT | TGLs = 1-13 | | |
| Heart | | Cardiomyopathy | Chronic, Moderate |
| Intestine Large | Rectum | Parasite Metazoan | |
| Islets, Pancreatic | | Hyperplasia | Mild |
| Kidney | | Nephropathy | Chronic, Marked |
| | Renal Tubule | Pigmentation | Mild |
| Liver | | Basophilic Focus | |
| | Bile Duct | Hyperplasia | Mild |
| | Portal | Inflammation | Chronic, Mild |
| Lung | Arteriole | Mineralization | Mild |
| Lymph Node | Mediastinal | Congestion | Mild |
| | Mandibular | Hyperplasia | Lymphoid, Mild |
| Note: HYPERPLASIA | TGLs = 3-7 | | |
| Nose | Olfactory Epi | Degeneration | Mild |
| Pancreas | Acinus | Atrophy | Mild |
| Pituitary Gland | Pars Distalis | Adenoma | |
| Preputial Gland | | Carcinoma | |
| | | Inflammation | Chronic Active, Mild |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014
Time Report Requested: 08:21:10
First Dose M/F: NA / NA
Lab: SRI

| | | | |
|----------------------|-------------------------------|---------------------------------|-------------------------|
| ANIMAL ID: 32 | TRT#: 1 | SEX: Male | DAY ON TEST: 729 |
| | DOSE: UNTREATD CONTROL | DISP: Terminal Sacrifice | HISTO: A85-0151 |

ORGAN AND ACCOUNTABLE SITE STATUS

| | | | |
|-----------------|----------------|----------------------------------|----------------------|
| Note: CARCINOMA | TGLs = 2-8+8.1 | | |
| Prostate | | Inflammation | Chronic Active, Mild |
| Spleen | | Hematopoietic Cell Proliferation | Minimal |
| Stomach | | Dilatation | Mild |
| Testes | | Adenoma | |
| Note: ADENOMA | TGLs = 4-6 | | |
| Thyroid Gland | | C Cell | |
| Note: ADENOMA | TGLs = 5-3 | Adenoma | |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:10

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 33

TRT#: 1

SEX: Male

DAY ON TEST: 681

DOSE: UNTREATD CONTROL

DISP: Moribund

HISTO: A85-0152

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

| | | | |
|-----------------|---------------|-------------------------|-------------------|
| Adrenal Gland | Cortex | Degeneration | Fatty, Minimal |
| | Cortex | Hyperplasia | Mild |
| | Cortex | Leukemia Mononuclear | |
| | Medulla | Leukemia Mononuclear | |
| | Medulla | Pheochromocytoma Benign | |
| Eye | Retina | Cataract | Marked |
| | | Degeneration | Marked |
| Note: CATARACT | TGLs = 1-14 | | |
| Heart | | Cardiomyopathy | Chronic, Mild |
| | | Leukemia Mononuclear | |
| Kidney | | Nephropathy | Chronic, Moderate |
| | Renal Tubule | Pigmentation | Mild |
| Liver | Bile Duct | Hyperplasia | Mild |
| | Portal | Inflammation | Chronic, Mild |
| | | Leukemia Mononuclear | |
| Lung | | Leukemia Mononuclear | |
| Lymph Node | Mandibular | Hyperplasia | Lymphoid, Mild |
| Mammary Gland | Acinus | Ectasia | Moderate |
| | Note: ECTASIA | TGLs = 2-7 | |
| Nose | Olfactory Epi | Degeneration | Mild |
| Pituitary Gland | Pars Distalis | Adenoma | |
| | Note: ADENOMA | TGLs = 5-1 | |
| Preputial Gland | | Inflammation | Chronic, Mild |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:10

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 33

TRT#: 1

SEX: Male

DAY ON TEST: 681

DOSE: UNTREATD CONTROL

DISP: Moribund

HISTO: A85-0152

ORGAN AND ACCOUNTABLE SITE STATUS

| | | | |
|----------------------------|-------------------|----------------------------------|--------------------------|
| Prostate | | Inflammation | Chronic Active, Moderate |
| Skin | Subcut Tiss | Fibroma | |
| Note: FIBROMA | TGLs = 3-13 | | |
| Spleen | | Hematopoietic Cell Proliferation | Minimal |
| | | Leukemia Mononuclear | |
| Note: LEUKEMIA MONUC | TGLs = 4-2 | | |
| Note: COD - LEUKEMIA MONUC | | | |
| Stomach | Glandular, Mucosa | Dilatation | Mild |
| Testes | Interstit Cell | Adenoma | |
| Thyroid Gland | Follicle | Ectasia | Mild |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:10

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 34

TRT#: 1

SEX: Male

DAY ON TEST: 630

DOSE: UNTREATD CONTROL

DISP: Moribund

HISTO: A85-0153

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Parathyroid Gland

OBSERVATIONS

| | | | |
|-----------------|------------------|----------------------|--------------------------|
| Blood | | | |
| Note: TGL#1-NCL | | | |
| Bone Marrow | | Necrosis | Moderate |
| Heart | | Cardiomyopathy | Chronic, Mild |
| Kidney | | Cyst | |
| | | Necrosis | Marked |
| | | Nephropathy | Chronic, Mild |
| | Renal Tubule | Pigmentation | Mild |
| Note: CYST | TGLs = 5-5 | | |
| Note: NECROSIS | TGLs = 4-13+13.1 | | |
| Liver | Bile Duct | Hyperplasia | Moderate |
| | Portal | Inflammation | Chronic, Mild |
| | | Leukemia Mononuclear | |
| Lung | | Leukemia Mononuclear | |
| | Arteriole | Mineralization | Minimal |
| Lymph Node | Mandibular | Leukemia Mononuclear | |
| | Mesenteric | Leukemia Mononuclear | |
| Nose | Olfactory Epi | Degeneration | Mild |
| | Lumen | Hemorrhage | Mild |
| Pituitary Gland | Pars Distalis | Hyperplasia | Mild |
| Prostate | | Inflammation | Chronic Active, Moderate |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:10

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 34

TRT#: 1

SEX: Male

DAY ON TEST: 630

DOSE: UNTREATD CONTROL

DISP: Moribund

HISTO: A85-0153

ORGAN AND ACCOUNTABLE SITE STATUS

Spleen

Leukemia Mononuclear

Note: COD - LEUKEMIA MONUC

Note: LEUKEMIA MONUC TGLs = 3-2

Testes

Interstit Cell

Adenoma

Note: ADENOMA TGLs = 2-6

Thymus

Leukemia Mononuclear

Thyroid Gland

Follicle

Ectasia

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:10

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 35

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: UNTREATD CONTROL

DISP: Terminal Sacrifice

HISTO: A85-0154

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 | Lung | Lymph Node - Mesenteric | Mammary Gland |
| Pancreas | Parathyroid Gland | Pituitary Gland | Salivary Glands |
| Seminal Vesicle | Skin | Stomach - Forestomach | Thymus |
| Thyroid Gland | Trachea | Urinary Bladder | |

OBSERVATIONS

| | | | |
|------------------------------|-------------------|----------------------------------|--------------------------|
| Adrenal Gland | Cortex | Infiltration Cellular | Lymphocyte, Mild |
| Blood Vessel | Artery | Inflammation | Chronic, Marked |
| Note: BLOOD VESSEL-BLOCK # 4 | | | |
| Heart | | Cardiomyopathy | Chronic, Mild |
| Kidney | | Nephropathy | Chronic, Moderate |
| | Renal Tubule | Pigmentation | Mild |
| Liver | | Angiectasis | Minimal |
| | Bile Duct | Hyperplasia | Mild |
| | Portal | Inflammation | Chronic, Minimal |
| Lymph Node | Mandibular | Hyperplasia | Lymphoid, Mild |
| Nose | Olfactory Epi | Degeneration | Mild |
| | Nasolacrim Dct | Inflammation | Acute, Mild |
| Preputial Gland | | Inflammation | Chronic, Mild |
| Prostate | | Inflammation | Chronic Active, Moderate |
| Spleen | | Hematopoietic Cell Proliferation | Mild |
| Stomach | Glandular, Mucosa | Dilatation | Mild |
| Testes | Interstit Cell | Adenoma | |

Note: ADENOMA TGLs = 1-6

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:10

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 36

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: UNTREATD CONTROL

DISP: Terminal Sacrifice

HISTO: A85-0155

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 | Lymph Node - Mesenteric | Parathyroid Gland | Salivary Glands |
| Seminal Vesicle | Stomach - Glandular | Thymus | Thyroid Gland |
| Trachea | Urinary Bladder | | |

OBSERVATIONS

| | | | |
|---|----------------|-----------------------------|-------------------------|
| Blood Vessel Note: BLOOD VESSEL-BLOCK # 4 | Artery | Inflammation | Chronic, Mild |
| Brain | | Compression | Mild |
| Heart | | Cardiomyopathy | Chronic, Minimal |
| Kidney Note: NEPHROPATHY TGLs = 4-5 | Renal Tubule | Nephropathy Pigmentation | Chronic, Marked Mild |
| Liver | | Basophilic Focus | |
| | Bile Duct | Hyperplasia | Mild |
| | Portal | Inflammation | Chronic, Mild |
| Lung | Arteriole | Mineralization | Minimal |
| Lymph Node | Mandibular | Hyperplasia | Lymphoid, Mild |
| Mammary Gland Note: ECTASIA TGLs = 1-7+7.1 | Acinus | Ectasia | Marked |
| Nose | Olfactory Epi | Degeneration | Mild |
| | Nasolacrim Dct | Inflammation | Acute, Minimal |
| Pancreas | Acinus | Atrophy | Moderate |
| | Acinus | Hyperplasia | Mild |
| Pituitary Gland Note: ADENOMA TGLs = 5-1 | Pars Distalis | Adenoma | |
| Preputial Gland | | Inflammation | Chronic Active, Mild |
| Prostate Note: INFLAMMATION TGLs = 3-13 | | Inflammation | Chronic, Marked |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014
Time Report Requested: 08:21:10
First Dose M/F: NA / NA
Lab: SRI

| | | | |
|----------------------|-------------------------------|---------------------------------|-------------------------|
| ANIMAL ID: 36 | TRT#: 1 | SEX: Male | DAY ON TEST: 729 |
| | DOSE: UNTREATD CONTROL | DISP: Terminal Sacrifice | HISTO: A85-0155 |

ORGAN AND ACCOUNTABLE SITE STATUS

| | | | |
|--------------------------|----------------|----------------------------------|----------|
| Skin | | Abscess | Marked |
| Note: ABSCESS IS ON HEAD | | | |
| Spleen | | Hematopoietic Cell Proliferation | Minimal |
| | | Pigmentation | Mild |
| Stomach | Forestomach | Edema | Moderate |
| Testes | Interstit Cell | Adenoma | |
| Note: ADENOMA | TGLs = 2-6 | | |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:10

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 37

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: UNTREATD CONTROL

DISP: Terminal Sacrifice

HISTO: A85-0156

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 |
| Parathyroid Gland | Salivary Glands | Seminal Vesicle | Stomach - Forestomach |
| Trachea | Urinary Bladder | | |

OBSERVATIONS

| | | | |
|----------------------|---------------|-------------------------|--------------------------|
| Adrenal Gland | Cortex | Hyperplasia | Mild |
| | Medulla | Hyperplasia | Mild |
| | Cortex | Leukemia Mononuclear | |
| | Medulla | Leukemia Mononuclear | |
| Ear | Canal | Abscess | Marked |
| Note: ABSCESS | TGLs = 4-14 | | |
| Heart | | Cardiomyopathy | Chronic, Moderate |
| Kidney | | Nephropathy | Chronic, Moderate |
| Liver | | Basophilic Focus | |
| | Bile Duct | Hyperplasia | Mild |
| | Portal | Inflammation | Chronic, Mild |
| | | Leukemia Mononuclear | |
| Lung | | Leukemia Mononuclear | |
| Lymph Node | Mandibular | Hyperplasia | Lymphoid, Mild |
| | Mesenteric | Leukemia Mononuclear | |
| Mammary Gland | Acinus | Ectasia | Mild |
| Nose | Olfactory Epi | Degeneration | Mild |
| Pancreas | Acinus | Atrophy | Mild |
| Pituitary Gland | Pars Distalis | Hyperplasia | Minimal |
| Preputial Gland | | Inflammation | Chronic, Mild |
| Prostate | | Inflammation | Chronic Active, Moderate |
| Skin | | Squamous Cell Papilloma | |
| Note: PAPILLOMA SQUA | TGLs = 1-13 | | |
| Spleen | | Leukemia Mononuclear | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:10

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 37

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: UNTREATD CONTROL

DISP: Terminal Sacrifice

HISTO: A85-0156

ORGAN AND ACCOUNTABLE SITE STATUS

Note: LEUKEMIA MONUC TGLs = 3-2

| | | | |
|---------|-------------------|------------|------|
| Stomach | Glandular, Mucosa | Dilatation | Mild |
|---------|-------------------|------------|------|

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

Note: ADENOMA TGLs = 2-6

| | | | |
|--------|--|----------------------|--|
| Thymus | | Leukemia Mononuclear | |
|--------|--|----------------------|--|

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

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:10

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 38

TRT#: 1

SEX: Male

DAY ON TEST: 730

DOSE: UNTREATD CONTROL

DISP: Terminal Sacrifice

HISTO: A85-0157

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

OBSERVATIONS

| | | | |
|------------------|-------------------|----------------------------------|--------------------------|
| Adrenal Gland | Cortex | Degeneration | Fatty, Mild |
| | Cortex | Hyperplasia | Mild |
| Heart | | Cardiomyopathy | Chronic, Minimal |
| Intestine Large | Colon | Parasite Metazoan | |
| Kidney | | Nephropathy | Chronic, Mild |
| | Renal Tubule | Pigmentation | Mild |
| Liver | | Angiectasis | Minimal |
| | | Basophilic Focus | |
| | Bile Duct | Hyperplasia | Mild |
| | Portal | Inflammation | Chronic, Mild |
| Lung | Arteriole | Mineralization | Mild |
| Lymph Node | Mandibular | Hyperplasia | Lymphoid, Mild |
| Nose | Nasolacrim Dct | Hemorrhage | Mild |
| Pancreas | Acinus | Atrophy | Mild |
| Pituitary Gland | Pars Distalis | Hemorrhage | Marked |
| Note: HEMORRHAGE | TGLs = 2-1+1.1 | | |
| Prostate | | Inflammation | Chronic Active, Moderate |
| Spleen | | Hematopoietic Cell Proliferation | Mild |
| | | Pigmentation | Mild |
| Stomach | Glandular, Mucosa | Dilatation | Mild |
| Testes | Interstit Cell | Adenoma | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:10

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 38

TRT#: 1

SEX: Male

DAY ON TEST: 730

DOSE: UNTREATD CONTROL

DISP: Terminal Sacrifice

HISTO: A85-0157

ORGAN AND ACCOUNTABLE SITE STATUS

Atrophy

Moderate

Note: ADENOMA TGLs = 1-6

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:10

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 39

TRT#: 1

SEX: Male

DAY ON TEST: 730

DOSE: UNTREATD CONTROL

DISP: Terminal Sacrifice

HISTO: A85-0158

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|---------------------------|-------------------------|----------------------------|-------------------------|
| Bone | Bone Marrow | Brain | Esophagus |
| Intestine Large - Cecum | Intestine Large - Colon | Intestine Small - Duodenum | Intestine Small - Ileum |
| Intestine Small - Jejunum | Islets, Pancreatic | Lymph Node - Mesenteric | Parathyroid Gland |
| Salivary Glands | Seminal Vesicle | Skin | Stomach - Forestomach |
| Thymus | Trachea | Urinary Bladder | |

OBSERVATIONS

| | | | |
|-----------------|----------------|-------------------|-------------------|
| Adrenal Gland | Cortex | Degeneration | Fatty, Minimal |
| | Cortex | Hyperplasia | Minimal |
| | Medulla | Hyperplasia | Mild |
| Epididymis | | Inflammation | Chronic, Mild |
| Eye | | Cataract | Marked |
| | Retina | Degeneration | Marked |
| | | Hemorrhage | Moderate |
| Note: CATARACT | TGLs = 1-13 | | |
| Heart | | Cardiomyopathy | Chronic, Moderate |
| Intestine Large | Rectum | Parasite Metazoan | |
| Kidney | | Nephropathy | Chronic, Mild |
| | Renal Tubule | Pigmentation | Mild |
| Liver | | Basophilic Focus | |
| | Bile Duct | Hyperplasia | Mild |
| | Portal | Inflammation | Chronic, Mild |
| Lung | Arteriole | Mineralization | Mild |
| Lymph Node | Mandibular | Hyperplasia | Lymphoid, Mild |
| Mammary Gland | Acinus | Ectasia | Mild |
| Note: ECTASIA | TGLs = 2-7 | | |
| Nose | Olfactory Epi | Degeneration | Mild |
| | Nasolacrim Dct | Hemorrhage | Mild |
| Pancreas | Acinus | Atrophy | Marked |
| Pituitary Gland | Pars Distalis | Adenoma | |
| Preputial Gland | | Inflammation | Chronic, Moderate |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014
Time Report Requested: 08:21:10
First Dose M/F: NA / NA
Lab: SRI

| | | | |
|----------------------|-------------------------------|---------------------------------|-------------------------|
| ANIMAL ID: 39 | TRT#: 1 | SEX: Male | DAY ON TEST: 730 |
| | DOSE: UNTREATD CONTROL | DISP: Terminal Sacrifice | HISTO: A85-0158 |

ORGAN AND ACCOUNTABLE SITE STATUS

| | | | |
|---------------|-------------------|----------------------------------|--------------------------|
| Prostate | | Inflammation | Chronic Active, Moderate |
| Spleen | | Hematopoietic Cell Proliferation | Mild |
| | | Pigmentation | Mild |
| Stomach | Glandular, Mucosa | Dilatation | Minimal |
| Testes | Interstitial Cell | Adenoma | |
| Note: ADENOMA | TGLs = 3-6 | | |
| Thyroid Gland | Follicle | Ectasia | Mild |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:10

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 40

TRT#: 1

SEX: Male

DAY ON TEST: 730

DOSE: UNTREATD CONTROL

DISP: Terminal Sacrifice

HISTO: A85-0159

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

| | | | |
|---|--------------------|-------------------------|-------------------|
| Adrenal Gland Note: [PHEOCHROM BGN] TGLs = 5-8 | Bilateral, Medulla | Pheochromocytoma Benign | |
| Heart | | Cardiomyopathy | Chronic, Moderate |
| Intestine Large | Colon | Parasite Metazoan | |
| Intestine Small | Ileum | Inflammation | Chronic, Moderate |
| Kidney | | Nephropathy | Chronic, Marked |
| | Renal Tubule | Pigmentation | Minimal |
| Liver | | Basophilic Focus | |
| | Bile Duct | Hyperplasia | Mild |
| | Portal | Inflammation | Chronic, Mild |
| | | Leukemia Mononuclear | |
| Lung | | Leukemia Mononuclear | |
| | Arteriole | Mineralization | Mild |
| Lymph Node Note: MEDIASTINAL-NORMAL | Mandibular | Hyperplasia | Lymphoid, Mild |
| Mammary Gland | Acinus | Ectasia | Mild |
| Mesentery Note: NECROSIS TGLs = 4-14 | Fat | Necrosis | Marked |
| Nose | Olfactory Epi | Degeneration | Minimal |
| | Lumen | Hemorrhage | Mild |
| Pancreas | Acinus | Atrophy | Mild |
| Pituitary Gland | Pars Distalis | Adenoma | |
| Preputial Gland | | Inflammation | Chronic, Moderate |
| Prostate | | Inflammation | Chronic, Mild |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:10

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 40

TRT#: 1

SEX: Male

DAY ON TEST: 730

DOSE: UNTREATD CONTROL

DISP: Terminal Sacrifice

HISTO: A85-0159

ORGAN AND ACCOUNTABLE SITE STATUS

Skin Keratoacanthoma

Note: KERATOACANTHMA TGLs = 1-13

Spleen Hematopoietic Cell Proliferation Mild

Leukemia Mononuclear

Note: LEUKEMIA MONUC TGLs = 3-2

Testes Interstit Cell

Adenoma

Note: ADENOMA TGLs = 2-6

Thyroid Gland C Cell

Adenoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:10

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 41

TRT#: 1

SEX: Male

DAY ON TEST: 464

DOSE: UNTREATD CONTROL

DISP: Dead

HISTO: A84031022

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

| | | |
|--------------------------|---------------------------|--------|
| Intestine Large - Rectum | Intestine Small - Jejunum | Thymus |
|--------------------------|---------------------------|--------|

OBSERVATIONS

| | | | |
|----------------------|----------------|----------------------|--------------------------|
| Adrenal Gland | Cortex | Degeneration | Fatty, Minimal |
| | Cortex | Leukemia Mononuclear | |
| | Medulla | Leukemia Mononuclear | |
| Note: LEUKEMIA MONUC | TGLs = 5-6.1 | | |
| Bone Marrow | | Leukemia Mononuclear | |
| Heart | | Cardiomyopathy | Chronic, Mild |
| Kidney | | Leukemia Mononuclear | |
| | Renal Tubule | Mineralization | Marked |
| | | Nephropathy | Chronic, Minimal |
| Liver | Bile Duct | Hyperplasia | Mild |
| | | Leukemia Mononuclear | |
| Note: LEUKEMIA MONUC | TGLs = 4-5 | | |
| Lung | | Leukemia Mononuclear | |
| Lymph Node | Mediastinal | Hemorrhage | Moderate |
| | Mandibular | Leukemia Mononuclear | |
| | Mesenteric | Leukemia Mononuclear | |
| | Pancreatic | Leukemia Mononuclear | |
| Note: LEUKEMIA MONUC | TGLs = 1-5 | | |
| Nose | Respirat Epith | Degeneration | Mild |
| | Mucosa | Inflammation | Acute, Mild |
| Prostate | | Inflammation | Chronic Active, Moderate |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:10

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 41

TRT#: 1

SEX: Male

DAY ON TEST: 464

DOSE: UNTREATD CONTROL

DISP: Dead

HISTO: A84031022

ORGAN AND ACCOUNTABLE SITE STATUS

Spleen

Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 2,3-2.1]

Stomach

Glandular

Mineralization

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:10

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 42

TRT#: 1

SEX: Male

DAY ON TEST: 730

DOSE: UNTREATD CONTROL

DISP: Terminal Sacrifice

HISTO: A85-0161

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 - Jejunum | Islets, Pancreatic | Lymph Node - Mesenteric |
| Nose | Parathyroid Gland | Salivary Glands | Seminal Vesicle |
| Skin | Stomach - Forestomach | Thymus | Thyroid Gland |
| Trachea | | | |

OBSERVATIONS

| | | | |
|------------------------------|---------------|----------------------|--------------------------|
| Adrenal Gland | Cortex | Leukemia Mononuclear | |
| | Medulla | Leukemia Mononuclear | |
| Blood Vessel | Artery | Inflammation | Chronic, Marked |
| Note: BLOOD VESSEL-BLOCK # 4 | | | |
| Heart | | Cardiomyopathy | Chronic, Mild |
| Intestine Small | Ileum | Leukemia Mononuclear | |
| Kidney | | Nephropathy | Chronic, Moderate |
| | Renal Tubule | Pigmentation | Mild |
| Liver | Bile Duct | Hyperplasia | Mild |
| | Portal | Inflammation | Chronic, Mild |
| | | Leukemia Mononuclear | |
| Lung | | Leukemia Mononuclear | |
| | Arteriole | Mineralization | Mild |
| Lymph Node | Mandibular | Hyperplasia | Lymphoid, Mild |
| Mammary Gland | Acinus | Ectasia | Mild |
| Pancreas | Acinus | Atrophy | Mild |
| Pituitary Gland | Pars Distalis | Adenoma | |
| Preputial Gland | | Carcinoma | |
| | | Inflammation | Chronic Active, Mild |
| Note: CARCINOMA TGLs = 1-8.1 | | | |
| Prostate | | Inflammation | Chronic Active, Moderate |
| Spleen | | Fibrosis | Mild |
| | | Leukemia Mononuclear | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014
Time Report Requested: 08:21:10
First Dose M/F: NA / NA
Lab: SRI

| | | | |
|----------------------|-------------------------------|---------------------------------|-------------------------|
| ANIMAL ID: 42 | TRT#: 1 | SEX: Male | DAY ON TEST: 730 |
| | DOSE: UNTREATD CONTROL | DISP: Terminal Sacrifice | HISTO: A85-0161 |

ORGAN AND ACCOUNTABLE SITE STATUS

| | | | |
|----------------------|-------------------|-----------------------|------------------|
| Note: FIBROSIS | TGLs = 4-2+13 | | |
| Note: LEUKEMIA MONUC | TGLs = 3-13 | | |
| Stomach | Glandular, Mucosa | Dilatation | Mild |
| Testes | Interstit Cell | Adenoma | |
| | Interstit Cell | Hyperplasia | Mild |
| Note: ADENOMA | TGLs = 2-6 | | |
| Urinary Bladder | | Infiltration Cellular | Lymphocyte, Mild |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:10

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 43

TRT#: 1

SEX: Male

DAY ON TEST: 567

DOSE: UNTREATD CONTROL

DISP: Moribund

HISTO: A85-0162

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 | Lymph Node - Mandibular | Lymph Node - Mesenteric | Pancreas |
| Preputial Gland | Seminal Vesicle | Skin | Stomach - Forestomach |
| Stomach - Glandular | Testes | Thymus | Thyroid Gland |
| Trachea | Urinary Bladder | | |

MISSING

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

OBSERVATIONS

| | | | |
|---------------------------------------|----------------|---------------------------|--------------------------|
| Brain | | Neuroblastoma | |
| Note: COD-NEUROBLAST MAL | | | |
| Note: NEUROBLAST MAL TGLs = 2,3-14,15 | | | |
| Eye | | Cataract | Marked |
| | Retina | Degeneration | Marked |
| | Postr Chamber | Synechia | Marked |
| Note: CATARACT TGLs = 1-13 | | | |
| Heart | | Cardiomyopathy | Chronic, Mild |
| Kidney | | Nephropathy | Chronic, Mild |
| | Renal Tubule | Pigmentation | Minimal |
| Liver | | Focal Cellular Change | |
| | Bile Duct | Hyperplasia | Mild |
| | Portal | Inflammation | Chronic, Mild |
| | | Vacuolization Cytoplasmic | Mild |
| Lung | Alveolus | Infiltration Cellular | Histiocyte, Mild |
| | Arteriole | Mineralization | Mild |
| Nose | Olfactory Epi | Degeneration | Mild |
| | Nasolacrim Dct | Inflammation | Acute, Minimal |
| Pituitary Gland | Pars Distalis | Adenoma | |
| Prostate | | Inflammation | Chronic Active, Moderate |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:10

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 43

TRT#: 1

SEX: Male

DAY ON TEST: 567

DOSE: UNTREATD CONTROL

DISP: Moribund

HISTO: A85-0162

ORGAN AND ACCOUNTABLE SITE STATUS

Salivary Glands

Infiltration Cellular

Lymphocyte, Mild

Spleen

Hematopoietic Cell Proliferation

Mild

Pigmentation

Mild

Urethra

Calculus Micro Observation Only

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:10

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 44

TRT#: 1

SEX: Male

DAY ON TEST: 688

DOSE: UNTREATD CONTROL

DISP: Dead

HISTO: A85-0163

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Brain
Intestine Small - Ileum
Lymph Node - Mesenteric
Salivary Glands
Stomach - Glandular
Urinary Bladder

Adrenal Gland - Medulla
Esophagus
Intestine Small - Jejunum
Pancreas
Seminal Vesicle
Thymus

Bone
Intestine Large - Cecum
Islets, Pancreatic
Parathyroid Gland
Skin
Thyroid Gland

Bone Marrow
Intestine Small - Duodenum
Lymph Node - Mandibular
Pituitary Gland
Stomach - Forestomach
Trachea

MISSING

Epididymis
Testes

Intestine Large - Colon

Intestine Large - Rectum

Preputial Gland

OBSERVATIONS

Heart
Kidney

Cardiomyopathy
Carcinoma
Nephropathy

Chronic, Moderate

Chronic, Mild

Note: COD-CARCINOMA(KIDNEY)

Note: CARCINOMA TGLs = 1-13

Liver

Basophilic Focus

Bile Duct
Portal
Arteriole
Acinus
Mucosa

Hyperplasia
Inflammation
Mineralization
Ectasia
Inflammation
Inflammation
Hematopoietic Cell Proliferation
Pigmentation

Mild
Chronic, Mild
Mild
Mild
Acute, Moderate
Chronic Active, Mild
Mild
Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:10

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 45

TRT#: 1

SEX: Male

DAY ON TEST: 614

DOSE: UNTREATD CONTROL

DISP: Dead

HISTO: A85-0164

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 | Lymph Node - Mesenteric | Pancreas | Parathyroid Gland |
| Preputial Gland | Salivary Glands | Seminal Vesicle | Skin |
| Stomach - Forestomach | Stomach - Glandular | Testes | Thymus |
| Thyroid Gland | Trachea | Urinary Bladder | |

OBSERVATIONS

| | | | |
|-----------------|---------------|---------------------------------|--------------------------|
| Adrenal Gland | Cortex | Degeneration | Fatty, Mild |
| | Cortex | Hyperplasia | Mild |
| Heart | | Cardiomyopathy | Chronic, Mild |
| Kidney | | Nephropathy | Chronic, Minimal |
| Liver | Bile Duct | Hyperplasia | Mild |
| | Portal | Inflammation | Chronic, Minimal |
| Lung | | Congestion | Moderate |
| Lymph Node | Mandibular | Hyperplasia | Lymphoid, Mild |
| Mammary Gland | Acinus | Ectasia | Mild |
| Mesentery | Fat | Necrosis | Marked |
| Note: NECROSIS | TGLs = 1-13 | | |
| Nose | Olfactory Epi | Degeneration | Mild |
| Pituitary Gland | Pars Distalis | Adenoma | |
| Note: ADENOMA | TGLs = 2-1 | | |
| Prostate | | Inflammation | Chronic Active, Moderate |
| Spleen | | Pigmentation | Moderate |
| Urethra | | Calculus Micro Observation Only | |

PRIMARY CAUSE OF DEATH

-

Animal Note: COD-UNKNOWN

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:10

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 51

TRT#: 1

SEX: Male

DAY ON TEST: 640

DOSE: UNTREATD CONTROL

DISP: Moribund

HISTO: A85-0170

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

OBSERVATIONS

| | | | |
|---------------|----------------|-------------------------|---------------|
| Adrenal Gland | Cortex | Degeneration | Fatty, Mild |
| | Medulla | Hyperplasia | Mild |
| | Cortex | Leukemia Mononuclear | |
| Bone Marrow | Medulla | Leukemia Mononuclear | |
| | Medulla | Pheochromocytoma Benign | |
| | Medulla | Leukemia Mononuclear | |
| Brain | | Leukemia Mononuclear | |
| | | Leukemia Mononuclear | |
| Heart | | Cardiomyopathy | Chronic, Mild |
| | | Leukemia Mononuclear | |
| Kidney | | Leukemia Mononuclear | |
| | | Leukemia Mononuclear | |
| | | Nephropathy | Chronic, Mild |
| Liver | Renal Tubule | Pigmentation | Mild |
| | Bile Duct | Hyperplasia | Mild |
| | Portal | Inflammation | Chronic, Mild |
| | | Leukemia Mononuclear | |
| Lung | | Hemorrhage | Mild |
| | Alveolar Epith | Hyperplasia | Moderate |
| Lymph Node | Mandibular | Leukemia Mononuclear | |
| | Mediastinal | Leukemia Mononuclear | |
| | Mesenteric | Leukemia Mononuclear | |
| | Pancreatic | Leukemia Mononuclear | |

Note: LEUKEMIA MONUC TGLs = 6-2+2.1

Note: HYPERPLASIA TGLs = 7-15

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:10

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 51

TRT#: 1

SEX: Male

DAY ON TEST: 640

DOSE: UNTREATD CONTROL

DISP: Moribund

HISTO: A85-0170

ORGAN AND ACCOUNTABLE SITE STATUS

Note: LEUKEMIA MONUC TGLs = 8-16+3

Note: COD-LEUKEMIA MONUC

Note: LEUKEMIA MONUC TGLs = 3-18

Pituitary Gland

Pars Distalis

Hyperplasia

Mild

Note: HYPERPLASIA TGLs = 10-1

Preputial Gland

Carcinoma

Inflammation

Chronic, Mild

Note: CARCINOMA TGLs = 2-13

Prostate

Inflammation

Chronic, Minimal

Spleen

Leukemia Mononuclear

Note: LEUKEMIA MONUC TGLs = 4-17

Stomach

Glandular, Mucosa

Dilatation

Mild

Testes

Interstit Cell

Hyperplasia

Minimal

Thymus

Leukemia Mononuclear

Zymbal's Gland

Squamous Cell Carcinoma

Note: SQUAM CEL CARC TGLs = 9-14

PRIMARY CAUSE OF DEATH

-

Animal Note: TGL # 5-NCL

Animal Note: TGL # 1-NCL

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:10

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 52

TRT#: 1

SEX: Male

DAY ON TEST: 730

DOSE: UNTREATD CONTROL

DISP: Terminal Sacrifice

HISTO: A85-0171

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 | Lung | Lymph Node - Mesenteric | Preputial Gland |
| Salivary Glands | Seminal Vesicle | Skin | Stomach - Forestomach |
| Thymus | Thyroid Gland | Trachea | Urinary Bladder |

MISSING

Parathyroid Gland

OBSERVATIONS

| | | | |
|-----------------|-------------------|----------------------------------|--------------------------|
| Adrenal Gland | Cortex | Hyperplasia | Mild |
| Eye | Retina | Cataract | Marked |
| | | Degeneration | Marked |
| | | Hemorrhage | Moderate |
| Note: CATARACT | TGLs = 1-13 | | |
| Heart | | Cardiomyopathy | Chronic, Mild |
| Kidney | | Nephropathy | Chronic, Moderate |
| | Renal Tubule | Pigmentation | Mild |
| Liver | | Basophilic Focus | |
| | Bile Duct | Hyperplasia | Mild |
| | Portal | Inflammation | Chronic, Mild |
| Lymph Node | Mandibular | Cyst | |
| | Mandibular | Hyperplasia | Lymphoid, Mild |
| Mammary Gland | Acinus | Ectasia | Mild |
| Nose | Olfactory Epi | Degeneration | Mild |
| Pancreas | Acinus | Atrophy | Mild |
| Pituitary Gland | Pars Distalis | Adenoma | |
| Prostate | | Inflammation | Chronic Active, Moderate |
| Spleen | | Hematopoietic Cell Proliferation | Minimal |
| | | Pigmentation | Mild |
| Stomach | Glandular, Mucosa | Dilatation | Mild |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:10

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 52

TRT#: 1

SEX: Male

DAY ON TEST: 730

DOSE: UNTREATD CONTROL

DISP: Terminal Sacrifice

HISTO: A85-0171

ORGAN AND ACCOUNTABLE SITE STATUS

Testes

Interstit Cell

Adenoma

Note: ADENOMA

TGLs = 2-6

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:10

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 53

TRT#: 1

SEX: Male

DAY ON TEST: 493

DOSE: UNTREATD CONTROL

DISP: Dead

HISTO: A84031023

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Brain
Intestine Large - Cecum
Mammary Gland
Salivary Glands
Stomach - Glandular
Trachea

Adrenal Gland - Medulla
Epididymis
Intestine Large - Colon
Pancreas
Seminal Vesicle
Testes

Bone
Esophagus
Intestine Large - Rectum
Parathyroid Gland
Skin
Thymus

Bone Marrow
Heart
Islets, Pancreatic
Preputial Gland
Stomach - Forestomach
Thyroid Gland

MISSING

Lymph Node - Mandibular

Lymph Node - Mesenteric

AUTO PRECLUDES DIAG.

Intestine Small - Duodenum

Intestine Small - Ileum

Intestine Small - Jejunum

Urinary Bladder

OBSERVATIONS

Kidney
Liver

Lung

Nose
Pituitary Gland
[Adenoma TGLS = 2-1]
Prostate
Spleen

Bile Duct
Portal

Arteriole
Mucosa
Pars Distalis

Nephropathy
Hyperplasia
Inflammation
Congestion
Mineralization
Inflammation
Adenoma

Chronic, Mild
Mild
Chronic, Mild
Moderate
Minimal
Acute, Mild

Inflammation
Pigmentation

Acute, Marked
Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:10

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 54

TRT#: 1

SEX: Male

DAY ON TEST: 717

DOSE: UNTREATD CONTROL

DISP: Moribund

HISTO: A85-0173

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

| | | | |
|-----------------|--------------|-----------------------|-------------------|
| Adrenal Gland | Cortex | Leukemia Mononuclear | |
| | Medulla | Leukemia Mononuclear | |
| Bone Marrow | | Leukemia Mononuclear | |
| Heart | | Cardiomyopathy | Chronic, Moderate |
| | | Leukemia Mononuclear | |
| Intestine Small | Ileum | Leukemia Mononuclear | |
| Kidney | | Leukemia Mononuclear | |
| | | Nephropathy | Chronic, Marked |
| | Renal Tubule | Pigmentation | Mild |
| Liver | | Basophilic Focus | |
| | Bile Duct | Hyperplasia | Mild |
| | | Leukemia Mononuclear | |
| Lung | Alveolus | Infiltration Cellular | Histiocyte, Mild |
| | | Leukemia Mononuclear | |
| | Arteriole | Mineralization | Mild |
| Lymph Node | Mandibular | Leukemia Mononuclear | |
| | Mediastinal | Leukemia Mononuclear | |
| | Mesenteric | Leukemia Mononuclear | |
| | Pancreatic | Leukemia Mononuclear | |

Note: COD-LEUKEMIA MONUC

Note: LEUKEMIA MONUC TGLs = 6-4

Note: LEUKEMIA MONUC TGLs = 5-14

[Leukemia Mononuclear TGLs = 2-7]

[Leukemia Mononuclear TGLs = 8-3]

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:10

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 54

TRT#: 1

SEX: Male

DAY ON TEST: 717

DOSE: UNTREATD CONTROL

DISP: Moribund

HISTO: A85-0173

ORGAN AND ACCOUNTABLE SITE STATUS

| | | | |
|------------------------|-------------------|----------------------------------|----------------------|
| Nose | Olfactory Epi | Degeneration | Mild |
| Pancreas | | Leukemia Mononuclear | |
| Pituitary Gland | Pars Distalis | Hyperplasia | Mild |
| Preputial Gland | | Carcinoma | |
| | | Inflammation | Chronic, Mild |
| Note: CARCINOMA | TGLs = 1-13 | | |
| Prostate | | Inflammation | Chronic Active, Mild |
| Spleen | | Hematopoietic Cell Proliferation | Mild |
| | | Leukemia Mononuclear | |
| Note: LEUKEMIA MONUC | TGLs = 4-2 | | |
| Stomach | Glandular, Mucosa | Dilatation | Mild |
| Testes | Interstit Cell | Adenoma | |
| Note: ADENOMA | TGLs = 3-6 | | |
| Thymus | | Leukemia Mononuclear | |
| Thyroid Gland | C Cell | Adenoma | |
| | Follicle | Ectasia | Mild |
| Note: ADENOMA | TGLs = 7-3 | | |
| PRIMARY CAUSE OF DEATH | - | | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:10

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 55

TRT#: 1

SEX: Male

DAY ON TEST: 455

DOSE: UNTREATD CONTROL

DISP: Dead

HISTO: A84031024

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

| | | | |
|----------------------------------|---------------|----------------------------|----------------|
| Adrenal Gland | Cortex | Pigmentation | Minimal |
| Bone | Cranium | Osteosarcoma | |
| Note: COD-OSTEOSARCOMA | | | |
| Note: OSTEOSARC TGLs = 2-22 | | | |
| Brain | | Compression | |
| | | Hydrocephalus | Mild |
| Heart | | Cardiomyopathy | Chronic, Mild |
| Kidney | | Nephropathy | Chronic, Mild |
| | Renal Tubule | Pigmentation | Mild |
| Liver | | Developmental Malformation | |
| | Bile Duct | Hyperplasia | Mild |
| | Portal | Inflammation | Chronic, Mild |
| Note: DEVELOP MALFOR TGLs = 1-21 | | | |
| Lung | | Congestion | Mild |
| | Arteriole | Mineralization | Mild |
| Lymph Node | Mandibular | Hyperplasia | Lymphoid, Mild |
| Mammary Gland | Duct | Ectasia | Mild |
| Nose | Olfactory Epi | Degeneration | Minimal |
| | Lumen | Hemorrhage | Moderate |
| Pancreas | Acinus | Atrophy | Mild |
| Pituitary Gland | Pars Distalis | Adenoma | |
| Preputial Gland | | Inflammation | Chronic, Mild |
| Spleen | | Pigmentation | Mild |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:10

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 55

TRT#: 1

SEX: Male

DAY ON TEST: 455

DOSE: UNTREATD CONTROL

DISP: Dead

HISTO: A84031024

ORGAN AND ACCOUNTABLE SITE STATUS

Thyroid Gland

Ultimobranchial Cyst

Urethra

Calculus Micro Observation Only

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:10

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 56

TRT#: 1

SEX: Male

DAY ON TEST: 730

DOSE: UNTREATD CONTROL

DISP: Terminal Sacrifice

HISTO: A85-0175

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 |
| Lymph Node - Mesenteric | Mammary Gland | Parathyroid Gland | Preputial Gland |
| Salivary Glands | Seminal Vesicle | Skin | Stomach - Forestomach |
| Thymus | Thyroid Gland | Trachea | Urinary Bladder |

OBSERVATIONS

| | | | |
|-----------------|-------------------|----------------------------------|-------------------------|
| Adrenal Gland | Cortex | Hyperplasia | Minimal |
| Epididymis | | Inflammation | Chronic Active, Minimal |
| Heart | | Cardiomyopathy | Chronic, Mild |
| Kidney | | Nephropathy | Chronic, Moderate |
| | Renal Tubule | Pigmentation | Minimal |
| Liver | | Basophilic Focus | |
| | Bile Duct | Hyperplasia | Mild |
| | Portal | Inflammation | Chronic, Mild |
| Lung | | Hemorrhage | Minimal |
| Lymph Node | Mandibular | Hyperplasia | Lymphoid, Mild |
| Nose | Olfactory Epi | Degeneration | Minimal |
| | Mucosa | Inflammation | Acute, Mild |
| Pancreas | Acinus | Atrophy | Mild |
| Pituitary Gland | Pars Distalis | Adenoma | |
| Prostate | | Inflammation | Chronic Active, Mild |
| Spleen | | Hematopoietic Cell Proliferation | Mild |
| | | Pigmentation | Mild |
| Stomach | Glandular, Mucosa | Dilatation | Mild |
| Testes | Interstit Cell | Adenoma | |

Note: ADENOMA TGLs = 1-6

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:10

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 57

TRT#: 1

SEX: Male

DAY ON TEST: 730

DOSE: UNTREATD CONTROL

DISP: Terminal Sacrifice

HISTO: A85-0176

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

| | | | |
|----------------------|----------------|----------------------------|-------------------|
| Adrenal Gland | Cortex | Hyperplasia | Mild |
| | Medulla | Hyperplasia | Minimal |
| | Medulla | Pheochromocytoma Benign | |
| Eye | Retina | Cataract | Marked |
| | | Degeneration | Marked |
| Note: DEGEN | TGLs = 1-14 | | |
| Heart | | Cardiomyopathy | Chronic, Mild |
| Kidney | Renal Tubule | Leukemia Mononuclear | |
| | | Nephropathy | Chronic, Moderate |
| Liver | | Pigmentation | Minimal |
| | | Angiectasis | Minimal |
| | | Basophilic Focus | |
| | | Developmental Malformation | |
| | | Bile Duct | Hyperplasia |
| Lung | Portal | Inflammation | Chronic, Mild |
| | | Leukemia Mononuclear | |
| | | Leukemia Mononuclear | Chronic, Minimal |
| Note: DEVELOP MALFOR | TGLs = 4-13 | | |
| Nose | Arteriole | Mineralization | Mild |
| | Olfactory Epi | Degeneration | Minimal |
| Pancreas | Nasolacrim Dct | Inflammation | Acute, Mild |
| | Acinus | Atrophy | Mild |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:10

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 57

TRT#: 1

SEX: Male

DAY ON TEST: 730

DOSE: UNTREATD CONTROL

DISP: Terminal Sacrifice

HISTO: A85-0176

ORGAN AND ACCOUNTABLE SITE STATUS

| | | | |
|---------------------------------|----------------|----------------------|--------------------------|
| Pituitary Gland | Pars Distalis | Adenoma | |
| Preputial Gland | | Inflammation | Chronic, Mild |
| Prostate | | Inflammation | Chronic Active, Moderate |
| Spleen | | Leukemia Mononuclear | |
| Note: LEUKEMIA MONUC TGLs = 3-2 | | | |
| Testes | Interstit Cell | Adenoma | |
| Note: ADENOMA TGLs = 2-6 | | | |
| Thyroid Gland | C Cell | Adenoma | |
| | Follicle | Ectasia | Moderate |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:10

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 58

TRT#: 1

SEX: Male

DAY ON TEST: 712

DOSE: UNTREATD CONTROL

DISP: Dead

HISTO: A85-0177

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|---------------------------|-------------------------|----------------------------|-------------------------|
| Bone | Bone Marrow | Brain | Epididymis |
| Esophagus | Intestine Large - Colon | Intestine Small - Duodenum | Intestine Small - Ileum |
| Intestine Small - Jejunum | Islets, Pancreatic | Lung | Lymph Node - Mesenteric |
| Pancreas | Salivary Glands | Seminal Vesicle | Skin |
| Stomach - Glandular | Thymus | Thyroid Gland | Trachea |
| Urinary Bladder | | | |

OBSERVATIONS

| | | | |
|---|--------------|-----------------------------------|--------------------|
| Adrenal Gland | Cortex | Accessory Adrenal Cortical Nodule | |
| | Cortex | Degeneration | Fatty, Minimal |
| | Cortex | Hyperplasia | Mild |
| | Medulla | Hyperplasia | Mild |
| Heart | | Cardiomyopathy | Chronic, Minimal |
| Intestine Large | Cecum | Parasite Metazoan | |
| | Rectum | Parasite Metazoan | |
| Kidney | | Nephropathy | Chronic, Marked |
| | Renal Tubule | Pigmentation | Minimal |
| Note: COD-NEPHROPATHY | | | |
| Note: NEPHROPATHY TGLs = 3-5 | | | |
| Liver | | Congestion | Moderate |
| | | Developmental Malformation | |
| | | Focal Cellular Change | |
| | Bile Duct | Hyperplasia | Mild |
| | Portal | Inflammation | Chronic, Minimal |
| | | Vacuolization Cytoplasmic | Minimal |
| Note: DEVELOP MALFOR TGLs = 7-13 | | | |
| [Developmental Malformation TGLs = 6-2] | | | |
| Lymph Node | Mandibular | Congestion | Mild |
| | Mandibular | Hyperplasia | Lymphoid, Moderate |
| Mammary Gland | Acinus | Ectasia | Mild |
| Note: ECTASIA TGLs = 1-7 | | | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:10

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 58

TRT#: 1

SEX: Male

DAY ON TEST: 712

DOSE: UNTREATD CONTROL

DISP: Dead

HISTO: A85-0177

ORGAN AND ACCOUNTABLE SITE STATUS

| | | | |
|-------------------|----------------|----------------------------------|------------------------|
| Nose | Mucosa | Inflammation | Acute, Marked |
| Parathyroid Gland | | Hypertrophy | Mild |
| Pituitary Gland | Pars Distalis | Adenoma | |
| Note: ADENOMA | TGLs = 8-1 | | |
| Preputial Gland | | Inflammation | Chronic Active, Mild |
| Prostate | | Inflammation | Chronic Active, Marked |
| Spleen | | Hematopoietic Cell Proliferation | Minimal |
| | | Pigmentation | Moderate |
| Stomach | Forestomach | Inflammation | Acute, Mild |
| Testes | Interstit Cell | Adenoma | |
| | Interstit Cell | Hyperplasia | Minimal |
| Note: ADENOMA | TGLs = 2-6 | | |

PRIMARY CAUSE OF DEATH

-

Animal Note: TGL # 5-NCL

Animal Note: TGL # 4-NCL

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:10

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 59

TRT#: 1

SEX: Male

DAY ON TEST: 640

DOSE: UNTREATD CONTROL

DISP: Dead

HISTO: A85-0178

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 | Pancreas | Parathyroid Gland | Pituitary Gland |
| Preputial Gland | Salivary Glands | Seminal Vesicle | Stomach - Forestomach |
| Thyroid Gland | Trachea | Urinary Bladder | |

MISSING

Stomach - Glandular

OBSERVATIONS

| | | | |
|------------------------------------|----------------|------------------|----------------------|
| Adrenal Gland Note: TGL # 4-NCL | Cortex | Hyperplasia | Minimal |
| Heart | | Cardiomyopathy | Chronic, Moderate |
| Kidney | | Nephropathy | Chronic, Mild |
| Liver | Bile Duct | Basophilic Focus | |
| | Portal | Hyperplasia | Mild |
| | | Inflammation | Chronic, Mild |
| Lung | | Congestion | Moderate |
| | | Hemorrhage | Mild |
| | Alveolar Epith | Hyperplasia | Mild |
| | Arteriole | Mineralization | Mild |
| Note: CONGESTION TGLs = 2-3 | | | |
| Note: HYPERPLASIA TGLs = 3-13.1 | | | |
| Lymph Node | Mesenteric | Congestion | Moderate |
| | Mandibular | Hyperplasia | Lymphoid, Mild |
| Mammary Gland | Acinus | Ectasia | Moderate |
| Nose | Olfactory Epi | Degeneration | Minimal |
| Prostate | | Inflammation | Chronic Active, Mild |
| Skin | | Abscess | Moderate |
| Spleen | | Fibrosis | Mild |
| | | Pigmentation | Moderate |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:10

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 59

TRT#: 1

SEX: Male

DAY ON TEST: 640

DOSE: UNTREATD CONTROL

DISP: Dead

HISTO: A85-0178

ORGAN AND ACCOUNTABLE SITE STATUS

Testes
Note: ADENOMA TGLs = 1-6
Thymus

Interstit Cell

Adenoma

Congestion

Moderate

PRIMARY CAUSE OF DEATH

-

Animal Note: COD-UNKNOWN

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:10

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 60

TRT#: 1

SEX: Male

DAY ON TEST: 730

DOSE: UNTREATD CONTROL

DISP: Terminal Sacrifice

HISTO: A85-0179

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

| | | | |
|----------------------------------|-------------------|----------------------------------|--------------------------|
| Adrenal Gland | Cortex | Degeneration | Fatty, Mild |
| Epididymis | | Inflammation | Chronic, Mild |
| Eye | Lids | Squamous Cell Carcinoma | |
| Note: SQUAM CEL CARC TGLs = 1-13 | | | |
| Heart | | Cardiomyopathy | Chronic, Moderate |
| Intestine Large | Cecum | Parasite Metazoan | |
| Kidney | Renal Tubule | Nephropathy | Chronic, Moderate |
| | | Pigmentation | Mild |
| Liver | | Basophilic Focus | |
| | Bile Duct | Hyperplasia | Mild |
| | Portal | Inflammation | Chronic, Mild |
| Lung | Arteriole | Mineralization | Mild |
| Lymph Node | Mandibular | Hyperplasia | Lymphoid, Mild |
| Nose | Lumen | Hemorrhage | Mild |
| | Nasolacrim Dct | Inflammation | Acute, Mild |
| Pancreas | Acinus | Atrophy | Moderate |
| Pituitary Gland | Pars Distalis | Adenoma | |
| Preputial Gland | | Inflammation | Chronic Active, Moderate |
| Prostate | | Inflammation | Chronic, Mild |
| Spleen | | Hematopoietic Cell Proliferation | Mild |
| | | Pigmentation | Mild |
| Stomach | Glandular, Mucosa | Dilatation | Mild |
| Testes | Interstit Cell | Adenoma | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:10

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 60

TRT#: 1

SEX: Male

DAY ON TEST: 730

DOSE: UNTREATD CONTROL

DISP: Terminal Sacrifice

HISTO: A85-0179

ORGAN AND ACCOUNTABLE SITE STATUS

Note: ADENOMA TGLs = 2-6

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:10

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 61

TRT#: 3

SEX: Male

DAY ON TEST: 682

DOSE: 5.0%

DISP: Moribund

HISTO: A85-0180

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

| | | | |
|---------------------------|---------------|-------------------------|--------------------------|
| Adrenal Gland | Cortex | Degeneration | Fatty, Mild |
| | Medulla | Hyperplasia | Mild |
| | Medulla | Pheochromocytoma Benign | |
| Heart | | Cardiomyopathy | Chronic, Mild |
| Kidney | | Cyst | |
| | | Nephropathy | Chronic, Moderate |
| | Renal Tubule | Pigmentation | Minimal |
| Note: CYST TGLs = 4-16 | | | |
| Note: COD-NEPHROPATHY | | | |
| Liver | | Angiectasis | Minimal |
| | | Basophilic Focus | |
| | Bile Duct | Hyperplasia | Mild |
| | Portal | Inflammation | Chronic, Mild |
| Lung | | Hemorrhage | Mild |
| | Arteriole | Mineralization | Mild |
| Nose | Lumen | Hemorrhage | Minimal |
| Pancreas | Acinus | Atrophy | Mild |
| Pituitary Gland | Pars Distalis | Cyst | |
| | Pars Distalis | Hyperplasia | Mild |
| Note: CYST TGLs = 5-1 | | | |
| Preputial Gland | | Adenoma | |
| | | Inflammation | Chronic Active, Moderate |
| Note: ADENOMA TGLs = 2-14 | | | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014
Time Report Requested: 08:21:10
First Dose M/F: NA / NA
Lab: SRI

| | | | |
|----------------------|-------------------------------------|---|---|
| ANIMAL ID: 61 | TRT#: 3 DOSE: 5.0% | SEX: Male DISP: Moribund | DAY ON TEST: 682 HISTO: A85-0180 |
|----------------------|-------------------------------------|---|---|

| ORGAN AND ACCOUNTABLE SITE STATUS | | | |
|--|-------------|----------------------------------|--------------------------|
| Prostate | | Inflammation | Chronic Active, Moderate |
| Skin | | Fibroma | |
| Note: FIBROMA | TGLs = 1-13 | | |
| Spleen | | Hematopoietic Cell Proliferation | Mild |
| Testes | | Adenoma | |
| | | Hyperplasia | Minimal |
| Note: ADENOMA | TGLs = 3-6 | | |

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

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:10

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 62

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 5.0%

DISP: Terminal Sacrifice

HISTO: A85-0181

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

| | | | |
|------------------------------|--------------------|-------------------------|--------------------------|
| Adrenal Gland | Cortex | Degeneration | Fatty, Mild |
| | Cortex | Hyperplasia | Mild |
| | Bilateral, Medulla | Pheochromocytoma Benign | |
| Heart | | Cardiomyopathy | Chronic, Mild |
| Kidney | | Nephropathy | Chronic, Marked |
| | Renal Tubule | Pigmentation | Minimal |
| Note: NEPHROPATHY TGLs = 2-5 | | | |
| Liver | | Basophilic Focus | |
| | Bile Duct | Hyperplasia | Mild |
| | Portal | Inflammation | Chronic, Minimal |
| Lung | Arteriole | Mineralization | Mild |
| Lymph Node | Mandibular | Cyst | |
| | Mandibular | Hyperplasia | Lymphoid, Mild |
| Note: CYST TGLs = 4-7 | | | |
| Nose | Olfactory Epi | Degeneration | Mild |
| | Respirat Epith | Degeneration | Mild |
| Pancreas | Acinus | Atrophy | Mild |
| Parathyroid Gland | | Hypertrophy | Mild |
| Pituitary Gland | Pars Distalis | Adenoma | |
| Note: ADENOMA TGLs = 3-1 | | | |
| Preputial Gland | | Inflammation | Chronic, Moderate |
| Prostate | | Inflammation | Chronic Active, Moderate |
| Spleen | | Pigmentation | Mild |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:10

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 62

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 5.0%

DISP: Terminal Sacrifice

HISTO: A85-0181

ORGAN AND ACCOUNTABLE SITE STATUS

| | | | |
|---------------|-------------------|-------------|------|
| Stomach | Glandular, Mucosa | Dilatation | Mild |
| Testes | Interstitial Cell | Adenoma | |
| Note: ADENOMA | TGLs = 1-6 | | |
| Thyroid Gland | C Cell | Hyperplasia | Mild |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:10

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 63

TRT#: 3

SEX: Male

DAY ON TEST: 454

DOSE: 5.0%

DISP: Moribund

HISTO: A84031011

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 | Lymph Node - Mesenteric | Pancreas | Parathyroid Gland |
| Preputial Gland | Salivary Glands | Seminal Vesicle | Skin |
| Stomach - Forestomach | Stomach - Glandular | Testes | Trachea |
| Urinary Bladder | | | |

MISSING

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

OBSERVATIONS

| | | | |
|--------------------------------|---------------|----------------------------------|--------------------------|
| Brain | | Compression Hydrocephalus | Mild |
| Note: COMPRESSION TGLs = 3-1 | | | |
| Note: HYDROCEPHALUS TGLs = 3-1 | | | |
| Heart | | Cardiomyopathy | Chronic, Mild |
| Kidney | | Nephropathy | Chronic, Mild |
| | Renal Tubule | Pigmentation | Mild |
| Liver | Bile Duct | Hyperplasia | Mild |
| | Portal | Inflammation | Chronic, Mild |
| Lung | Alveolus | Infiltration Cellular | Histiocyte, Mild |
| Mammary Gland | Acinus | Ectasia | Mild |
| Note: ECTASIA TGLs = 1-8 | | | |
| Nose | Mucosa | Inflammation | Chronic, Mild |
| Pituitary Gland | Pars Distalis | Adenoma | |
| Note: ADENOMA TGLs = 2-1 | | | |
| Note: COD-ADENOMA | | | |
| Prostate | | Inflammation | Chronic Active, Moderate |
| Spleen | | Hematopoietic Cell Proliferation | Moderate |
| | | Pigmentation | Moderate |
| Thyroid Gland | | Ultimobranchial Cyst | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:10

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 63

TRT#: 3

SEX: Male

DAY ON TEST: 454

DOSE: 5.0%

DISP: Moribund

HISTO: A84031011

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:10

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 64

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 5.0%

DISP: Terminal Sacrifice

HISTO: A85-0183

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|-------------------------|--------------------------|----------------------------|-------------------------|
| Bone | Brain | Epididymis | Esophagus |
| Intestine Large - Colon | Intestine Large - Rectum | Intestine Small - Duodenum | Intestine Small - Ileum |
| Lymph Node - Mesenteric | Nose | Parathyroid Gland | Salivary Glands |
| Seminal Vesicle | Stomach - Forestomach | Thymus | Trachea |
| Urinary Bladder | | | |

OBSERVATIONS

| | | | |
|--------------------------------|---------------|-------------------------|--------------------------|
| Adrenal Gland | Cortex | Degeneration | Fatty, Mild |
| | Cortex | Hyperplasia | Mild |
| | Medulla | Pheochromocytoma Benign | |
| Bone Marrow | | Hemorrhage | Marked |
| Heart | | Cardiomyopathy | Chronic, Moderate |
| Intestine Large | Cecum | Parasite Metazoan | |
| Intestine Small | Jejunum | Inflammation | Chronic Active, Moderate |
| Note: INFLAMMATION TGLs = 3-13 | | | |
| Islets, Pancreatic | | Adenoma | |
| Kidney | Renal Tubule | Nephropathy | Chronic, Marked |
| Note: NEPHROPATHY TGLs = 2-5 | | Pigmentation | Minimal |
| Liver | | Basophilic Focus | |
| | Bile Duct | Hyperplasia | Mild |
| | Portal | Inflammation | Chronic, Mild |
| Lung | Arteriole | Mineralization | Mild |
| Lymph Node | Mandibular | Hyperplasia | Lymphoid, Mild |
| Mammary Gland | Acinus | Ectasia | Moderate |
| Note: ECTASIA TGLs = 1-7 | | | |
| Pancreas | Acinus | Atrophy | Mild |
| Pituitary Gland | Pars Distalis | Adenoma | |
| Note: ADENOMA TGLs = 5-1 | | | |
| Preputial Gland | | Adenoma | |
| Note: ADENOMA TGLs = 6-8 | | | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:10

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 64

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 5.0%

DISP: Terminal Sacrifice

HISTO: A85-0183

ORGAN AND ACCOUNTABLE SITE STATUS

| | | | |
|----------------------|-------------------|----------------------------------|--------------------------|
| Prostate | | Inflammation | Chronic Active, Moderate |
| Skin | | Keratoacanthoma | |
| Note: KERATOACANTHMA | TGLs = 4-14 | | |
| Spleen | | Hematopoietic Cell Proliferation | Mild |
| | | Pigmentation | Mild |
| Stomach | Glandular, Mucosa | Dilatation | Mild |
| Testes | Interstit Cell | Hyperplasia | Minimal |
| Thyroid Gland | C Cell | Hyperplasia | Mild |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:10

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 65

TRT#: 3

SEX: Male

DAY ON TEST: 688

DOSE: 5.0%

DISP: Moribund

HISTO: A85-0184

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 | Lymph Node - Mesenteric |
| Mammary Gland | Pituitary Gland | Salivary Glands | Seminal Vesicle |
| Skin | Stomach - Forestomach | Stomach - Glandular | Thymus |
| Thyroid Gland | Trachea | Urinary Bladder | |

OBSERVATIONS

| | | | |
|-----------------------|----------------|----------------------------------|--------------------------|
| Adrenal Gland | Cortex | Degeneration | Fatty, Mild |
| | Medulla | Pheochromocytoma Benign | |
| Epididymis | | Inflammation | Chronic Active, Moderate |
| Heart | | Cardiomyopathy | Chronic, Moderate |
| Kidney | | Nephropathy | Chronic, Marked |
| | Renal Tubule | Pigmentation | Minimal |
| Note: COD-NEPHROPATHY | | | |
| Liver | Bile Duct | Hyperplasia | Mild |
| | Portal | Inflammation | Chronic, Mild |
| Lung | Arteriole | Mineralization | Minimal |
| Lymph Node | Mandibular | Hyperplasia | Lymphoid, Mild |
| Nose | Olfactory Epi | Degeneration | Mild |
| Pancreas | Acinus | Atrophy | Minimal |
| Parathyroid Gland | | Hypertrophy | Mild |
| Preputial Gland | | Carcinoma | |
| Note: CARCINOMA | TGLs = 1-13 | | |
| Prostate | | Inflammation | Chronic Active, Moderate |
| Spleen | | Hematopoietic Cell Proliferation | Moderate |
| Testes | Interstit Cell | Adenoma | |
| Note: ADENOMA | TGLs = 2-6 | | |
| Urethra | | Calculus Micro Observation Only | |

PRIMARY CAUSE OF DEATH

-

Animal Note: TGL # 3(CARCASS)-NCL

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:10

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 65

TRT#: 3

SEX: Male

DAY ON TEST: 688

DOSE: 5.0%

DISP: Moribund

HISTO: A85-0184

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:10

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 66

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 5.0%

DISP: Terminal Sacrifice

HISTO: A85-0185

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 | Lymph Node - Mesenteric | Parathyroid Gland | Pituitary Gland |
| Salivary Glands | Seminal Vesicle | Skin | Stomach - Forestomach |
| Thymus | Trachea | Urinary Bladder | |

OBSERVATIONS

| | | | |
|-----------------|-------------------|----------------------------------|--------------------------|
| Adrenal Gland | Cortex | Degeneration | Fatty, Minimal |
| | Cortex | Hyperplasia | Minimal |
| Heart | | Cardiomyopathy | Chronic, Moderate |
| Kidney | | Nephropathy | Chronic, Marked |
| | Renal Tubule | Pigmentation | Minimal |
| Liver | | Basophilic Focus | |
| | Bile Duct | Hyperplasia | Mild |
| Lung | Arteriole | Mineralization | Mild |
| Lymph Node | Mandibular | Hyperplasia | Lymphoid, Mild |
| Mammary Gland | Acinus | Ectasia | Mild |
| Nose | Olfactory Epi | Degeneration | Mild |
| | Respirat Epith | Degeneration | Minimal |
| | Nasolacrim Dct | Inflammation | Acute, Moderate |
| Pancreas | Acinus | Atrophy | Mild |
| Preputial Gland | | Inflammation | Chronic Active, Mild |
| Prostate | | Inflammation | Chronic Active, Moderate |
| Spleen | | Hematopoietic Cell Proliferation | Mild |
| | | Pigmentation | Mild |
| Stomach | Glandular, Mucosa | Dilatation | Mild |
| Testes | Interstit Cell | Adenoma | |
| Note: ADENOMA | TGLs = 1-6 | | |
| Thyroid Gland | C Cell | Hyperplasia | Mild |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:10

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 67

TRT#: 3

SEX: Male

DAY ON TEST: 701

DOSE: 5.0%

DISP: Moribund

HISTO: A85-0186

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|-------------------------|---------------------------|-------------------------|----------------------------|
| Bone | Bone Marrow | Brain | Epididymis |
| Esophagus | Intestine Large - Cecum | Intestine Large - Colon | Intestine Small - Duodenum |
| Intestine Small - Ileum | Intestine Small - Jejunum | Islets, Pancreatic | Pancreas |
| Parathyroid Gland | Pituitary Gland | Salivary Glands | Seminal Vesicle |
| Stomach - Forestomach | Trachea | Urinary Bladder | |

OBSERVATIONS

| | | | |
|-----------------|--------------|------------------------|--------------------|
| Adrenal Gland | Cortex | Degeneration | Fatty, Mild |
| | Cortex | Hyperplasia | Mild |
| | Medulla | Hyperplasia | Minimal |
| | Cortex | Leukemia Mononuclear | |
| | Medulla | Leukemia Mononuclear | |
| Heart | | Cardiomyopathy | Chronic, Mild |
| Intestine Large | Rectum | Parasite Metazoan | |
| Kidney | | Nephropathy | Chronic, Moderate |
| | Renal Tubule | Pigmentation | Mild |
| Liver | | Hepatocellular Adenoma | |
| | Bile Duct | Hyperplasia | Marked |
| | Portal | Inflammation | Chronic, Mild |
| | | Leukemia Mononuclear | |
| Lung | | Hemorrhage | Minimal |
| | Alveolus | Infiltration Cellular | Histiocyte, Mild |
| | | Leukemia Mononuclear | |
| | Arteriole | Mineralization | Mild |
| | Mandibular | Hyperplasia | Lymphoid, Moderate |
| Mammary Gland | Mesenteric | Leukemia Mononuclear | |
| | Acinus | Ectasia | Mild |
| Mesentery | Fat | Necrosis | Moderate |
| Note: NECROSIS | TGLs = 4-14 | | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:10

First Dose M/F: NA / NA

Lab: SRI

| | | | |
|----------------------|-------------------------------------|---|---|
| ANIMAL ID: 67 | TRT#: 3 DOSE: 5.0% | SEX: Male DISP: Moribund | DAY ON TEST: 701 HISTO: A85-0186 |
|----------------------|-------------------------------------|---|---|

ORGAN AND ACCOUNTABLE SITE STATUS

| | | | |
|--|----------------------------------|---|----------------------|
| Nose | Olfactory Epi Lumen | Degeneration Hemorrhage Carcinoma | Minimal Minimal |
| Preputial Gland Note: CARCINOMA TGLs = 2-8 | | | |
| Prostate | | Inflammation | Chronic Active, Mild |
| Skin Note: NEUROFIBROSARC TGLs = 1-13 | Subcut Tiss | Neurofibrosarcoma | |
| Spleen Note: LEUKEMIA MONUC TGLs = 5-2 Note: COD-LEUKEMIA, MONUC | | Leukemia Mononuclear | |
| Stomach | Glandular, Mucosa | Dilatation | Mild |
| Testes Note: ADENOMA TGLs = 3-6 | Interstit Cell Interstit Cell | Adenoma Hyperplasia | Moderate |
| Thymus | | Leukemia Mononuclear | |
| Thyroid Gland | C Cell Follicle | Hyperplasia Hyperplasia | Mild Mild |

PRIMARY CAUSE OF DEATH

-

Animal Note: TGL # 6(CAVITIES)-NCL

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:10

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 68

TRT#: 3

SEX: Male

DAY ON TEST: 575

DOSE: 5.0%

DISP: Moribund

HISTO: A85-0187

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla
Epididymis
Intestine Large - Colon
Intestine Small - Jejunum
Parathyroid Gland
Stomach - Forestomach
Urinary Bladder

Bone
Esophagus
Intestine Large - Rectum
Islets, Pancreatic
Salivary Glands
Thymus

Bone Marrow
Heart
Intestine Small - Duodenum
Lymph Node - Mesenteric
Seminal Vesicle
Thyroid Gland

Brain
Intestine Large - Cecum
Intestine Small - Ileum
Mammary Gland
Skin
Trachea

OBSERVATIONS

Adrenal Gland
Ear
 Note: COD-SQUAMOUS CELL CARC
 Note: SQUAM CEL CARC TGLs = 4-14
Kidney
Liver
Lung
Lymph Node
 Note: CYST TGLs = 1-13
 Note: HYPERPLASIA TGLs = 1-13+7
Nose
Pancreas
Pituitary Gland
Preputial Gland
Prostate
Spleen
Stomach
Testes

Cortex
Canal
Bile Duct
Portal
Arteriole
Mandibular
Mandibular
Olfactory Epi
Nasolacrim Dct
Pars Distalis
Pars Distalis
Glandular, Mucosa
Interstit Cell

Degeneration
Squamous Cell Carcinoma
Nephropathy
Hyperplasia
Inflammation
Mineralization
Cyst
Hyperplasia
Degeneration
Inflammation
Infiltration Cellular
Adenoma
Hyperplasia
Inflammation
Inflammation
Hematopoietic Cell Proliferation
Dilatation
Adenoma

Fatty, Minimal
Chronic, Mild
Mild
Chronic, Mild
Mild
Lymphoid, Moderate
Mild
Acute, Mild
Lymphocyte, Mild
Mild
Chronic, Minimal
Chronic, Minimal
Moderate
Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014
Time Report Requested: 08:21:10
First Dose M/F: NA / NA
Lab: SRI

| | | | |
|----------------------|-------------------------------------|---|---|
| ANIMAL ID: 68 | TRT#: 3 DOSE: 5.0% | SEX: Male DISP: Moribund | DAY ON TEST: 575 HISTO: A85-0187 |
|----------------------|-------------------------------------|---|---|

| ORGAN AND ACCOUNTABLE SITE STATUS | | | |
|--|---------------------------------|-----------------------------|-------------------------------|
| Tooth Note: TGL # 3 (TOOTH)-NST Note: INFLAMMATION TGLs = 2-15 | Interstit Cell Peridont Tiss | Hyperplasia Inflammation | Moderate Chronic, Moderate |

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

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:10

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 69

TRT#: 3

SEX: Male

DAY ON TEST: 458

DOSE: 5.0%

DISP: Dead

HISTO: A84031012

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

OBSERVATIONS

| | | | |
|-------------------------------------|-------------------|----------------------------------|------------------|
| Kidney | | Nephropathy | Chronic, Minimal |
| Liver | Bile Duct | Hyperplasia | Mild |
| | Portal | Inflammation | Chronic, Mild |
| | | Necrosis | Minimal |
| Lung | | Leukemia Mononuclear | |
| Note: COD-LEUKEMIA MONUC | | | |
| Lymph Node | Mandibular | Hyperplasia | Lymphoid, Mild |
| Nose | Olfactory Epi | Degeneration | Minimal |
| Pancreas | Acinus | Atrophy | Mild |
| Skin | Subcut Tiss | Sarcoma | |
| Note: [SARCOMA] TGLs = 1-21 | | | |
| Spleen | | Hematopoietic Cell Proliferation | Moderate |
| | | Hyperplasia | Lymphoid, Mild |
| Note: HYPERPLASIA TGLs = 2-2+2.1 | | | |
| Note: HEMA CELL PROL TGLs = 2-2+2.1 | | | |
| Stomach | Glandular, Mucosa | Erosion | Mild |
| Note: EROSION TGLs = 4-5.1 | | | |
| Testes | Interstit Cell | Hyperplasia | Minimal |

PRIMARY CAUSE OF DEATH

-

Animal Note: TGL # 3-NST

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:10

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 70

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 5.0%

DISP: Terminal Sacrifice

HISTO: A85-0189

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|---------------------------|--------------------------|----------------------------|-------------------------|
| Bone | Bone Marrow | Epididymis | Esophagus |
| Intestine Large - Cecum | Intestine Large - Rectum | Intestine Small - Duodenum | Intestine Small - Ileum |
| Intestine Small - Jejunum | Islets, Pancreatic | Mammary Gland | Nose |
| Pancreas | Parathyroid Gland | Seminal Vesicle | Skin |
| Stomach - Forestomach | Stomach - Glandular | Thyroid Gland | Trachea |
| Urinary Bladder | | | |

OBSERVATIONS

| | | | |
|-----------------|--------------------|-------------------------|-----------------|
| Adrenal Gland | Cortex | Degeneration | Fatty, Mild |
| | Bilateral, Medulla | Pheochromocytoma Benign | |
| Brain | | Compression | Mild |
| Eye | | Cataract | Marked |
| | Retina | Degeneration | Marked |
| Note: CATARACT | TGLs = 1-14 | | |
| Heart | | Cardiomyopathy | Chronic, Marked |
| | | Leukemia Mononuclear | |
| Intestine Large | Colon | Parasite Metazoan | |
| Kidney | | Nephropathy | Chronic, Marked |
| | Renal Tubule | Pigmentation | Minimal |
| Liver | Bile Duct | Hyperplasia | Mild |
| | Portal | Inflammation | Chronic, Mild |
| | | Leukemia Mononuclear | |
| Lung | | Leukemia Mononuclear | |
| | Arteriole | Mineralization | Minimal |
| Lymph Node | Mandibular | Hyperplasia | Lymphoid, Mild |
| | Mesenteric | Leukemia Mononuclear | |
| Mesentery | Fat | Necrosis | Marked |
| Note: NECROSIS | TGLs = 2-13 | | |
| Pituitary Gland | Pars Distalis | Adenoma | |
| Note: ADENOMA | TGLs = 5-1 | | |
| Preputial Gland | | Inflammation | Chronic, Mild |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:10

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 70

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 5.0%

DISP: Terminal Sacrifice

HISTO: A85-0189

ORGAN AND ACCOUNTABLE SITE STATUS

| | | | |
|----------------------|----------------|---------------------------------|--------------------------|
| Prostate | | Squamous Cell Carcinoma | |
| Salivary Glands | | Inflammation | Chronic Active, Moderate |
| Spleen | | Infiltration Cellular | Lymphocyte, Minimal |
| Note: LEUKEMIA MONUC | TGLs = 4-2 | Leukemia Mononuclear | |
| Testes | Interstit Cell | Adenoma | |
| | Interstit Cell | Hyperplasia | Minimal |
| Note: ADENOMA | Artery | Inflammation | Chronic, Mild |
| | | | |
| Thymus | | Leukemia Mononuclear | |
| Urethra | | Calculus Micro Observation Only | |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:10

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 71

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 5.0%

DISP: Terminal Sacrifice

HISTO: A85-0190

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

| | | | |
|-------------------------|---------------|-------------------------|--------------------------|
| Adrenal Gland | Cortex | Cyst | |
| | Medulla | Pheochromocytoma Benign | |
| Note: [PHEOCHROM BGN] | TGLs = 6-8 | | |
| Note: CYST | TGLs = 6-8 | | |
| Heart | | Cardiomyopathy | Chronic, Minimal |
| Intestine Large | Cecum | Parasite Metazoan | |
| Kidney | Renal Tubule | Nephropathy | Chronic, Moderate |
| | | Pigmentation | Minimal |
| Liver | | Basophilic Focus | |
| | Bile Duct | Granuloma | Minimal |
| | Portal | Hyperplasia | Minimal |
| Lung | Alveolus | Inflammation | Chronic, Mild |
| | Bronchiole | Infiltration Cellular | Histiocyte, Minimal |
| | Arteriole | Inflammation | Acute, Minimal |
| Lymph Node | Mandibular | Mineralization | Mild |
| | Mandibular | Cyst | |
| Nose | Olfactory Epi | Hyperplasia | Lymphoid, Mild |
| | Mucosa | Degeneration | Mild |
| Pancreas | Acinus | Inflammation | Acute, Marked |
| Pituitary Gland | Pars Distalis | Atrophy | Mild |
| Note: ADENOMA | TGLs = 7-1 | Adenoma | |
| Preputial Gland | | Inflammation | Chronic, Mild |
| Prostate | | Inflammation | Chronic Active, Moderate |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:10

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 71

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 5.0%

DISP: Terminal Sacrifice

HISTO: A85-0190

ORGAN AND ACCOUNTABLE SITE STATUS

| | | | |
|------------------------|-------------------|----------------------------------|---------|
| Skin | Subcut Tiss | Fibroma | |
| | | Keratoacanthoma | |
| | Subcut Tiss | Neurofibroma | |
| Note: KERATOACANTHMA | TGLs = 1-13 | | |
| Note: FIBROMA | TGLs = 3,4-15,16 | | |
| Note: NEUROFIBROMA | TGLs = 2-14 | | |
| Spleen | | Hematopoietic Cell Proliferation | Minimal |
| | | Pigmentation | Mild |
| Stomach | Glandular, Mucosa | Dilatation | Mild |
| Testes | Interstit Cell | Adenoma | |
| Note: ADENOMA | TGLs = 5-6 | | |
| Thyroid Gland | Follicle | Ectasia | Mild |
| PRIMARY CAUSE OF DEATH | - | | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:10

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 72

TRT#: 3

SEX: Male

DAY ON TEST: 668

DOSE: 5.0%

DISP: Moribund

HISTO: A85-0191

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 | Pancreas | Parathyroid Gland | Pituitary Gland |
| Preputial Gland | Prostate | Salivary Glands | Seminal Vesicle |
| Skin | Stomach - Forestomach | Thymus | Trachea |
| Urinary Bladder | | | |

OBSERVATIONS

| | | | |
|--------------------------------|--------------|-------------------------|--------------------|
| Adrenal Gland | Cortex | Degeneration | Fatty, Minimal |
| Eye | Antr Chamber | Hemorrhage | Moderate |
| | Cornea | Inflammation | Acute, Marked |
| Note: HEMORRHAGE TGLs = 2-14 | | | |
| Note: INFLAMMATION TGLs = 3-14 | | | |
| Heart | | Cardiomyopathy | Chronic, Mild |
| Intest Large | | | |
| Note: TGL # 9-NCL | | | |
| Intest Small | | | |
| Note: TGL # 8-NCL | | | |
| Kidney | | Nephropathy | Chronic, Marked |
| | Renal Tubule | Pigmentation | Minimal |
| Note: NEPHROPATHY TGLs = 6-5 | | | |
| Liver | | Basophilic Focus | |
| | Bile Duct | Hyperplasia | Minimal |
| | Portal | Inflammation | Chronic, Mild |
| Lung | Arteriole | Mineralization | Mild |
| Lymph Node | Mesenteric | Congestion | Mild |
| | Mandibular | Hyperplasia | Lymphoid, Moderate |
| | Mandibular | Inflammation | Acute, Moderate |
| Mammary Gland | Acinus | Ectasia | Mild |
| Nose | Mucosa | Squamous Cell Carcinoma | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014
Time Report Requested: 08:21:10
First Dose M/F: NA / NA
Lab: SRI

| | | | |
|----------------------|-------------------------------------|---|---|
| ANIMAL ID: 72 | TRT#: 3 DOSE: 5.0% | SEX: Male DISP: Moribund | DAY ON TEST: 668 HISTO: A85-0191 |
|----------------------|-------------------------------------|---|---|

ORGAN AND ACCOUNTABLE SITE STATUS

Note: SQUAM CEL CARC TGLs = 10-10,11,12,13

Note: COD-SQUAMOUS CELL CARCINOMA

| | | | |
|----------------------------|-------------------|----------------------------------|----------|
| Spleen | | Fibrosis | Moderate |
| | | Hematopoietic Cell Proliferation | Moderate |
| | | Pigmentation | Moderate |
| Note: FIBROSIS TGLs = 5-2 | | | |
| Stomach | Glandular, Mucosa | Dilatation | Mild |
| Note: TGL # 7-NCL | | | |
| Testes | Interstit Cell | Adenoma | |
| Note: ADENOMA TGLs = 1-6 | | | |
| Thyroid Gland | C Cell | Hyperplasia | Minimal |
| Tooth | Pulp | Necrosis | Marked |
| Note: NECROSIS TGLs = 4-13 | | | |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:10

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 73

TRT#: 3

SEX: Male

DAY ON TEST: 597

DOSE: 5.0%

DISP: Moribund

HISTO: A85-0192

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 | Lung |
| Lymph Node - Mesenteric | Mammary Gland | Pancreas | Preputial Gland |
| Salivary Glands | Seminal Vesicle | Stomach - Forestomach | Stomach - Glandular |
| Thymus | Thyroid Gland | Tooth | Trachea |
| Urinary Bladder | | | |

MISSING

Parathyroid Gland

OBSERVATIONS

| | | | |
|-----------------------------------|---------------|-------------------------|--------------------------|
| Adrenal Gland | Cortex | Hyperplasia | Mild |
| | Medulla | Hyperplasia | Minimal |
| Brain | | Hemorrhage | Mild |
| Ear | Canal | Squamous Cell Carcinoma | |
| Note: SQUAM CEL CARC TGLs = 6-15 | | | |
| Note: COD-SQUAMOUS CELL CARCINOMA | | | |
| Heart | | Cardiomyopathy | Chronic, Mild |
| Kidney | | Nephropathy | Chronic, Mild |
| | Renal Tubule | Pigmentation | Mild |
| Liver | Bile Duct | Hyperplasia | Mild |
| | Portal | Inflammation | Chronic, Mild |
| Lymph Node | Mandibular | Hyperplasia | Lymphoid, Mild |
| Nose | Mucosa | Inflammation | Acute, Moderate |
| Pituitary Gland | Pars Distalis | Adenoma | |
| | Pars Intermed | Angiectasis | Mild |
| | Pars Intermed | Cyst | |
| Note: ADENOMA TGLs = 7-1 | | | |
| Prostate | | Inflammation | Chronic Active, Moderate |
| Skin | | Keratoacanthoma | |
| | | Ulcer | Marked |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:10

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 73

TRT#: 3

SEX: Male

DAY ON TEST: 597

DOSE: 5.0%

DISP: Moribund

HISTO: A85-0192

ORGAN AND ACCOUNTABLE SITE STATUS

Note: KERATOACANTHOMA TGLs = 1-13

Note: ULCER TGLs = 3-14

Spleen

Pigmentation

Moderate

Testes

Interstit Cell

Adenoma

Interstit Cell

Hyperplasia

Minimal

Note: ADENOMA TGLs = 2-6.1

Note: HYPERPLASIA TGLs = 2-6

Tooth

Note: TGL # 5-NST

Note: TGL # 4-NCL

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:10

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 74

TRT#: 3

SEX: Male

DAY ON TEST: 646

DOSE: 5.0%

DISP: Moribund

HISTO: A85-0193

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

| | | | |
|----------------------|--------------------|-------------------------|-------------------|
| Adrenal Gland | Cortex | Degeneration | Fatty, Mild |
| | Cortex | Hyperplasia | Mild |
| | Medulla | Hyperplasia | Moderate |
| | Cortex | Leukemia Mononuclear | |
| | Medulla | Leukemia Mononuclear | |
| | Bilateral, Medulla | Pheochromocytoma Benign | |
| Eye | | Cataract | Marked |
| | Retina | Degeneration | Marked |
| | Retina | Leukemia Mononuclear | |
| Note: CATARACT | TGLs = 1-14 | | |
| Note: DEGEN | TGLs = 1-14 | | |
| Heart | | Cardiomyopathy | Chronic, Mild |
| Kidney | | Nephropathy | Chronic, Moderate |
| | Renal Tubule | Pigmentation | Minimal |
| Liver | | Basophilic Focus | |
| | Bile Duct | Hyperplasia | Moderate |
| | Portal | Inflammation | Chronic, Mild |
| | | Leukemia Mononuclear | |
| Note: LEUKEMIA MONUC | TGLs = 4-2 | | |
| Lung | | Leukemia Mononuclear | |
| Lymph Node | Arteriole | Mineralization | Mild |
| | Mandibular | Hyperplasia | Lymphoid, Mild |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:10

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 74

TRT#: 3

SEX: Male

DAY ON TEST: 646

DOSE: 5.0%

DISP: Moribund

HISTO: A85-0193

ORGAN AND ACCOUNTABLE SITE STATUS

| | | | |
|---|---------------------------------|------------------------------|----------------------|
| Mesentery Note: TGL # 6-NCL | | | |
| Nose | Olfactory Epi Respirat Epith | Degeneration Degeneration | Mild Minimal |
| Pancreas Note: TGL # 5-NCL | | | |
| Pituitary Gland Note: ADENOMA TGLs = 7-1 | Pars Distalis | Adenoma | |
| Preputial Gland | | Inflammation | Chronic, Mild |
| Prostate | | Inflammation | Chronic Active, Mild |
| Spleen Note: COD-LEUKEMIA MONUC Note: LEUKEMIA MONUC TGLs = 3-2 | | Leukemia Mononuclear | |
| Stomach | Glandular, Mucosa | Dilatation | Mild |
| Testes Note: ADENOMA TGLs = 2-6 | Interstit Cell | Adenoma | |
| PRIMARY CAUSE OF DEATH | - | | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:10

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 75

TRT#: 3

SEX: Male

DAY ON TEST: 646

DOSE: 5.0%

DISP: Moribund

HISTO: A85-0194

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

| | | | |
|-------------------|----------------|-----------------------|---------------------|
| Blood | | | |
| Note: TGL # 1-NCL | | | |
| Eye | | Cataract | Moderate |
| | Retina | Degeneration | Marked |
| Note: DEGEN | TGLs = 2-15 | | |
| Note: CATARACT | TGLs = 2-15 | | |
| Heart | | Cardiomyopathy | Chronic, Mild |
| Kidney | | Nephropathy | Chronic, Mild |
| | Renal Tubule | Pigmentation | Minimal |
| Note: NEPHROPATHY | TGLs = 6-5 | | |
| Liver | Bile Duct | Hyperplasia | Mild |
| | Portal | Inflammation | Chronic, Mild |
| Lung | Alveolus | Infiltration Cellular | Histiocyte, Minimal |
| | Arteriole | Mineralization | Mild |
| Lymph Node | Mandibular | Hyperplasia | Lymphoid, Mild |
| Mammary Gland | Acinus | Ectasia | Mild |
| Mesentery | Fat | Necrosis | Marked |
| Note: NECROSIS | TGLs = 5-14 | | |
| Nose | Olfactory Epi | Degeneration | Mild |
| | Respirat Epith | Degeneration | Minimal |
| Pituitary Gland | Pars Distalis | Adenoma | |
| Note: ADENOMA | TGLs = 8-1.1 | | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:10

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 75

TRT#: 3

SEX: Male

DAY ON TEST: 646

DOSE: 5.0%

DISP: Moribund

HISTO: A85-0194

ORGAN AND ACCOUNTABLE SITE STATUS

| | | | |
|----------------------|-------------------|----------------------------------|------------------------|
| Prostate | | Inflammation | Chronic Active, Marked |
| Skin | | Keratoacanthoma | |
| Note: KERATOACANTHMA | TGLs = 3-13 | | |
| Spleen | | Hematopoietic Cell Proliferation | Moderate |
| | | Hyperplasia | Lymphoid, Mild |
| Note: HEMA CELL PROL | TGLs = 7-2 | | |
| Stomach | Glandular, Mucosa | Dilatation | Mild |
| Testes | Interstit Cell | Adenoma | |
| Note: ADENOMA | TGLs = 4-6 | | |

PRIMARY CAUSE OF DEATH

-

Animal Note: COD-UNKNOWN

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:10

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 81

TRT#: 3

SEX: Male

DAY ON TEST: 699

DOSE: 5.0%

DISP: Moribund

HISTO: A85-0200

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

OBSERVATIONS

| | | | |
|---------------------------------|--------------|-----------------------|--------------------|
| Adrenal Gland | Cortex | Degeneration | Fatty, Mild |
| | Medulla | Hyperplasia | Mild |
| Brain | | Astrocytoma Nos | |
| Note: COD-ASTROCYTOMA NOS | | | |
| Note: ASTROCYTO NOS TGLs = 6-1 | | | |
| Heart | | Cardiomyopathy | Chronic, Moderate |
| Kidney | | Nephropathy | Chronic, Moderate |
| | Renal Tubule | Pigmentation | Mild |
| Liver | | Basophilic Focus | |
| | Bile Duct | Hyperplasia | Mild |
| | Portal | Inflammation | Chronic, Mild |
| | | Leukemia Mononuclear | |
| Note: LEUKEMIA MONUC TGLs = 5-2 | | | |
| Lung | Alveolus | Infiltration Cellular | Histiocyte, Mild |
| | | Leukemia Mononuclear | |
| | Arteriole | Mineralization | Mild |
| Lymph Node | Mediastinal | Congestion | Moderate |
| | Mandibular | Hyperplasia | Lymphoid, Moderate |
| | Mandibular | Leukemia Mononuclear | |
| Mesentery | Fat | Necrosis | Moderate |
| Note: NECROSIS TGLs = 2-14 | | | |
| Nose | Mucosa | Inflammation | Acute, Mild |
| Pancreas | Acinus | Atrophy | Mild |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:10

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 81

TRT#: 3

SEX: Male

DAY ON TEST: 699

DOSE: 5.0%

DISP: Moribund

HISTO: A85-0200

ORGAN AND ACCOUNTABLE SITE STATUS

| | | | |
|---------------------------------|----------------|----------------------------------|----------------------|
| Pituitary Gland | Pars Distalis | Adenoma | |
| Preputial Gland | | Inflammation | Chronic, Mild |
| Prostate | | Inflammation | Chronic Active, Mild |
| Skin | Subcut Tiss | Lipoma | |
| Note: LIPOMA TGLs = 1-13 | | | |
| Spleen | | Hematopoietic Cell Proliferation | Minimal |
| | | Leukemia Mononuclear | |
| Note: LEUKEMIA MONUC TGLs = 4-2 | | | |
| Testes | Interstit Cell | Adenoma | |
| Note: ADENOMA TGLs = 3-6 | | | |
| PRIMARY CAUSE OF DEATH | - | | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:10

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 82

TRT#: 3

SEX: Male

DAY ON TEST: 494

DOSE: 5.0%

DISP: Dead

HISTO: A84031013

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 - Ileum | Intestine Small - Jejunum | Lymph Node - Mandibular |
| Mesentery | Nose | Parathyroid Gland | Pituitary Gland |
| Preputial Gland | Prostate | Salivary Glands | Seminal Vesicle |
| Skin | Stomach - Forestomach | Stomach - Glandular | Thymus |
| Thyroid Gland | Trachea | Urinary Bladder | |

MISSING

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

OBSERVATIONS

| | | | |
|---|----------------|----------------------------------|---------------------|
| Adrenal Gland | Cortex | Degeneration | Fatty, Mild |
| Heart | | Cardiomyopathy | Chronic, Moderate |
| Intestine Small | Duodenum | Hemangiosarcoma | Metastatic (Spleen) |
| Note: DUODENUM:METASTATIC FOCUS-BLOCK 5.2 | | | |
| Kidney | | Nephropathy | Chronic, Mild |
| Liver | | Basophilic Focus | |
| | Bile Duct | Hyperplasia | Mild |
| | | Leukemia Mononuclear | |
| Lung | | Leukemia Mononuclear | |
| Lymph Node | Mesenteric | Leukemia Mononuclear | |
| Spleen | | Hematopoietic Cell Proliferation | Mild |
| | | Leukemia Mononuclear | |
| | | Sarcoma | |
| Note: [SARCOMA] TGLs = 2-21 | | | |
| Testes | Interstit Cell | Adenoma | |
| | Interstit Cell | Hyperplasia | Minimal |
| Note: ADENOMA TGLs = 3-7 | | | |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:10

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 83

TRT#: 3

SEX: Male

DAY ON TEST: 647

DOSE: 5.0%

DISP: Moribund

HISTO: A85-0202

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 |
| Mammary Gland | Parathyroid Gland | Pituitary Gland | Salivary Glands |
| Seminal Vesicle | Stomach - Forestomach | Stomach - Glandular | Thymus |
| Thyroid Gland | Trachea | Urinary Bladder | |

OBSERVATIONS

| | | | |
|--------------------------|----------------|-----------------------------------|----------------------|
| Adrenal Gland | Cortex | Accessory Adrenal Cortical Nodule | |
| | Cortex | Hyperplasia | Mild |
| | Medulla | Pheochromocytoma Benign | |
| Heart | | Cardiomyopathy | Chronic, Minimal |
| Kidney | | Nephropathy | Chronic, Moderate |
| | Renal Tubule | Pigmentation | Minimal |
| Liver | | Angiectasis | Minimal |
| | | Basophilic Focus | |
| | Bile Duct | Hyperplasia | Mild |
| | Portal | Inflammation | Chronic, Mild |
| | | Leukemia Mononuclear | |
| Note: COD-LEUKEMIA MONUC | | | |
| Lung | | Hemorrhage | Mild |
| | | Leukemia Mononuclear | |
| Lymph Node | Mandibular | Hyperplasia | Lymphoid, Mild |
| | Mesenteric | Leukemia Mononuclear | |
| Nose | Olfactory Epi | Degeneration | Mild |
| | Nasolacrim Dct | Inflammation | Acute, Mild |
| Pancreas | Acinus | Atrophy | Mild |
| Preputial Gland | | Inflammation | Chronic, Mild |
| Prostate | | Inflammation | Chronic Active, Mild |
| Skin | Subcut Tiss | Fibroma | |
| Note: FIBROMA | TGLs = 1-13 | | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:10

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 83

TRT#: 3

SEX: Male

DAY ON TEST: 647

DOSE: 5.0%

DISP: Moribund

HISTO: A85-0202

ORGAN AND ACCOUNTABLE SITE STATUS

Spleen

Hematopoietic Cell Proliferation

Mild

Testes

Interstitial Cell

Adenoma

Note: ADENOMA TGLs = 2-6

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:10

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 84

TRT#: 3

SEX: Male

DAY ON TEST: 699

DOSE: 5.0%

DISP: Moribund

HISTO: A85-0203

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

| | | | |
|---------------------------------|----------------|----------------------|-------------------|
| Adrenal Gland | Cortex | Degeneration | Fatty, Mild |
| | Cortex | Leukemia Mononuclear | |
| | Medulla | Leukemia Mononuclear | |
| Heart | | Cardiomyopathy | Chronic, Mild |
| Kidney | Cortex | Cyst | |
| | | Nephropathy | Chronic, Moderate |
| | Renal Tubule | Pigmentation | Mild |
| Note: CYST TGLs = 5-22 | | | |
| Liver | | Angiectasis | Mild |
| | | Basophilic Focus | |
| | Bile Duct | Hyperplasia | Minimal |
| | | Leukemia Mononuclear | |
| Note: LEUKEMIA MONUC TGLs = 4-2 | | | |
| Lung | | Hemorrhage | Mild |
| | | Leukemia Mononuclear | |
| | Arteriole | Mineralization | Mild |
| Lymph Node | Mandibular | Hyperplasia | Lymphoid, Mild |
| Nose | Olfactory Epi | Degeneration | Mild |
| | Respirat Epith | Degeneration | Mild |
| | Lumen | Hemorrhage | Minimal |
| Pituitary Gland | Pars Distalis | Cyst | |
| | Pars Distalis | Hyperplasia | Mild |
| Preputial Gland | | Inflammation | Chronic, Mild |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014
Time Report Requested: 08:21:10
First Dose M/F: NA / NA
Lab: SRI

| | | | |
|----------------------|-------------------------------------|---|---|
| ANIMAL ID: 84 | TRT#: 3 DOSE: 5.0% | SEX: Male DISP: Moribund | DAY ON TEST: 699 HISTO: A85-0203 |
|----------------------|-------------------------------------|---|---|

ORGAN AND ACCOUNTABLE SITE STATUS

| | | | |
|--------------------------|-------------------|----------------------------------|---------------|
| Prostate | | Inflammation | Chronic, Mild |
| Skin | Subcut Tiss | Fibroma | |
| Note: FIBROMA | TGLs = 1-13 | | |
| Spleen | | Hematopoietic Cell Proliferation | Moderate |
| | | Leukemia Mononuclear | |
| Note: LEUKEMIA MONUC | TGLs = 3-2 | | |
| Note: COD-LEUKEMIA MONUC | | | |
| Stomach | Glandular, Mucosa | Dilatation | Mild |
| Testes | Interstit Cell | Adenoma | |
| Note: ADENOMA | TGLs = 2-6 | | |
| Thyroid Gland | C Cell | Hyperplasia | Minimal |
| PRIMARY CAUSE OF DEATH | - | | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:10

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 85

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 5.0%

DISP: Terminal Sacrifice

HISTO: A85-0204

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

| | | | |
|--------------------|----------------|-------------------------|--------------------------|
| Adrenal Gland | Cortex | Hyperplasia | Minimal |
| | Medulla | Pheochromocytoma Benign | |
| Heart | Atrium Lft | Cardiomyopathy | Chronic, Moderate |
| Note: THROMBUS | TGLs = 3-2+2.1 | | |
| Kidney | Renal Tubule | Nephropathy | Chronic, Moderate |
| | | Pigmentation | Mild |
| Liver | Bile Duct | Basophilic Focus | |
| | Portal | Hyperplasia | Mild |
| Lung | Alveolus | Inflammation | Chronic, Mild |
| | Peribronchiolr | Infiltration Cellular | Histiocyte, Mild |
| | | Inflammation | Chronic Active, Moderate |
| | Arteriole | Leukemia Mononuclear | |
| Note: INFLAMMATION | TGLs = 4-14 | Mineralization | Mild |
| Lymph Node | Mediastinal | Congestion | Mild |
| | Mandibular | Hyperplasia | Lymphoid, Mild |
| Nose | Olfactory Epi | Degeneration | Mild |
| Pancreas | Acinus | Adenoma | |
| | Acinus | Atrophy | Mild |
| Note: ADENOMA | TGLs = 2-13 | | |
| Pituitary Gland | Pars Distalis | Adenoma | |
| Preputial Gland | | Inflammation | Chronic Active, Mild |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:10

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 85

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 5.0%

DISP: Terminal Sacrifice

HISTO: A85-0204

ORGAN AND ACCOUNTABLE SITE STATUS

| | | | |
|------------------------|----------------|----------------------------------|---------|
| Spleen | | Hematopoietic Cell Proliferation | Mild |
| Testes | Interstit Cell | Adenoma | |
| | Tunic | Mesothelioma Benign | |
| Note: ADENOMA | TGLs = 1-6 | | |
| Thyroid Gland | C Cell | Hyperplasia | Minimal |
| PRIMARY CAUSE OF DEATH | - | | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:10

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 86

TRT#: 3

SEX: Male

DAY ON TEST: 731

DOSE: 5.0%

DISP: Terminal Sacrifice

HISTO: A85-0205

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|---------------------------|-------------------------|--------------------------|----------------------------|
| Bone | Bone Marrow | Brain | Epididymis |
| Esophagus | Intestine Large - Colon | Intestine Large - Rectum | Intestine Small - Duodenum |
| Intestine Small - Jejunum | Islets, Pancreatic | Mammary Gland | Pancreas |
| Parathyroid Gland | Pituitary Gland | Preputial Gland | Salivary Glands |
| Seminal Vesicle | Skin | Stomach - Forestomach | Thymus |
| Trachea | Urinary Bladder | | |

OBSERVATIONS

| | | | | |
|-----------------|---------------|-------------------------|------------------|---------------|
| Adrenal Gland | Cortex | Degeneration | Fatty, Mild | |
| | Cortex | Hyperplasia | Mild | |
| | Medulla | Hyperplasia | Mild | |
| | Medulla | Pheochromocytoma Benign | | |
| Heart | Artery | Cardiomyopathy | Chronic, Minimal | |
| | | Mineralization | Minimal | |
| Intestine Large | Cecum | Parasite Metazoan | | |
| Intestine Small | Ileum | Leukemia Mononuclear | | |
| Kidney | Renal Tubule | Nephropathy | Chronic, Mild | |
| | | Pigmentation | Mild | |
| | | Angiectasis | Mild | |
| | Bile Duct | | Basophilic Focus | |
| | | | Congestion | Mild |
| | | | Hyperplasia | Mild |
| | | Portal | Inflammation | Chronic, Mild |
| | | Leukemia Mononuclear | | |
| Lung | | Congestion | Moderate | |
| | | Leukemia Mononuclear | | |
| | Arteriole | Mineralization | Mild | |
| Lymph Node | Mandibular | Hyperplasia | Lymphoid, Mild | |
| | Mesenteric | Leukemia Mononuclear | | |
| Nose | Olfactory Epi | Degeneration | Mild | |

Note: CONGESTION TGLs = 2-13

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014
Time Report Requested: 08:21:10
First Dose M/F: NA / NA
Lab: SRI

| | | | |
|----------------------|-------------------------------------|---|---|
| ANIMAL ID: 86 | TRT#: 3 DOSE: 5.0% | SEX: Male DISP: Terminal Sacrifice | DAY ON TEST: 731 HISTO: A85-0205 |
|----------------------|-------------------------------------|---|---|

ORGAN AND ACCOUNTABLE SITE STATUS

| | | | |
|---------------|-------------------|--|--------------------------|
| Prostate | | Inflammation | Chronic Active, Moderate |
| Spleen | | Hematopoietic Cell Proliferation Leukemia Mononuclear | Mild |
| Stomach | Glandular, Mucosa | Dilatation | Mild |
| Testes | Interstitial Cell | Adenoma | |
| Note: ADENOMA | TGLs = 1-6 | | |
| Thyroid Gland | | Hemorrhage | Mild |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:10

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 87

TRT#: 3

SEX: Male

DAY ON TEST: 699

DOSE: 5.0%

DISP: Moribund

HISTO: A85-0206

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

| | | | |
|----------------------|--------------------|----------------------------------|--------------------------|
| Adrenal Gland | Bilateral, Medulla | Pheochromocytoma Benign | |
| Heart | | Cardiomyopathy | Chronic, Mild |
| Kidney | | Nephropathy | Chronic, Moderate |
| | Renal Tubule | Pigmentation | Mild |
| Liver | | Basophilic Focus | |
| | Bile Duct | Hyperplasia | Mild |
| | Portal | Inflammation | Chronic, Mild |
| Lung | Alveolus | Infiltration Cellular | Histiocyte, Mild |
| | Arteriole | Mineralization | Mild |
| Lymph Node | Mandibular | Hyperplasia | Lymphoid, Mild |
| Nose | Olfactory Epi | Degeneration | Mild |
| | Mucosa | Inflammation | Chronic, Mild |
| Preputial Gland | | Inflammation | Chronic Active, Moderate |
| Prostate | | Inflammation | Chronic Active, Mild |
| Skin | | Basal Cell Carcinoma | |
| Note: BASAL CEL CARC | TGLs = 3-13 | | |
| Spleen | | Hematopoietic Cell Proliferation | Moderate |
| | | Hyperplasia | Lymphoid, Mild |
| Note: HEMA CELL PROL | TGLs = 2-2 | | |
| Testes | Interstitial Cell | Adenoma | |
| | Interstitial Cell | Hyperplasia | Minimal |
| Note: ADENOMA | TGLs = 1-6 | | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:10

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 87

TRT#: 3

SEX: Male

DAY ON TEST: 699

DOSE: 5.0%

DISP: Moribund

HISTO: A85-0206

ORGAN AND ACCOUNTABLE SITE STATUS

Thyroid Gland

C Cell

Hyperplasia

Mild

PRIMARY CAUSE OF DEATH

-

Animal Note: COD-UNKNOWN

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:10

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 88

TRT#: 3

SEX: Male

DAY ON TEST: 731

DOSE: 5.0%

DISP: Terminal Sacrifice

HISTO: A85-0207

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

| | | | |
|-------------------------------------|-------------------|----------------------------------|------------------------|
| Adrenal Gland | Cortex | Hyperplasia | Mild |
| | Cortex | Leukemia Mononuclear | |
| | Medulla | Pheochromocytoma Benign | |
| Heart | | Cardiomyopathy | Chronic, Mild |
| Islets, Pancreatic | | Adenoma | |
| Kidney | | Nephropathy | Chronic, Marked |
| | Renal Tubule | Pigmentation | Minimal |
| Liver | | Basophilic Focus | |
| | Bile Duct | Hyperplasia | Mild |
| | Portal | Inflammation | Chronic, Mild |
| Lung | Alveolus | Infiltration Cellular | Histiocyte, Mild |
| | Interstitium | Inflammation | Chronic, Mild |
| | | Leukemia Mononuclear | |
| Lymph Node | Mandibular | Hyperplasia | Lymphoid, Mild |
| Nose | Olfactory Epi | Degeneration | Mild |
| | Nasolacrim Dct | Inflammation | Acute, Mild |
| Pancreas | Acinus | Atrophy | Mild |
| Preputial Gland | | Inflammation | Chronic, Mild |
| Prostate | | Inflammation | Chronic Active, Marked |
| Spleen | | Hematopoietic Cell Proliferation | Mild |
| | | Leukemia Mononuclear | |
| Note: [LEUKEMIA MONUC] TGLs = 2-2 | | | |
| Stomach | Glandular, Mucosa | Dilatation | Mild |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:10

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 88

TRT#: 3

SEX: Male

DAY ON TEST: 731

DOSE: 5.0%

DISP: Terminal Sacrifice

HISTO: A85-0207

ORGAN AND ACCOUNTABLE SITE STATUS

Testes

Interstit Cell

Adenoma

Note: ADENOMA

TGLs = 1-6

Thymus

Hyperplasia

Lymphoid, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:10

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 89

TRT#: 3

SEX: Male

DAY ON TEST: 699

DOSE: 5.0%

DISP: Moribund

HISTO: A85-0208

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

| | | | |
|--|---|--|-------------------------------|
| Adrenal Gland | Cortex Bilateral, Medulla | Degeneration Pheochromocytoma Benign | Fatty, Mild |
| Note: [PHEOCHROM BGN] TGLs = 2-8+8.1 | | | |
| Bone Marrow | | Leukemia Mononuclear | |
| Heart | Atrium Lft | Cardiomyopathy Thrombosis | Chronic, Mild |
| Note: THROMBUS TGLs = 6-2 | | | |
| Intestine Large | Cecum | Parasite Metazoan | |
| Kidney | Renal Tubule | Nephropathy Pigmentation | Chronic, Moderate Moderate |
| Liver | Bile Duct Portal | Hyperplasia Inflammation | Mild Chronic, Mild |
| Lung | Arteriole | Leukemia Mononuclear Leukemia Mononuclear Mineralization | Mild |
| Note: MINERALIZATION TGLs = 8-3 | | | |
| Lymph Node | Mandibular Mediastinal Mesenteric | Hyperplasia Leukemia Mononuclear Leukemia Mononuclear | Lymphoid, Mild |
| Note: LEUKEMIA MONUC TGLs = 7-14 | | | |
| Note: COD-LEUKEMIA MONUC | | | |
| Mammary Gland | Acinus | Ectasia | Mild |
| Nose | Olfactory Epi | Degeneration | Minimal |
| Pancreas | Acinus | Atrophy | Minimal |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014
Time Report Requested: 08:21:10
First Dose M/F: NA / NA
Lab: SRI

| | | | |
|----------------------|-------------------------------------|---|---|
| ANIMAL ID: 89 | TRT#: 3 DOSE: 5.0% | SEX: Male DISP: Moribund | DAY ON TEST: 699 HISTO: A85-0208 |
|----------------------|-------------------------------------|---|---|

ORGAN AND ACCOUNTABLE SITE STATUS

| | | | |
|---------------------------------|----------------|--|----------------------|
| Pituitary Gland | Pars Distalis | Hyperplasia | Mild |
| Preputial Gland | | Carcinoma Inflammation | Chronic, Mild |
| Note: CARCINOMA TGLs = 9-13 | | | |
| Prostate | | Inflammation | Chronic Active, Mild |
| Skin | | | |
| Note: TGL # 1-NST | | | |
| Spleen | | Hematopoietic Cell Proliferation Leukemia Mononuclear | Minimal |
| Note: LEUKEMIA MONUC TGLs = 3-2 | | | |
| Testes | Interstit Cell | Adenoma | |
| Note: ADENOMA TGLs = 4-6 | | | |
| Thyroid Gland | C Cell | Hyperplasia | Mild |

PRIMARY CAUSE OF DEATH

-

Animal Note: TGL # 5 (CAVITIES)-NST

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:10

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 90

TRT#: 3

SEX: Male

DAY ON TEST: 400

DOSE: 5.0%

DISP: Dead

HISTO: A83030011

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

AUTO PRECLUDES DIAG.

| | |
|--------------------|----------|
| Islets, Pancreatic | Pancreas |
|--------------------|----------|

OBSERVATIONS

| | | | |
|-------------------------------------|---------------|----------------------------|---------------|
| Adrenal Gland | Cortex | Hyperplasia | Mild |
| | Medulla | Pheochromocytoma Malignant | |
| Note: [PHEOCHROM MAL] TGLs = 1-21 | | | |
| Intestine Large | Cecum | Parasite Metazoan | |
| Kidney | | Nephropathy | Chronic, Mild |
| Note: TGL # 2-NCL | | | |
| Liver | | Hepatocellular Adenoma | |
| | Bile Duct | Hyperplasia | Mild |
| Lung | Arteriole | Mineralization | Mild |
| Note: TGL # 3-NCL | | | |
| Nose | Olfactory Epi | Degeneration | Minimal |
| Spleen | | Pigmentation | Mild |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:10

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 91

TRT#: 3

SEX: Male

DAY ON TEST: 731

DOSE: 5.0%

DISP: Terminal Sacrifice

HISTO: A85-0210

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 - Jejunum | Islets, Pancreatic | Lymph Node - Mesenteric |
| Pancreas | Parathyroid Gland | Pituitary Gland | Salivary Glands |
| Seminal Vesicle | Skin | Stomach - Forestomach | Thymus |
| Trachea | Urinary Bladder | | |

MISSING

Mammary Gland

OBSERVATIONS

| | | | |
|-----------------|---------------|-------------------------|-------------------|
| Adrenal Gland | Cortex | Degeneration | Fatty, Minimal |
| | Medulla | Hyperplasia | Mild |
| | Medulla | Pheochromocytoma Benign | |
| Eye | Retina | Cataract | Marked |
| | | Degeneration | Marked |
| | | Hemorrhage | Moderate |
| Note: DEGEN | TGLs = 1-13 | | |
| Note: CATARACT | TGLs = 1-13 | | |
| Heart | | Cardiomyopathy | Chronic, Moderate |
| Intestine Small | Ileum | Leukemia Mononuclear | |
| Kidney | Renal Tubule | Nephropathy | Chronic, Moderate |
| | | Pigmentation | Mild |
| Liver | | Angiectasis | Mild |
| | | Basophilic Focus | |
| | Bile Duct | Hyperplasia | Mild |
| | Portal | Inflammation | Chronic, Mild |
| | | Leukemia Mononuclear | |
| Lung | | Leukemia Mononuclear | |
| | Arteriole | Mineralization | Minimal |
| Lymph Node | Mandibular | Hyperplasia | Lymphoid, Mild |
| Nose | Olfactory Epi | Degeneration | Mild |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:10

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 91

TRT#: 3

SEX: Male

DAY ON TEST: 731

DOSE: 5.0%

DISP: Terminal Sacrifice

HISTO: A85-0210

ORGAN AND ACCOUNTABLE SITE STATUS

Preputial Gland

Inflammation

Chronic, Mild

Prostate

Inflammation

Chronic, Minimal

Spleen

Hematopoietic Cell Proliferation

Mild

Leukemia Mononuclear

Note: LEUKEMIA MONUC TGLs = 3-2

Stomach

Glandular, Mucosa

Dilatation

Mild

Testes

Interstit Cell

Adenoma

Note: ADENOMA TGLs = 2-6

Thyroid Gland

C Cell

Adenoma

Tooth

Peridont Tiss

Hemorrhage

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:10

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 92

TRT#: 3

SEX: Male

DAY ON TEST: 724

DOSE: 5.0%

DISP: Moribund

HISTO: A85-0211

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

OBSERVATIONS

| | | | |
|-----------------|----------------|----------------------------------|-------------------|
| Adrenal Gland | Medulla | Pheochromocytoma Benign | |
| Heart | | Cardiomyopathy | Chronic, Moderate |
| | | Leukemia Mononuclear | |
| Kidney | | Nephropathy | Chronic, Moderate |
| | Renal Tubule | Pigmentation | Mild |
| | | Basophilic Focus | |
| Liver | | Hyperplasia | Moderate |
| | Bile Duct | Inflammation | Chronic, Mild |
| | Portal | Leukemia Mononuclear | |
| | | Hemorrhage | Mild |
| Lung | | Leukemia Mononuclear | |
| | Arteriole | Mineralization | Mild |
| Lymph Node | Mandibular | Hyperplasia | Lymphoid, Mild |
| | Mediastinal | Infiltration Cellular | Plasma Cell, Mild |
| | Mesenteric | Leukemia Mononuclear | |
| Nose | Olfactory Epi | Degeneration | Mild |
| | Mucosa | Inflammation | Acute, Moderate |
| | Respirat Epith | Metaplasia | Squamous, Marked |
| Pituitary Gland | Pars Distalis | Adenoma | |
| | Pars Distalis | Hyperplasia | Mild |
| Preputial Gland | | Inflammation | Chronic, Mild |
| Spleen | | Hematopoietic Cell Proliferation | Minimal |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014
Time Report Requested: 08:21:10
First Dose M/F: NA / NA
Lab: SRI

| | | | |
|----------------------|-------------------------------------|---|---|
| ANIMAL ID: 92 | TRT#: 3 DOSE: 5.0% | SEX: Male DISP: Moribund | DAY ON TEST: 724 HISTO: A85-0211 |
|----------------------|-------------------------------------|---|---|

| ORGAN AND ACCOUNTABLE SITE STATUS | | | |
|---|----------------|--------------------------------------|-----------------|
| | | Leukemia Mononuclear Pigmentation | Mild |
| Note: LEUKEMIA MONUC TGLs = 2-2 Note: COD-LEUKEMIA MONUC | | | |
| Testes | Interstit Cell | Adenoma | |
| Note: ADENOMA TGLs = 1-6 | | | |
| Trachea | | Inflammation | Acute, Moderate |

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

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:10

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 93

TRT#: 3

SEX: Male

DAY ON TEST: 731

DOSE: 5.0%

DISP: Terminal Sacrifice

HISTO: A85-0212

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|-------------------------|---------------------------|--------------------------|----------------------------|
| Bone | Bone Marrow | Brain | Epididymis |
| Esophagus | Intestine Large - Colon | Intestine Large - Rectum | Intestine Small - Duodenum |
| Intestine Small - Ileum | Intestine Small - Jejunum | Lymph Node - Mesenteric | Salivary Glands |
| Seminal Vesicle | Skin | Stomach - Forestomach | Stomach - Glandular |
| Thymus | Trachea | | |

MISSING

Intestine Large - Cecum

OBSERVATIONS

| | | | |
|--------------------|---------------|----------------------------------|--------------------------|
| Adrenal Gland | Cortex | Degeneration | Fatty, Mild |
| | Medulla | Pheochromocytoma Benign | |
| Heart | | Cardiomyopathy | Chronic, Mild |
| Islets, Pancreatic | | Adenoma | |
| Kidney | | Nephropathy | Chronic, Marked |
| | Renal Tubule | Pigmentation | Minimal |
| Liver | | Basophilic Focus | |
| | Bile Duct | Hyperplasia | Mild |
| | Portal | Inflammation | Chronic, Mild |
| Lung | Arteriole | Mineralization | Mild |
| Lymph Node | Mandibular | Hyperplasia | Lymphoid, Mild |
| Mammary Gland | Acinus | Ectasia | Mild |
| Nose | Olfactory Epi | Degeneration | Mild |
| | Lumen | Hemorrhage | Mild |
| Pancreas | Acinus | Atrophy | Mild |
| Parathyroid Gland | | Hypertrophy | Mild |
| Pituitary Gland | Pars Distalis | Adenoma | |
| | Pars Distalis | Hyperplasia | Mild |
| Preputial Gland | | Inflammation | Chronic Active, Moderate |
| Prostate | | Inflammation | Chronic, Minimal |
| Spleen | | Hematopoietic Cell Proliferation | Minimal |
| | | Pigmentation | Mild |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014
Time Report Requested: 08:21:10
First Dose M/F: NA / NA
Lab: SRI

| | | | |
|----------------------|-------------------------------------|---|---|
| ANIMAL ID: 93 | TRT#: 3 DOSE: 5.0% | SEX: Male DISP: Terminal Sacrifice | DAY ON TEST: 731 HISTO: A85-0212 |
|----------------------|-------------------------------------|---|---|

ORGAN AND ACCOUNTABLE SITE STATUS

| | | | |
|---|----------------------|--|--------------------------|
| Testes Note: ADENOMA TGLs = 1-6 | Interstitial Cell | Adenoma | |
| Thyroid Gland Note: ADENOCARC TGLs = 2-3.1 Note: ECTASIA TGLs = 2-3 | Follicle Follicle | Adenocarcinoma Ectasia Infiltration Cellular | Mild Lymphocyte, Mild |
| Urethra | | Calculus Micro Observation Only | |
| Urinary Bladder | | Calculus Micro Observation Only | |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:10

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 94

TRT#: 3

SEX: Male

DAY ON TEST: 689

DOSE: 5.0%

DISP: Moribund

HISTO: A85-0213

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 | Lymph Node - Mesenteric |
| Parathyroid Gland | Salivary Glands | Seminal Vesicle | Skin |
| Stomach - Forestomach | Thyroid Gland | Trachea | Urinary Bladder |

OBSERVATIONS

| | | | |
|-------------------|----------------|----------------|------------------------|
| Adrenal Gland | Cortex | Degeneration | Fatty, Minimal |
| | Medulla | Hyperplasia | Mild |
| Brain | | Compression | Mild |
| Note: COMPRESSION | TGLs = 4-1 | | |
| Heart | | Cardiomyopathy | Chronic, Mild |
| | | Mineralization | Mild |
| Kidney | | Nephropathy | Chronic, Marked |
| | Renal Tubule | Pigmentation | Mild |
| Note: NEPHROPATHY | TGLs = 2-5 | | |
| Liver | Bile Duct | Hyperplasia | Mild |
| | Portal | Inflammation | Chronic, Minimal |
| Lung | Alveolus | Mineralization | Mild |
| Lymph Node | Mandibular | Hyperplasia | Lymphoid, Moderate |
| Mammary Gland | Acinus | Ectasia | Mild |
| Mesentery | Fat | Necrosis | Marked |
| Note: NECROSIS | TGLs = 1-13 | | |
| Nose | Respirat Epith | Degeneration | Minimal |
| | Mucosa | Inflammation | Acute, Mild |
| Pancreas | Acinus | Atrophy | Moderate |
| Pituitary Gland | Pars Distalis | Adenoma | |
| Note: ADENOMA | TGLs = 3-1 | | |
| Note: COD-ADENOMA | | | |
| Preputial Gland | | Inflammation | Chronic, Mild |
| Prostate | | Inflammation | Chronic Active, Marked |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:10

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 94

TRT#: 3

SEX: Male

DAY ON TEST: 689

DOSE: 5.0%

DISP: Moribund

HISTO: A85-0213

ORGAN AND ACCOUNTABLE SITE STATUS

| | | | |
|---------------|-------------------|----------------------------------|----------|
| Spleen | | Hematopoietic Cell Proliferation | Moderate |
| | | Pigmentation | Moderate |
| Stomach | Glandular, Mucosa | Dilatation | Mild |
| Testes | Interstit Cell | Adenoma | |
| Note: ADENOMA | TGLs = 5-6 | | |
| Thymus | | Cyst | |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:10

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 95

TRT#: 3

SEX: Male

DAY ON TEST: 644

DOSE: 5.0%

DISP: Moribund

HISTO: A85-0214

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Preputial Gland

OBSERVATIONS

| | | | |
|-------------------|---------------|-------------------------|---------------------|
| Adrenal Gland | Cortex | Leukemia Mononuclear | |
| | Medulla | Leukemia Mononuclear | |
| | Medulla | Pheochromocytoma Benign | |
| Bone Marrow | | Leukemia Mononuclear | |
| Eye | Retina | Cataract | Mild |
| | | Degeneration | Marked |
| | | Hemorrhage | Marked |
| Note: CATARACT | TGLs = 1-18 | | |
| Note: HEMORRHAGE | TGLs = 2-18 | | |
| Note: DEGEN | TGLs = 1,2-18 | | |
| Heart | | Cardiomyopathy | Chronic, Moderate |
| | | Leukemia Mononuclear | |
| Kidney | | Nephropathy | Chronic, Moderate |
| | Renal Tubule | Pigmentation | Mild |
| Liver | | Angiectasis | Mild |
| | Bile Duct | Hyperplasia | Marked |
| | Portal | Inflammation | Chronic, Mild |
| | | Leukemia Mononuclear | |
| Note: HYPERPLASIA | TGLs = 9-13 | | |
| Lung | Alveolus | Infiltration Cellular | Histiocyte, Minimal |
| | | Leukemia Mononuclear | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:10

First Dose M/F: NA / NA

Lab: SRI

| | | | |
|----------------------|-------------------------------------|---|---|
| ANIMAL ID: 95 | TRT#: 3 DOSE: 5.0% | SEX: Male DISP: Moribund | DAY ON TEST: 644 HISTO: A85-0214 |
|----------------------|-------------------------------------|---|---|

ORGAN AND ACCOUNTABLE SITE STATUS

| | | | |
|--|--|--|---------------|
| Note: LEUKEMIA MONUC TGLs = 10-3 Lymph Node | Arteriole | Mineralization | Mild |
| Note: LEUKEMIA MONUC TGLs = 8-17 Note: COD-LEUKEMIA MONUC Nose | Mandibular Mesenteric Pancreatic | Leukemia Mononuclear Leukemia Mononuclear Leukemia Mononuclear | |
| Pituitary Gland | Olfactory Epi | Degeneration | Mild |
| Prostate | Respirat Epith | Degeneration | Minimal |
| Note: HEMORRHAGE TGLs = 4-14 Spleen | Mucosa | Inflammation | Acute, Marked |
| Note: LEUKEMIA MONUC TGLs = 5-2,15,16 Note: FIBROSIS TGLs = 6-15,16 Testes | Pars Distalis | Hyperplasia | Mild |
| Note: ADENOMA TGLs = 3-6 Thymus | | Hemorrhage | Mild |
| Thyroid Gland | | Fibrosis Leukemia Mononuclear | Moderate |
| | Interstit Cell | Adenoma | |
| | | Leukemia Mononuclear | |
| | C Cell | Hyperplasia | Mild |

PRIMARY CAUSE OF DEATH -

Animal Note: TGL # 7 (CAVITIES)-NCL

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:10

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 96

TRT#: 3

SEX: Male

DAY ON TEST: 731

DOSE: 5.0%

DISP: Terminal Sacrifice

HISTO: A85-0215

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

| | | | |
|----------------------|---------------|---------------------------|--------------------------|
| Adrenal Gland | Cortex | Hyperplasia | Mild |
| | Medulla | Hyperplasia | Mild |
| Heart | | Cardiomyopathy | Chronic, Moderate |
| Kidney | | Nephropathy | Chronic, Moderate |
| | Renal Tubule | Pigmentation | Mild |
| Liver | | Basophilic Focus | |
| | Bile Duct | Hyperplasia | Mild |
| | Portal | Inflammation | Chronic, Mild |
| Lung | Alveolus | Infiltration Cellular | Histiocyte, Mild |
| | Interstitium | Inflammation | Chronic Active, Moderate |
| Note: INFLAMMATION | TGLs = 4-3 | | |
| Lymph Node | Mesenteric | Edema | Moderate |
| Nose | Olfactory Epi | Degeneration | Minimal |
| Pancreas | Acinus | Atrophy | Minimal |
| Pituitary Gland | Pars Distalis | Adenoma | |
| | Pars Distalis | Hyperplasia | Mild |
| Note: ADENOMA | TGLs = 5-1 | | |
| Preputial Gland | | Inflammation | Chronic, Mild |
| Prostate | | Inflammation | Chronic Active, Mild |
| Skin | | Cyst Epithelial Inclusion | |
| | | Keratoacanthoma | |
| Note: KERATOACANTHMA | TGLs = 1-13 | | |
| Note: CYST EPITH INC | TGLs = 2-14 | | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:10

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 96

TRT#: 3

SEX: Male

DAY ON TEST: 731

DOSE: 5.0%

DISP: Terminal Sacrifice

HISTO: A85-0215

ORGAN AND ACCOUNTABLE SITE STATUS

Spleen

Hematopoietic Cell Proliferation

Mild

Pigmentation

Mild

Testes

Interstitial Cell

Adenoma

Note: ADENOMA

TGLs = 3-6

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:10

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 97

TRT#: 3

SEX: Male

DAY ON TEST: 503

DOSE: 5.0%

DISP: Dead

HISTO: A84031014

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 |
| Lymph Node - Mesenteric | Nose | Pancreas | Parathyroid Gland |
| Salivary Glands | Seminal Vesicle | Skin | Stomach - Forestomach |
| Thymus | Thyroid Gland | Trachea | Urinary Bladder |

OBSERVATIONS

| | | | |
|----------------------------------|---------------|----------------------------------|--------------------------|
| Adrenal Gland | Cortex | Degeneration | Fatty, Mild |
| | Cortex | Necrosis | Marked |
| Note: NECROSIS TGLs = 3-6.1 | | | |
| Bone Marrow | | Leukemia Mononuclear | |
| Heart | | Cardiomyopathy | Chronic, Mild |
| Kidney | | Nephropathy | Chronic, Mild |
| Liver | | Developmental Malformation | |
| | Bile Duct | Hyperplasia | Mild |
| | Portal | Inflammation | Chronic, Mild |
| | | Leukemia Mononuclear | |
| Note: LEUKEMIA MONUC TGLs = 5-5 | | | |
| Note: DEVELOP MALFOR TGLs = 7-23 | | | |
| Note: TGL 6-NCL. | | | |
| Lung | | Leukemia Mononuclear | |
| Lymph Node | Mandibular | Hyperplasia | Lymphoid, Mild |
| Mammary Gland | Duct | Ectasia | Mild |
| Pituitary Gland | Pars Distalis | Adenoma | |
| Preputial Gland | Duct | Ectasia | Moderate |
| | | Inflammation | Chronic Active, Moderate |
| Note: ECTASIA TGLs = 1-21 | | | |
| Note: INFLAMMATION TGLs = 1-21 | | | |
| Prostate | | Inflammation | Acute, Marked |
| Spleen | | Hematopoietic Cell Proliferation | Marked |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:10

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 97

TRT#: 3

SEX: Male

DAY ON TEST: 503

DOSE: 5.0%

DISP: Dead

HISTO: A84031014

ORGAN AND ACCOUNTABLE SITE STATUS

Leukemia Mononuclear

Note: LEUKEMIA MONUC TGLs = 2-2

Note: CAUSE OF DEATH- LEUKEMIA MONOC.

| | | | |
|---------|-------------------|----------------|----------|
| Stomach | Glandular | Mineralization | Mild |
| | Glandular, Mucosa | Ulcer | Moderate |
| Testes | Interstit Cell | Hyperplasia | Minimal |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:10

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 98

TRT#: 3

SEX: Male

DAY ON TEST: 461

DOSE: 5.0%

DISP: Dead

HISTO: A84031015

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Lymph Node - Mandibular

OBSERVATIONS

| | | | |
|--|------------------|----------------|----------------------|
| Blood Vessel | Artery | Inflammation | Chronic, Marked |
| | Artery | Thrombosis | |
| Note: COD-INFLAMMATION + THROMBUS | | | |
| Note: THROMBUS TGLs = 2,5,9-21,22,24 | | | |
| Note: INFLAMMATION TGLs = 2,5,9-21,22,24 | | | |
| Heart | | Cardiomyopathy | Chronic, Mild |
| Intestine Large | Arteriole, Colon | Inflammation | Chronic, Moderate |
| Kidney | | Infarct | Marked |
| | | Nephropathy | Chronic, Mild |
| Note: INFARCT TGLs = 4-6 | | | |
| Liver | Bile Duct | Hyperplasia | Mild |
| | Arteriole | Inflammation | Chronic, Moderate |
| | Portal | Inflammation | Chronic, Minimal |
| Lymph Node | Mesenteric | Hyperplasia | Lymphoid, Marked |
| Note: HYPERPLASIA TGLs = 7-6.1 | | | |
| Mesentery | Artery | Inflammation | Chronic, Marked |
| Note: INFLAMMATION TGLs = 8-23 | | | |
| Nose | Lumen | Hemorrhage | Minimal |
| Pancreas | Acinus | Atrophy | Mild |
| Preputial Gland | | Inflammation | Chronic Active, Mild |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:10

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 98

TRT#: 3

SEX: Male

DAY ON TEST: 461

DOSE: 5.0%

DISP: Dead

HISTO: A84031015

ORGAN AND ACCOUNTABLE SITE STATUS

Skin

Note: TGL # 1-NCL

Spleen

Testes

Interstitial Cell

Hematopoietic Cell Proliferation

Hyperplasia

Mineralization

Marked

Minimal

Mild

Urin Bladder

Note: TGL # 3-NCL

PRIMARY CAUSE OF DEATH

-

Animal Note: TGL # 6 - NST

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:10

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 99

TRT#: 3

SEX: Male

DAY ON TEST: 710

DOSE: 5.0%

DISP: Moribund

HISTO: A85-0218

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 | Parathyroid Gland | Salivary Glands | Seminal Vesicle |
| Trachea | Urinary Bladder | | |

OBSERVATIONS

| | | | |
|------------------------------------|---------------|-------------------------|------------------|
| Adrenal Gland | Cortex | Degeneration | Fatty, Minimal |
| | Cortex | Leukemia Mononuclear | |
| | Medulla | Leukemia Mononuclear | |
| | Medulla | Pheochromocytoma Benign | |
| Note: [PHEOCHROM BGN] TGLs = 4-8 | | | |
| Bone Marrow | | Leukemia Mononuclear | |
| Brain | | Leukemia Mononuclear | |
| Note: COD-LEUKEMIA MONUC | | | |
| Eye | | Inflammation | Chronic, Marked |
| Heart | | Cardiomyopathy | Chronic, Mild |
| Islets, Pancreatic | | Hyperplasia | Mild |
| Kidney | | Leukemia Mononuclear | |
| | | Nephropathy | Chronic, Marked |
| | Renal Tubule | Pigmentation | Mild |
| Liver | Bile Duct | Hyperplasia | Mild |
| | Portal | Inflammation | Chronic, Mild |
| | | Leukemia Mononuclear | |
| Lung | | Hemorrhage | Mild |
| | Alveolus | Infiltration Cellular | Histiocyte, Mild |
| | | Leukemia Mononuclear | |
| | Arteriole | Mineralization | Mild |
| Lymph Node | Mandibular | Leukemia Mononuclear | |
| | Mesenteric | Leukemia Mononuclear | |
| Mammary Gland | Acinus | Ectasia | Mild |
| Nose | Olfactory Epi | Degeneration | Mild |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:10

First Dose M/F: NA / NA

Lab: SRI

| | | | |
|----------------------|-------------------------------------|---|---|
| ANIMAL ID: 99 | TRT#: 3 DOSE: 5.0% | SEX: Male DISP: Moribund | DAY ON TEST: 710 HISTO: A85-0218 |
|----------------------|-------------------------------------|---|---|

| ORGAN AND ACCOUNTABLE SITE STATUS | | | |
|-----------------------------------|-------------------|--------------------------------------|------------------------|
| Pancreas | Acinus | Atrophy | Moderate |
| Pituitary Gland | Pars Distalis | Adenoma | |
| Note: ADENOMA | TGLs = 5-1 | | |
| Preputial Gland | | Inflammation | Chronic, Moderate |
| Note: INFLAMMATION | TGLs = 6-8 | | |
| Prostate | | Inflammation | Chronic Active, Marked |
| Skin | | Alopecia | |
| | | Inflammation | Chronic Active, Mild |
| Note: INFLAMMATION | TGLs = 2-13 | | |
| Note: ALOPECIA | TGLs = 1-13 | | |
| Spleen | | Leukemia Mononuclear Pigmentation | Mild |
| Note: LEUKEMIA MONUC | TGLs = 3-2 | | |
| Stomach | Glandular, Mucosa | Dilatation | Mild |
| | Forestomach | Inflammation | Acute, Mild |
| | Forestomach | Leukemia Mononuclear | |
| Testes | Interstit Cell | Adenoma | |
| Thymus | | Leukemia Mononuclear | |
| Thyroid Gland | C Cell | Hyperplasia | Mild |

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

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:10

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 100

TRT#: 3

SEX: Male

DAY ON TEST: 574

DOSE: 5.0%

DISP: Moribund

HISTO: A85-0219

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

| | | | |
|----------------------|----------------|----------------------|--------------------|
| Adrenal Gland | Cortex | Degeneration | Fatty, Mild |
| | Cortex | Leukemia Mononuclear | |
| | Medulla | Leukemia Mononuclear | |
| Bone Marrow | | Leukemia Mononuclear | |
| Eye | | Cataract | Marked |
| | Retina | Degeneration | Marked |
| | Sclera | Mineralization | Mild |
| Note: DEGEN | TGLs = 1-14 | | |
| Note: CATARACT | TGLs = 1-14 | | |
| Heart | | Leukemia Mononuclear | |
| Kidney | | Nephropathy | Chronic, Minimal |
| | Renal Tubule | Pigmentation | Mild |
| Liver | Bile Duct | Hyperplasia | Moderate |
| | Portal | Inflammation | Chronic, Mild |
| | | Leukemia Mononuclear | |
| Note: LEUKEMIA MONUC | TGLs = 7-2+2.1 | | |
| Lung | | Hemorrhage | Moderate |
| | | Leukemia Mononuclear | |
| | Arteriole | Mineralization | Mild |
| Lymph Node | Mandibular | Hyperplasia | Lymphoid, Moderate |
| | Mandibular | Leukemia Mononuclear | |
| | Mesenteric | Leukemia Mononuclear | |
| | Pancreatic | Leukemia Mononuclear | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014
Time Report Requested: 08:21:10
First Dose M/F: NA / NA
Lab: SRI

| | | | |
|-----------------------|-------------------------------------|---|---|
| ANIMAL ID: 100 | TRT#: 3 DOSE: 5.0% | SEX: Male DISP: Moribund | DAY ON TEST: 574 HISTO: A85-0219 |
|-----------------------|-------------------------------------|---|---|

ORGAN AND ACCOUNTABLE SITE STATUS

Note: COD-LEUKEMIA MONUC

Note: LEUKEMIA MONUC TGLs = 5-15

| | | | |
|----------------------------------|---------------------------------|------------------------------|-----------------------|
| Nose | Olfactory Epi Nasolacrim Dct | Degeneration Inflammation | Mild Acute, Marked |
| Pituitary Gland | Pars Distalis | Hyperplasia | Mild |
| Prostate | | Inflammation | Chronic Active, Mild |
| Spleen | | Leukemia Mononuclear | |
| Note: LEUKEMIA MONUC TGLs = 4-13 | | | |
| Testes | Interstit Cell | Adenoma | |
| Note: ADENOMA TGLs = 3-6 | | | |
| Thymus | | Leukemia Mononuclear | |

PRIMARY CAUSE OF DEATH -

Animal Note: TGL # 2 (CARCASS)-NCL

Animal Note: TGL # 6 (CAVITIES)-NCL

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:10

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 106

TRT#: 3

DOSE: 5.0%

SEX: Male

DISP: Dead

DAY ON TEST: 625

HISTO: A85-0225

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 | Lymph Node - Mesenteric | Pancreas | Parathyroid Gland |
| Salivary Glands | Seminal Vesicle | Skin | Stomach - Forestomach |
| Stomach - Glandular | Thyroid Gland | Trachea | Urinary Bladder |

OBSERVATIONS

| | | | |
|-------------------|----------------|----------------|--------------------------|
| Brain | | Compression | |
| Note: COMPRESSION | TGLs = 3-1 | | |
| Heart | | Cardiomyopathy | Chronic, Mild |
| Kidney | | Nephropathy | Chronic, Mild |
| | Renal Tubule | Pigmentation | Minimal |
| Liver | Bile Duct | Hyperplasia | Mild |
| | Portal | Inflammation | Chronic, Mild |
| Lung | | Congestion | Moderate |
| | Alveolus | Mineralization | Minimal |
| Lymph Node | Mandibular | Hyperplasia | Lymphoid, Mild |
| Mammary Gland | Acinus | Ectasia | Marked |
| Note: ECTASIA | TGLs = 1-7 | | |
| Nose | Olfactory Epi | Degeneration | Mild |
| | Nasolacrim Dct | Inflammation | Acute, Mild |
| Pituitary Gland | Pars Distalis | Adenoma | |
| Note: COD-ADENOMA | | | |
| Note: ADENOMA | TGLs = 2-1 | | |
| Preputial Gland | | Inflammation | Chronic, Mild |
| Prostate | | Inflammation | Chronic Active, Moderate |
| Spleen | | Pigmentation | Moderate |
| Testes | Interstit Cell | Hyperplasia | Mild |
| Thymus | | Congestion | Mild |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:10

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 107

TRT#: 3

SEX: Male

DAY ON TEST: 731

DOSE: 5.0%

DISP: Terminal Sacrifice

HISTO: A85-0226

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

| | | | |
|---|---------------|--------------------------------|--------------------|
| Adrenal Gland | Cortex | Degeneration | Fatty, Mild |
| | Medulla | Pheochromocytoma Benign | |
| | Medulla | Pheochromocytoma Malignant | |
| Note: 1991 CONVERSION DISCREPANCY. ORIGINAL DIAGNOSIS SITE NOT SPECIFIED. | | | |
| Note: [PHEOCHROM BGN] TGLs = 3-8 | | | |
| Eye | | Cataract | Marked |
| | Retina | Degeneration | Marked |
| | Postr Chamber | Synechia | Moderate |
| Note: DEGEN TGLs = 1-15 | | | |
| Note: CATARACT TGLs = 1-15 | | | |
| Heart | | Cardiomyopathy | Chronic, Mild |
| Kidney | | Nephropathy | Chronic, Marked |
| | Renal Tubule | Pigmentation | Mild |
| Liver | | Basophilic Focus | |
| | Bile Duct | Hyperplasia | Mild |
| | Portal | Inflammation | Chronic, Mild |
| Lung | | Leukemia Mononuclear | |
| | | Alveolar/Bronchiolar Carcinoma | |
| | | Leukemia Mononuclear | |
| | Arteriole | Mineralization | Minimal |
| Note: ALV BRON CARC TGLs = 6-14 | | | |
| Lymph Node | Mandibular | Hyperplasia | Lymphoid, Moderate |
| Mesentery | Fat | Necrosis | Marked |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06
 Test Type: CHRONIC
 Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014
 Time Report Requested: 08:21:10
 First Dose M/F: NA / NA
 Lab: SRI

ANIMAL ID: 107 **TRT#:** 3 **SEX:** Male **DAY ON TEST:** 731
DOSE: 5.0% **DISP:** Terminal Sacrifice **HISTO:** A85-0226

ORGAN AND ACCOUNTABLE SITE STATUS

| | | | | |
|-------------------------------|-------------|-------------------|----------------------------------|--------------------------|
| Note: NECROSIS | TGLs = 4-13 | | | |
| Nose | | Olfactory Epi | Degeneration | Mild |
| | | Lumen | Hemorrhage | Mild |
| | | Nasolacrim Dct | Inflammation | Acute, Mild |
| Pancreas | | Acinus | Atrophy | Minimal |
| Pituitary Gland | | Pars Distalis | Adenoma | |
| Note: ADENOMA | TGLs = 5-1 | | | |
| Preputial Gland | | Duct | Ectasia | Mild |
| | | | Inflammation | Chronic Active, Moderate |
| Note: ECTASIA | TGLs = 7-8 | | | |
| Prostate | | | Inflammation | Chronic Active, Moderate |
| Spleen | | | Hematopoietic Cell Proliferation | Mild |
| | | | Leukemia Mononuclear | |
| | | | Pigmentation | Mild |
| Stomach | | Glandular, Mucosa | Dilatation | Mild |
| Testes | | Interstit Cell | Adenoma | |
| Note: ADENOMA | TGLs = 2-6 | | | |
| PRIMARY CAUSE OF DEATH | | - | | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:10

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 108

TRT#: 3

SEX: Male

DAY ON TEST: 731

DOSE: 5.0%

DISP: Terminal Sacrifice

HISTO: A85-0227

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|-------------------------|---------------------------|-------------------------|----------------------------|
| Bone | Bone Marrow | Brain | Epididymis |
| Esophagus | Intestine Large - Cecum | Intestine Large - Colon | Intestine Small - Duodenum |
| Intestine Small - Ileum | Intestine Small - Jejunum | Islets, Pancreatic | Mammary Gland |
| Pancreas | Parathyroid Gland | Preputial Gland | Prostate |
| Salivary Glands | Seminal Vesicle | Stomach - Forestomach | Thymus |
| Trachea | Urinary Bladder | | |

OBSERVATIONS

| | | | |
|-----------------|----------------|-------------------------|--------------------|
| Adrenal Gland | Cortex | Hyperplasia | Mild |
| | Cortex | Leukemia Mononuclear | |
| | Medulla | Leukemia Mononuclear | |
| | Medulla | Pheochromocytoma Benign | |
| Eye | Retina | Cataract | Marked |
| | | Degeneration | Marked |
| Note: DEGEN | TGLs = 1-15 | | |
| Note: CATARACT | TGLs = 1-15 | | |
| Heart | | Cardiomyopathy | Chronic, Moderate |
| Intestine Large | Rectum | Parasite Metazoan | |
| Kidney | | Leukemia Mononuclear | |
| | Renal Tubule | Nephropathy | Chronic, Moderate |
| | | Pigmentation | Mild |
| Liver | Bile Duct | Basophilic Focus | |
| | Portal | Hyperplasia | Moderate |
| | | Inflammation | Chronic, Mild |
| | | Leukemia Mononuclear | |
| Lung | | Leukemia Mononuclear | |
| | Arteriole | Mineralization | Mild |
| Lymph Node | Mandibular | Cyst | |
| | Mandibular | Hyperplasia | Lymphoid, Moderate |
| Nose | Olfactory Epi | Degeneration | Mild |
| | Nasolacrim Dct | Inflammation | Acute, Mild |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:10

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 108

TRT#: 3

SEX: Male

DAY ON TEST: 731

DOSE: 5.0%

DISP: Terminal Sacrifice

HISTO: A85-0227

ORGAN AND ACCOUNTABLE SITE STATUS

| | | | |
|------------------------------------|-------------------|----------------------------------|------|
| Pituitary Gland | Pars Distalis | Adenoma | |
| | Pars Distalis | Hyperplasia | Mild |
| Skin | | Squamous Cell Papilloma | |
| Note: PAPILLOMA SQUA TGLs = 2-13 | | | |
| Spleen | | Hematopoietic Cell Proliferation | Mild |
| | | Leukemia Mononuclear | |
| | | Pigmentation | Mild |
| | | Sarcoma | |
| Note: [SARCOMA] TGLs = 5-14 | | | |
| Note: LEUKEMIA MONUC TGLs = 4-2+14 | | | |
| Stomach | Glandular, Mucosa | Dilatation | Mild |
| Testes | Interstit Cell | Adenoma | |
| Note: ADENOMA TGLs = 3-6 | | | |
| Thyroid Gland | C Cell | Hyperplasia | Mild |
| PRIMARY CAUSE OF DEATH | - | | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:10

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 109

TRT#: 3

SEX: Male

DAY ON TEST: 570

DOSE: 5.0%

DISP: Moribund

HISTO: A85-0228

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 | Lymph Node - Mesenteric |
| Pancreas | Parathyroid Gland | Salivary Glands | Seminal Vesicle |
| Stomach - Forestomach | Thymus | Thyroid Gland | Trachea |
| Urinary Bladder | | | |

OBSERVATIONS

| | | | |
|-----------------------|---------------|---------------------------|------------------------|
| Adrenal Gland | Cortex | Degeneration | Fatty, Mild |
| | Medulla | Hyperplasia | Minimal |
| | Cortex | Hypertrophy | Mild |
| | Medulla | Pheochromocytoma Benign | |
| Brain | | Compression | |
| Heart | | Cardiomyopathy | Chronic, Moderate |
| Kidney | | Nephropathy | Chronic, Marked |
| Note: NEPHROPATHY | | | |
| TGLs = 3-5 | | | |
| Note: COD-NEPHROPATHY | | | |
| Liver | Bile Duct | Hyperplasia | Mild |
| | Portal | Inflammation | Chronic, Mild |
| | | Vacuolization Cytoplasmic | Mild |
| Lung | Arteriole | Mineralization | Mild |
| Lymph Node | Mandibular | Hyperplasia | Lymphoid, Mild |
| Mammary Gland | Acinus | Ectasia | Marked |
| Note: ECTASIA | | | |
| TGLs = 1-7 | | | |
| Nose | Olfactory Epi | Degeneration | Mild |
| Pituitary Gland | Pars Distalis | Adenoma | |
| Note: ADENOMA | | | |
| TGLs = 4-1 | | | |
| Preputial Gland | | Inflammation | Chronic Active, Mild |
| Prostate | | Inflammation | Chronic Active, Marked |
| Skin | Subcut Tiss | Lipoma | |
| Note: LIPOMA | | | |
| TGLs = 2-13 | | | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:10

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 109

TRT#: 3

SEX: Male

DAY ON TEST: 570

DOSE: 5.0%

DISP: Moribund

HISTO: A85-0228

ORGAN AND ACCOUNTABLE SITE STATUS

Spleen

Hematopoietic Cell Proliferation

Moderate

Pigmentation

Mild

Stomach

Glandular, Mucosa

Dilatation

Mild

Testes

Artery

Inflammation

Chronic, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:10

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 110

TRT#: 3

SEX: Male

DAY ON TEST: 709

DOSE: 5.0%

DISP: Moribund

HISTO: A85-0229

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 | Mammary Gland |
| Stomach - Glandular | Thyroid Gland | Trachea | Urinary Bladder |

MISSING

Parathyroid Gland

OBSERVATIONS

| | | | |
|----------------------------------|----------------|-------------------------|----------------|
| Adrenal Gland | Cortex | Carcinoma | |
| | Medulla | Hyperplasia | Mild |
| | Cortex | Leukemia Mononuclear | |
| | Medulla | Leukemia Mononuclear | |
| | Medulla | Pheochromocytoma Benign | |
| Epididymis | | Mesothelioma Malignant | |
| Heart | | Cardiomyopathy | Chronic, Mild |
| Kidney | | Nephropathy | Chronic, Mild |
| | Renal Tubule | Pigmentation | Marked |
| Liver | | Basophilic Focus | |
| | Bile Duct | Hyperplasia | Mild |
| | Portal | Inflammation | Chronic, Mild |
| | | Leukemia Mononuclear | |
| | | Necrosis | Minimal |
| Note: COD-LEUKEMIA MONUC | | | |
| Note: LEUKEMIA MONUC TGLs = 6-2 | | | |
| Lung | | Leukemia Mononuclear | |
| Lymph Node | Mandibular | Hyperplasia | Lymphoid, Mild |
| | Mesenteric | Leukemia Mononuclear | |
| Mesentery | | Mesothelioma Malignant | |
| Note: MESOTHELIO MAL TGLs = 7-15 | | | |
| Nose | Olfactory Epi | Degeneration | Mild |
| | Nasolacrim Dct | Hemorrhage | Mild |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:10

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 110

TRT#: 3

SEX: Male

DAY ON TEST: 709

DOSE: 5.0%

DISP: Moribund

HISTO: A85-0229

ORGAN AND ACCOUNTABLE SITE STATUS

| | | | | |
|----------------------|------------------|----------------|------------------------|---------------|
| Pancreas | | | Pigmentation | Mild |
| Note: PIGMENT | TGLs = 4-4 | | | |
| Pituitary Gland | | Pars Distalis | Hyperplasia | Mild |
| Preputial Gland | | | Inflammation | Chronic, Mild |
| Prostate | | | Inflammation | Chronic, Mild |
| Salivary Glands | | Duct | Mineralization | Mild |
| Seminal Vesicle | | | Mesothelioma Malignant | |
| Skin | | | Hyperkeratosis | Marked |
| Note: HYPERKERATOSIS | TGLs = 1-14+14.1 | | | |
| Spleen | | | Leukemia Mononuclear | |
| Note: LEUKEMIA MONUC | TGLs = 5-2 | | | |
| Stomach | | Forestomach | Hyperkeratosis | Moderate |
| Testes | | Interstit Cell | Adenoma | |
| | | Tunic | Mesothelioma Malignant | |
| Note: ADENOMA | TGLs = 3-6 | | | |
| Thymus | | | Leukemia Mononuclear | |

PRIMARY CAUSE OF DEATH

-

Animal Note: TGL # 2 (CAVITIES)-NCL

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:10

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 111

TRT#: 3

SEX: Male

DAY ON TEST: 731

DOSE: 5.0%

DISP: Terminal Sacrifice

HISTO: A85-0230

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 | Mammary Gland | Parathyroid Gland | Salivary Glands |
| Seminal Vesicle | Skin | Thymus | Thyroid Gland |
| Trachea | Urinary Bladder | | |

OBSERVATIONS

| | | | |
|---------------------------------|-------------------|----------------------------------|-------------------|
| Adrenal Gland | Cortex | Leukemia Mononuclear | |
| Heart | | Cardiomyopathy | Chronic, Moderate |
| Kidney | | Leukemia Mononuclear | |
| | Renal Tubule | Nephropathy | Chronic, Moderate |
| | | Pigmentation | Mild |
| Liver | Bile Duct | Hyperplasia | Mild |
| | Portal | Inflammation | Chronic, Minimal |
| | | Leukemia Mononuclear | |
| Lung | | Hemorrhage | Minimal |
| | | Leukemia Mononuclear | |
| Lymph Node | Mandibular | Hyperplasia | Lymphoid, Mild |
| | Mesenteric | Leukemia Mononuclear | |
| Nose | Olfactory Epi | Degeneration | Mild |
| Pancreas | Acinus | Atrophy | Mild |
| Pituitary Gland | Pars Distalis | Adenoma | |
| | Pars Intermed | Hyperplasia | Mild |
| Preputial Gland | | Inflammation | Chronic, Mild |
| Prostate | | Inflammation | Chronic, Minimal |
| Spleen | | Hematopoietic Cell Proliferation | Moderate |
| | | Leukemia Mononuclear | |
| | | Pigmentation | Mild |
| Note: LEUKEMIA MONUC TGLs = 2-2 | | | |
| Stomach | Glandular, Mucosa | Dilatation | Mild |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:10

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 111

TRT#: 3

SEX: Male

DAY ON TEST: 731

DOSE: 5.0%

DISP: Terminal Sacrifice

HISTO: A85-0230

ORGAN AND ACCOUNTABLE SITE STATUS

Testes

Note: ADENOMA

TGLs = 1-6

Forestomach

Interstit Cell

Leukemia Mononuclear

Adenoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:10

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 112

TRT#: 3

DOSE: 5.0%

SEX: Male

DISP: Moribund

DAY ON TEST: 637

HISTO: A85-0231

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 | Pancreas |
| Parathyroid Gland | Preputial Gland | Salivary Glands | Seminal Vesicle |
| Skin | Stomach - Forestomach | Stomach - Glandular | Trachea |
| Urinary Bladder | | | |

OBSERVATIONS

| | | | |
|--------------------------|---------------|----------------------|-------------------|
| Adrenal Gland | Cortex | Degeneration | Fatty, Mild |
| | Cortex | Hyperplasia | Mild |
| | Medulla | Hyperplasia | Mild |
| Bone Marrow | | Leukemia Mononuclear | |
| Note: LEUKEMIA MONUC | TGLs = 8-9 | | |
| Heart | | Cardiomyopathy | Chronic, Mild |
| Kidney | | Leukemia Mononuclear | |
| | | Nephropathy | Chronic, Moderate |
| | Renal Tubule | Pigmentation | Moderate |
| Liver | Bile Duct | Hyperplasia | Mild |
| | | Leukemia Mononuclear | |
| Note: LEUKEMIA MONUC | TGLs = 4-2 | | |
| Lung | | Leukemia Mononuclear | |
| Lymph Node | Mandibular | Leukemia Mononuclear | |
| | Mesenteric | Leukemia Mononuclear | |
| | Pancreatic | Leukemia Mononuclear | |
| | Renal | Leukemia Mononuclear | |
| Note: LEUKEMIA MONUC | TGLs = 2-4 | | |
| Note: COD-LEUKEMIA MONUC | | | |
| Note: LEUKEMIA MONUC | TGLs = 5-13 | | |
| Mammary Gland | Acinus | Ectasia | Mild |
| Nose | Olfactory Epi | Degeneration | Mild |
| | Mucosa | Inflammation | Acute, Mild |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014
Time Report Requested: 08:21:10
First Dose M/F: NA / NA
Lab: SRI

| | | | |
|-----------------------|-------------------------------------|---|---|
| ANIMAL ID: 112 | TRT#: 3 DOSE: 5.0% | SEX: Male DISP: Moribund | DAY ON TEST: 637 HISTO: A85-0231 |
|-----------------------|-------------------------------------|---|---|

ORGAN AND ACCOUNTABLE SITE STATUS

| | | | |
|---|----------------|--|--------------------------|
| Pituitary Gland Note: ADENOMA TGLs = 6-1 | Pars Distalis | Adenoma | |
| Prostate | | Inflammation Leukemia Mononuclear | Chronic Active, Moderate |
| Spleen Note: LEUKEMIA MONUC TGLs = 3-2 | | Hematopoietic Cell Proliferation Leukemia Mononuclear | Minimal |
| Testes Note: ADENOMA TGLs = 1-6 | Interstit Cell | Adenoma | |
| Thymus | | Leukemia Mononuclear | |
| Thyroid Gland | | Ultimobranchial Cyst | |

PRIMARY CAUSE OF DEATH -

Animal Note: TGL # 7 (CARCASS)-NCL

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:10

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 113

TRT#: 3

SEX: Male

DAY ON TEST: 731

DOSE: 5.0%

DISP: Terminal Sacrifice

HISTO: A85-0232

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 | Lymph Node - Mesenteric |
| Pancreas | Seminal Vesicle | Skin | Stomach - Forestomach |
| Thymus | Thyroid Gland | Trachea | Urinary Bladder |

MISSING

Parathyroid Gland

OBSERVATIONS

| | | | |
|-------------------|--------------------|-----------------------------------|-------------------|
| Adrenal Gland | Cortex | Accessory Adrenal Cortical Nodule | |
| | Cortex | Degeneration | Fatty, Moderate |
| | Bilateral, Medulla | Pheochromocytoma Benign | |
| | Cortex | Pigmentation | Mild |
| Brain | | Compression | |
| Note: COMPRESSION | TGLs = 5-1 | | |
| Eye | | Cataract | Marked |
| | Retina | Degeneration | Marked |
| | | Hemorrhage | Marked |
| | Postr Chamber | Synechia | Marked |
| Note: CATARACT | TGLs = 1-13 | | |
| Note: DEGEN | TGLs = 1-13 | | |
| Heart | | Cardiomyopathy | Chronic, Mild |
| | Artery | Inflammation | Chronic, Moderate |
| Kidney | | Nephropathy | Chronic, Marked |
| | Renal Tubule | Pigmentation | Mild |
| Note: NEPHROPATHY | TGLs = 3-5 | | |
| Liver | Bile Duct | Hyperplasia | Mild |
| | Portal | Inflammation | Chronic, Mild |
| | | Vacuolization Cytoplasmic | Mild |
| Lung | | Hemorrhage | Mild |
| | Alveolus | Infiltration Cellular | Histiocyte, Mild |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:10

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 113

TRT#: 3

SEX: Male

DAY ON TEST: 731

DOSE: 5.0%

DISP: Terminal Sacrifice

HISTO: A85-0232

ORGAN AND ACCOUNTABLE SITE STATUS

| | | | |
|---------------------------------|-------------------|----------------------------------|--------------------------|
| Lymph Node | Arteriole | Mineralization | Mild |
| Mammary Gland | Mandibular | Hyperplasia | Lymphoid, Mild |
| Note: ECTASIA | Acinus | Ectasia | Marked |
| TGLs = 2-7 | | | |
| Nose | Olfactory Epi | Degeneration | Mild |
| | Lumen | Hemorrhage | Minimal |
| Pituitary Gland | Pars Distalis | Adenoma | |
| Note: ADENOMA | | | |
| TGLs = 4-1 | | | |
| Preputial Gland | | Inflammation | Chronic Active, Moderate |
| Prostate | | Inflammation | Chronic Active, Moderate |
| Salivary Glands | Acinus | Atrophy | Mild |
| Spleen | | Fibrosis | Mild |
| | | Hematopoietic Cell Proliferation | Minimal |
| | | Pigmentation | Mild |
| Note: FIBROSIS INVOLVES CAPSULE | | | |
| Stomach | Glandular, Mucosa | Dilatation | Mild |
| Testes | Interstit Cell | Adenoma | |
| | Interstit Cell | Hyperplasia | Minimal |
| PRIMARY CAUSE OF DEATH | - | | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:10

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 114

TRT#: 3

SEX: Male

DAY ON TEST: 700

DOSE: 5.0%

DISP: Moribund

HISTO: A85-0233

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Parathyroid Gland

OBSERVATIONS

| | | | |
|----------------------|--------------|-------------------------|-------------------|
| Adrenal Gland | Cortex | Leukemia Mononuclear | |
| | Medulla | Leukemia Mononuclear | |
| | Medulla | Pheochromocytoma Benign | |
| | Cortex | Pigmentation | Minimal |
| Bone Marrow | | Leukemia Mononuclear | |
| Eye | | Cataract | Marked |
| | Retina | Degeneration | Marked |
| Note: CATARACT | TGLs = 1-13 | | |
| Note: DEGEN | TGLs = 1-13 | | |
| Heart | | Cardiomyopathy | Chronic, Moderate |
| Intestine Large | Colon | Parasite Metazoan | |
| Kidney | | Leukemia Mononuclear | |
| | | Nephropathy | Chronic, Marked |
| | Renal Tubule | Pigmentation | Mild |
| Liver | Bile Duct | Hyperplasia | Moderate |
| | Portal | Inflammation | Chronic, Mild |
| | | Leukemia Mononuclear | |
| Note: LEUKEMIA MONUC | TGLs = 7-2 | | |
| Lung | | Leukemia Mononuclear | |
| Lymph Node | Axillary | Leukemia Mononuclear | |
| | Mandibular | Leukemia Mononuclear | |
| | Mediastinal | Leukemia Mononuclear | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:10

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 114

TRT#: 3

SEX: Male

DAY ON TEST: 700

DOSE: 5.0%

DISP: Moribund

HISTO: A85-0233

ORGAN AND ACCOUNTABLE SITE STATUS

Mesenteric
Pancreatic

Leukemia Mononuclear
Leukemia Mononuclear

Note: LEUKEMIA MONUC TGLs = 3-14
Note: COD-LEUKEMIA MONUC
Note: LEUKEMIA MONUC TGLs = 2-7
Note: LEUKEMIA MONUC TGLs = 5-4

Nose

Olfactory Epi
Nasolacrim Dct
Mucosa

Degeneration
Hemorrhage
Inflammation

Mild
Mild
Acute, Mild

Pancreas

Acinus

Atrophy

Mild

Pituitary Gland

Pars Distalis

Hyperplasia

Mild

Preputial Gland

Leukemia Mononuclear

Inflammation

Chronic Active, Moderate

Prostate

Inflammation

Chronic Active, Mild

Spleen

Hematopoietic Cell Proliferation

Mild

Leukemia Mononuclear

Note: LEUKEMIA MONUC TGLs = 6-2

Stomach

Glandular, Mucosa

Dilatation

Minimal

Testes

Interstit Cell

Adenoma

Note: ADENOMA TGLs = 4-6+6.1

Thyroid Gland

Follicle

Adenoma

Note: ADENOMA TGLs = 8-3

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:11

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 115

TRT#: 3

SEX: Male

DAY ON TEST: 731

DOSE: 5.0%

DISP: Terminal Sacrifice

HISTO: A85-0234

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

| | | | |
|------------------------------|-------------------|----------------------------------|------------------------|
| Adrenal Gland | Medulla | Pheochromocytoma Benign | |
| Heart | | Cardiomyopathy | Chronic, Mild |
| | Artery | Mineralization | Mild |
| Kidney | | Nephropathy | Chronic, Marked |
| | Renal Tubule | Pigmentation | Minimal |
| Note: NEPHROPATHY TGLs = 3-5 | | | |
| Liver | | Basophilic Focus | |
| | Bile Duct | Hyperplasia | Mild |
| | Portal | Inflammation | Chronic, Minimal |
| Lung | | Congestion | Mild |
| | Alveolus | Infiltration Cellular | Histiocyte, Mild |
| | Arteriole | Mineralization | Mild |
| Lymph Node | Mandibular | Hyperplasia | Lymphoid, Moderate |
| Nose | Olfactory Epi | Degeneration | Mild |
| Pancreas | Artery | Inflammation | Chronic, Moderate |
| Pituitary Gland | Pars Distalis | Adenoma | |
| Note: ADENOMA TGLs = 4-1 | | | |
| Preputial Gland | | Carcinoma | |
| Note: CARCINOMA TGLs = 1-13 | | | |
| Prostate | | Inflammation | Chronic Active, Marked |
| Spleen | | Hematopoietic Cell Proliferation | Mild |
| | | Pigmentation | Mild |
| Stomach | Glandular, Mucosa | Dilatation | Minimal |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:11

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 115

TRT#: 3

SEX: Male

DAY ON TEST: 731

DOSE: 5.0%

DISP: Terminal Sacrifice

HISTO: A85-0234

ORGAN AND ACCOUNTABLE SITE STATUS

Testes

Interstit Cell

Adenoma

Note: ADENOMA

TGLs = 2-6

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:11

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 116

TRT#: 3

SEX: Male

DAY ON TEST: 682

DOSE: 5.0%

DISP: Moribund

HISTO: A85-0235

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

| | | | |
|-------------------|---------------|-------------------------|-------------------|
| Adrenal Gland | Cortex | Degeneration | Fatty, Mild |
| | Medulla | Pheochromocytoma Benign | |
| | Cortex | Pigmentation | Mild |
| Bone | | | |
| Note: TGL # 5-NCL | | | |
| Heart | | Cardiomyopathy | Chronic, Mild |
| Kidney | | Nephropathy | Chronic, Marked |
| | Renal Tubule | Pigmentation | Mild |
| Liver | Bile Duct | Hyperplasia | Mild |
| | Portal | Inflammation | Chronic, Mild |
| Lung | | Leukemia Mononuclear | |
| | Arteriole | Mineralization | Mild |
| Lymph Node | Mediastinal | Congestion | Moderate |
| | Mandibular | Hyperplasia | Lymphoid, Mild |
| Mammary Gland | Acinus | Ectasia | Moderate |
| | Duct | Ectasia | Moderate |
| Note: ECTASIA | TGLs = 2-7 | | |
| Nose | Olfactory Epi | Degeneration | Mild |
| Pancreas | Acinus | Atrophy | Moderate |
| Pituitary Gland | Pars Distalis | Adenoma | |
| Note: ADENOMA | TGLs = 4-1 | | |
| Preputial Gland | | Carcinoma | |
| | | Inflammation | Chronic, Moderate |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014
Time Report Requested: 08:21:11
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 116

TRT#: 3

SEX: Male

DAY ON TEST: 682

DOSE: 5.0%

DISP: Moribund

HISTO: A85-0235

ORGAN AND ACCOUNTABLE SITE STATUS

Note: CARCINOMA TGLs = 3-14

Note: COD-CARCINOMA

Prostate

Skin

Inflammation

Hyperkeratosis

Ulcer

Chronic Active, Marked

Marked

Marked

Note: ULCER TGLs = 1-13

Note: HYPERKERATOSIS TGLs = 1-13

Spleen

Fibrosis

Hematopoietic Cell Proliferation

Mild

Moderate

Testes

Interstit Cell

Adenoma

Hyperplasia

Mild

Thymus

Cyst

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:11

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 117

TRT#: 3

SEX: Male

DAY ON TEST: 731

DOSE: 5.0%

DISP: Terminal Sacrifice

HISTO: A85-0236

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Parathyroid Gland

OBSERVATIONS

| | | | |
|-----------------|---------------|----------------------------------|-------------------|
| Adrenal Gland | Medulla | Cyst | |
| | Medulla | Pheochromocytoma Benign | |
| | Cortex | Pigmentation | Mild |
| Bone Marrow | | Hemorrhage | Moderate |
| Heart | | Cardiomyopathy | Chronic, Moderate |
| Kidney | | Nephropathy | Chronic, Marked |
| | Renal Tubule | Pigmentation | Minimal |
| Liver | | Basophilic Focus | |
| | Bile Duct | Hyperplasia | Mild |
| | Portal | Inflammation | Chronic, Mild |
| Lung | | Congestion | Mild |
| | | Hemorrhage | Mild |
| | Arteriole | Mineralization | Mild |
| Lymph Node | Mandibular | Hyperplasia | Lymphoid, Mild |
| Mesentery | Fat | Necrosis | Marked |
| Note: NECROSIS | TGLs = 2-13 | | |
| Nose | Olfactory Epi | Degeneration | Mild |
| Pancreas | Acinus | Atrophy | Mild |
| | Artery | Inflammation | Chronic, Moderate |
| Preputial Gland | | Inflammation | Chronic, Mild |
| Spleen | | Hematopoietic Cell Proliferation | Mild |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:11

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 117

TRT#: 3

SEX: Male

DAY ON TEST: 731

DOSE: 5.0%

DISP: Terminal Sacrifice

HISTO: A85-0236

ORGAN AND ACCOUNTABLE SITE STATUS

| | | | |
|-------------------------------|-------------------|--------------|------|
| Stomach | Glandular, Mucosa | Pigmentation | Mild |
| Testes | Interstit Cell | Dilatation | Mild |
| Note: ADENOMA TGLs = 1-6 | | Adenoma | |
| Thyroid Gland | C Cell | Adenoma | |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:11

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 118

TRT#: 3

SEX: Male

DAY ON TEST: 258

DOSE: 5.0%

DISP: Dead

HISTO: A83028427

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|------------------------|-------------------------|-------------------|--------------------|
| Adrenal Gland - Cortex | Adrenal Gland - Medulla | Bone | Brain |
| Epididymis | Esophagus | Heart | Islets, Pancreatic |
| Mammary Gland | Nose | Parathyroid Gland | Pituitary Gland |
| Prostate | Salivary Glands | Seminal Vesicle | Skin |
| Stomach - Forestomach | Stomach - Glandular | Testes | Thymus |
| Thyroid Gland | Trachea | | |

AUTO PRECLUDES DIAG.

| | | | |
|----------------------------|-------------------------|---------------------------|--------------------------|
| Bone Marrow | Intestine Large - Cecum | Intestine Large - Colon | Intestine Large - Rectum |
| Intestine Small - Duodenum | Intestine Small - Ileum | Intestine Small - Jejunum | Urinary Bladder |

OBSERVATIONS

| | | | |
|-------------------------------|---|---|--------------------------------|
| Kidney | | Congestion | Mild |
| Liver | Bile Duct Portal | Hyperplasia Inflammation Necrosis | Mild Chronic, Mild Mild |
| Lung | | Congestion Hemorrhage | Marked Mild |
| Note: CONGESTION TGLs = 2-4 | | | |
| Note: HEMORRHAGE TGLs = 2-4 | | | |
| Lymph Node | Mandibular Mediastinal Mesenteric | Congestion Hemorrhage Hemorrhage | Moderate Moderate Marked |
| Note: HEMORRHAGE TGLs = 3-4 | | | |
| Pancreas | | Inflammation | Acute, Marked |
| Note: COD-INFLAMMATION | | | |
| Note: INFLAMMATION TGLs = 1-5 | | | |
| Preputial Gland | | Inflammation | Chronic Active, Mild |
| Spleen | | Pigmentation | Mild |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:11

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 119

TRT#: 3

SEX: Male

DAY ON TEST: 731

DOSE: 5.0%

DISP: Terminal Sacrifice

HISTO: A85-0238

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 | Lymph Node - Mesenteric | Mammary Gland | Pancreas |
| Parathyroid Gland | Salivary Glands | Seminal Vesicle | Skin |
| Stomach - Forestomach | Stomach - Glandular | Thymus | Thyroid Gland |
| Trachea | Urinary Bladder | | |

OBSERVATIONS

| | | | |
|----------------------------------|---------------|----------------------------|-------------------|
| Adrenal Gland | Cortex | Pigmentation | Mild |
| Eye | Retina | Cataract | Marked |
| | | Degeneration | Marked |
| | Sclera | Hemorrhage | Marked |
| | | Mineralization | Mild |
| Note: DEGEN TGLs = 1-13 | | | |
| Note: CATARACT TGLs = 1-13 | | | |
| Heart | | Cardiomyopathy | Chronic, Moderate |
| Kidney | | Nephropathy | Chronic, Moderate |
| | Renal Tubule | Pigmentation | Mild |
| | | Basophilic Focus | |
| | | Developmental Malformation | |
| | Bile Duct | Hyperplasia | Mild |
| | Portal | Inflammation | Chronic, Mild |
| Note: DEVELOP MALFOR TGLs = 4-15 | | | |
| Lung | | Hemorrhage | Minimal |
| | Arteriole | Mineralization | Mild |
| Lymph Node | Mandibular | Hyperplasia | Lymphoid, Mild |
| Mesentery | Fat | Necrosis | Marked |
| Note: NECROSIS TGLs = 3-14 | | | |
| Nose | Olfactory Epi | Degeneration | Mild |
| Pituitary Gland | Pars Intermed | Cyst | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014
Time Report Requested: 08:21:11
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 119

TRT#: 3
DOSE: 5.0%

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 731
HISTO: A85-0238

ORGAN AND ACCOUNTABLE SITE STATUS

| | | | |
|-----------------|----------------|----------------------------------|--------------------------|
| Preputial Gland | | Inflammation | Chronic Active, Moderate |
| Prostate | | Inflammation | Chronic Active, Mild |
| Spleen | | Hematopoietic Cell Proliferation | Minimal |
| | | Pigmentation | Mild |
| Testes | Interstit Cell | Adenoma | |
| Note: ADENOMA | TGLs = 2-6 | | |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:11

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 120

TRT#: 3

SEX: Male

DAY ON TEST: 679

DOSE: 5.0%

DISP: Moribund

HISTO: A85-0239

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|---------------------------|--------------------------|----------------------------|-------------------------|
| Bone | Brain | Epididymis | Esophagus |
| Intestine Large - Cecum | Intestine Large - Rectum | Intestine Small - Duodenum | Intestine Small - Ileum |
| Intestine Small - Jejunum | Islets, Pancreatic | Parathyroid Gland | Pituitary Gland |
| Salivary Glands | Seminal Vesicle | Skin | Stomach - Forestomach |
| Thyroid Gland | Trachea | | |

OBSERVATIONS

| | | | |
|---|--|---|------------------------------|
| Adrenal Gland | Cortex Bilateral, Medulla Cortex | Degeneration Pheochromocytoma Benign Pigmentation | Fatty, Minimal Mild |
| Bone Marrow | | Myelofibrosis | Marked |
| Eye | Retina | Cataract Degeneration Hemorrhage | Moderate Marked Marked |
| Note: DEGEN TGLs = 2-13 Note: CATARACT TGLs = 2-13 Note: HEMORRHAGE TGLs = 1-13 | | | |
| Heart | | Cardiomyopathy Leukemia Mononuclear | Chronic, Mild |
| Intestine Large | Colon | Parasite Metazoan Leukemia Mononuclear | |
| Kidney | Renal Tubule | Nephropathy Pigmentation | Chronic, Moderate Mild |
| Note: NEPHROPATHY TGLs = 6-5 | | | |
| Liver | Bile Duct Portal | Developmental Malformation Hyperplasia Inflammation Leukemia Mononuclear | Marked Chronic, Moderate |
| Note: DEVELOP MALFOR TGLs = 9-14 Note: INFLAMMATION TGLs = 8-2 Note: COD-LEUKEMIA MONUC | | | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:11

First Dose M/F: NA / NA

Lab: SRI

| | | | |
|-----------------------|-------------------------------------|---|---|
| ANIMAL ID: 120 | TRT#: 3 DOSE: 5.0% | SEX: Male DISP: Moribund | DAY ON TEST: 679 HISTO: A85-0239 |
|-----------------------|-------------------------------------|---|---|

ORGAN AND ACCOUNTABLE SITE STATUS

| | | | |
|----------------------|-------------------|----------------------|--------------------------|
| Lung | | Leukemia Mononuclear | |
| | Arteriole | Mineralization | Mild |
| Lymph Node | Pancreatic | Congestion | Moderate |
| | Mandibular | Hyperplasia | Lymphoid, Mild |
| | Mandibular | Leukemia Mononuclear | |
| | Mesenteric | Leukemia Mononuclear | |
| | Pancreatic | Leukemia Mononuclear | |
| Note: LEUKEMIA MONUC | TGLs = 5-4 | | |
| Note: LEUKEMIA MONUC | TGLs = 10-4 | | |
| Mammary Gland | Acinus | Ectasia | Mild |
| Nose | Olfactory Epi | Degeneration | Mild |
| | Mucosa | Inflammation | Acute, Mild |
| Pancreas | Acinus | Atrophy | Marked |
| Preputial Gland | | Inflammation | Chronic Active, Moderate |
| Prostate | | Inflammation | Chronic Active, Moderate |
| Spleen | | Leukemia Mononuclear | |
| Note: LEUKEMIA MONUC | TGLs = 4-2 | | |
| Stomach | Glandular, Mucosa | Dilatation | Mild |
| Testes | Interstit Cell | Adenoma | |
| Note: ADENOMA | TGLs = 3-6 | | |
| Thymus | | Leukemia Mononuclear | |
| Urinary Bladder | | Leukemia Mononuclear | |

PRIMARY CAUSE OF DEATH -

Animal Note: TGL # 7 (CAVITIES)-NCL

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:11

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 121

TRT#: 5

SEX: Male

DAY ON TEST: 477

DOSE: 2.5%

DISP: Moribund

HISTO: A84031016

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

| | | | |
|----------------------------------|---------------|-----------------|----------------|
| Adrenal Gland | Cortex | Degeneration | Fatty, Mild |
| | Medulla | Hyperplasia | Mild |
| Blood | | Atypia Cellular | |
| Note: ATYPICAL CELLS TGLs = 1-61 | | | |
| Eye | | Cataract | Marked |
| | Retina | Degeneration | Marked |
| Note: CATARACT TGLs = 2-44 | | | |
| Note: DEGEN TGLs = 2-44 | | | |
| Heart | | Cardiomyopathy | Chronic, Mild |
| Kidney | | Nephropathy | Chronic, Mild |
| | Renal Tubule | Pigmentation | Minimal |
| | Bile Duct | Hyperplasia | Mild |
| Liver | Portal | Inflammation | Chronic, Mild |
| | | Necrosis | Mild |
| Lung | | | |
| Note: TGL 6 AND 7-NCL. | | | |
| Nose | Olfactory Epi | Degeneration | Minimal |
| Pancreas | Acinus | Atrophy | Moderate |
| Pituitary Gland | Pars Distalis | Adenoma | |
| Preputial Gland | | Carcinoma | |
| Note: CARCINOMA TGLs = 3-21 | | | |
| Note: CAUSE OF DEATH- CARCINOMA. | | | |
| Prostate | | Inflammation | Acute, Minimal |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014
Time Report Requested: 08:21:11
First Dose M/F: NA / NA
Lab: SRI

| | | | |
|-----------------------|-------------------------------------|---|--|
| ANIMAL ID: 121 | TRT#: 5 DOSE: 2.5% | SEX: Male DISP: Moribund | DAY ON TEST: 477 HISTO: A84031016 |
|-----------------------|-------------------------------------|---|--|

ORGAN AND ACCOUNTABLE SITE STATUS

| | | | |
|---------------------------------|----------------|--|----------------|
| Spleen | | Hematopoietic Cell Proliferation Pigmentation | Marked Mild |
| Note: HEMA CELL PROL TGLs = 4-2 | | | |
| Stomach | Forestomach | Mineralization | Mild |
| Testes | Interstit Cell | Hyperplasia | Mild |
| Thyroid Gland | C Cell | Hyperplasia | Mild |

PRIMARY CAUSE OF DEATH

-

Animal Note: TGL 5 (CARCASS)-NST.

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:11

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 122

TRT#: 5

SEX: Male

DAY ON TEST: 734

DOSE: 2.5%

DISP: Terminal Sacrifice

HISTO: A85-0241

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

| | | | |
|----------------------|--------------|-------------------------|--------------------|
| Adrenal Gland | Medulla | Hyperplasia | Moderate |
| | Cortex | Leukemia Mononuclear | |
| | Medulla | Pheochromocytoma Benign | |
| Eye | Retina | Cataract | Marked |
| | | Degeneration | Marked |
| Note: DEGEN | TGLs = 1-13 | | |
| Note: CATARACT | TGLs = 1-13 | | |
| Heart | | Cardiomyopathy | Chronic, Moderate |
| Intestine Large | Cecum | Parasite Metazoan | |
| | Rectum | Parasite Metazoan | |
| Kidney | | Nephropathy | Chronic, Moderate |
| | Renal Tubule | Pigmentation | Mild |
| Liver | Bile Duct | Hyperplasia | Mild |
| | Portal | Inflammation | Chronic, Mild |
| | | Leukemia Mononuclear | |
| Lung | Alveolus | Infiltration Cellular | Histiocyte, Mild |
| | | Leukemia Mononuclear | |
| | Arteriole | Mineralization | Mild |
| Note: LEUKEMIA MONUC | TGLs = 4-3 | | |
| Lymph Node | Mandibular | Hyperplasia | Lymphoid, Mild |
| | Mediastinal | Hyperplasia | Lymphoid, Moderate |
| | Mediastinal | Leukemia Mononuclear | |
| | Mesenteric | Leukemia Mononuclear | |
| Nose | Mucosa | Inflammation | Acute, Moderate |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:11

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 122

TRT#: 5

SEX: Male

DAY ON TEST: 734

DOSE: 2.5%

DISP: Terminal Sacrifice

HISTO: A85-0241

ORGAN AND ACCOUNTABLE SITE STATUS

| | | | |
|---------------------------------|----------------|----------------------------------|--------------------------|
| Pancreas | Acinus | Atrophy | Mild |
| Pituitary Gland | Pars Distalis | Adenoma | |
| Note: ADENOMA TGLs = 5-1 | | | |
| Preputial Gland | | Inflammation | Chronic Active, Mild |
| Prostate | | Inflammation | Chronic Active, Moderate |
| Spleen | | Hematopoietic Cell Proliferation | Minimal |
| | | Leukemia Mononuclear | |
| | | Pigmentation | Mild |
| Note: LEUKEMIA MONUC TGLs = 3-2 | | | |
| Testes | Interstit Cell | Adenoma | |
| Note: ADENOMA TGLs = 2-6 | | | |
| Thymus | | Leukemia Mononuclear | |
| PRIMARY CAUSE OF DEATH | - | | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:11

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 123

TRT#: 5

SEX: Male

DAY ON TEST: 644

DOSE: 2.5%

DISP: Moribund

HISTO: A85-0242

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 |
| Pancreas | Parathyroid Gland | Salivary Glands | Seminal Vesicle |
| Stomach - Forestomach | Stomach - Glandular | Thyroid Gland | Trachea |
| Urinary Bladder | | | |

OBSERVATIONS

| | | | |
|------------------------------------|---------------|----------------------------|----------------------|
| Adrenal Gland | Cortex | Hyperplasia | Mild |
| | Medulla | Pheochromocytoma Malignant | |
| Note: [PHEOCHROM MAL] TGLs = 1-8 | | | |
| Heart | | Cardiomyopathy | Chronic, Minimal |
| Kidney | | Nephropathy | Chronic, Marked |
| | Renal Tubule | Pigmentation | Mild |
| Liver | | Developmental Malformation | |
| | Bile Duct | Hyperplasia | Mild |
| | Portal | Inflammation | Chronic, Mild |
| | | Leukemia Mononuclear | |
| | | Necrosis | Mild |
| Note: DEVELOP MALFOR TGLs = 2-13 | | | |
| Note: COD - LEUKEMIA, MONUC | | | |
| Lung | | Leukemia Mononuclear | |
| | Arteriole | Mineralization | Mild |
| Lymph Node | Mandibular | Hyperplasia | Lymphoid, Mild |
| | Mediastinal | Leukemia Mononuclear | |
| | Mesenteric | Leukemia Mononuclear | |
| Mammary Gland | Acinus | Ectasia | Mild |
| Nose | Olfactory Epi | Degeneration | Mild |
| Pituitary Gland | Pars Distalis | Hyperplasia | Mild |
| Preputial Gland | | Inflammation | Chronic Active, Mild |
| Prostate | | Inflammation | Chronic Active, Mild |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014
Time Report Requested: 08:21:11
First Dose M/F: NA / NA
Lab: SRI

| | | | |
|-----------------------|-------------------------------------|---|---|
| ANIMAL ID: 123 | TRT#: 5 DOSE: 2.5% | SEX: Male DISP: Moribund | DAY ON TEST: 644 HISTO: A85-0242 |
|-----------------------|-------------------------------------|---|---|

ORGAN AND ACCOUNTABLE SITE STATUS

| | | | |
|---|----------------|--------------------------------------|------|
| Skin Note: TGL # 4 = TISSUE, NOS Note: BASAL CEL CARC TGLs = 4-14 | | Basal Cell Carcinoma | |
| Spleen | | Leukemia Mononuclear Pigmentation | Mild |
| Testes Thymus | Interstit Cell | Adenoma Leukemia Mononuclear | |

PRIMARY CAUSE OF DEATH

-

Animal Note: TGL # 5 - (CARCASS) - NST
Animal Note: TGL # 3 - (CAVITIES) - NST

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:11

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 124

TRT#: 5

SEX: Male

DAY ON TEST: 700

DOSE: 2.5%

DISP: Moribund

HISTO: A85-0243

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 | Lymph Node - Mesenteric |
| Salivary Glands | Seminal Vesicle | Stomach - Forestomach | Stomach - Glandular |
| Trachea | | | |

MISSING

Thymus

OBSERVATIONS

| | | | |
|---|--|--|---|
| Adrenal Gland | Cortex Bilateral, Medulla | Degeneration Pheochromocytoma Benign | Fatty, Mild |
| Brain | | Compression | Mild |
| Eye | Retina | Cataract Degeneration | Marked Marked |
| Note: CATARACT TGLs = 1-13 Note: DEGEN TGLs = 1-13 | | | |
| Heart | | Cardiomyopathy | Chronic, Mild |
| Kidney | Renal Tubule | Nephropathy Pigmentation | Chronic, Marked Mild |
| Note: COD - NEPHROPATHY, MARKED Note: NEPHROPATHY TGLs = 6-5 | | | |
| Liver | Bile Duct Portal | Basophilic Focus Hyperplasia Inflammation | Mild Chronic, Mild |
| Lung | | Leukemia Mononuclear Leukemia Mononuclear | |
| Lymph Node | Arteriole Mandibular Mandibular Mediastinal | Mineralization Cyst Hyperplasia Infiltration Cellular | Mild Lymphoid, Mild Plasma Cell, Mild |
| Note: HYPERPLASIA TGLs = 8-3 | | | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:11

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 124

TRT#: 5

SEX: Male

DAY ON TEST: 700

DOSE: 2.5%

DISP: Moribund

HISTO: A85-0243

ORGAN AND ACCOUNTABLE SITE STATUS

| | | | |
|--|---|--|-----------------------------------|
| Mammary Gland Note: ECTASIA TGLs = 3-7 | Acinus | Ectasia | Moderate |
| Nose | Olfactory Epi Respirat Epith Mucosa | Degeneration Degeneration Inflammation | Mild Minimal Acute, Minimal |
| Pancreas | Acinus | Atrophy | Mild |
| Parathyroid Gland | | Hypertrophy | Mild |
| Pituitary Gland Note: ADENOMA TGLs = 9-1 | Pars Distalis | Adenoma | |
| Preputial Gland | | Inflammation | Chronic, Mild |
| Prostate Note: INFLAMMATION TGLs = 4-15 | | Inflammation | Chronic Active, Marked |
| Skin Note: CYST EPITH INC TGLs = 2-14 Note: TGL # 2 - (TISSUE, NOS) = SKIN | | Cyst Epithelial Inclusion | |
| Spleen | | Hematopoietic Cell Proliferation Leukemia Mononuclear Pigmentation | Mild Mild |
| Testes | Interstit Cell Artery | Hyperplasia Inflammation | Minimal Chronic, Mild |
| Thyroid Gland | Follicle | Ectasia | Mild |
| Urinary Bladder Note: INFLAMMATION TGLs = 5-4 | | Inflammation | Chronic, Marked |

PRIMARY CAUSE OF DEATH

-

Animal Note: TGL # 7 - (CAVITIES) - NST

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:11

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 125

TRT#: 5

SEX: Male

DAY ON TEST: 98

DOSE: 2.5%

DISP: Moribund

HISTO: A83027335

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 | Liver |
| Lymph Node - Mandibular | Lymph Node - Mesenteric | Nose | Pancreas |
| Parathyroid Gland | Pituitary Gland | Prostate | Salivary Glands |
| Seminal Vesicle | Spinal Cord | Stomach - Forestomach | Stomach - Glandular |
| Testes | Thymus | Trachea | Urinary Bladder |

MISSING

Mammary Gland

OBSERVATIONS

| | | | |
|------------------------------|------|----------------------------------|---------------|
| Heart | | Cardiomyopathy | Chronic, Mild |
| Lung | | Congestion | Mild |
| Preputial Gland | Duct | Ectasia | Marked |
| Skin | | Ulcer | Marked |
| Note: ULCER INVOLVES PREPUCE | | | |
| Spleen | | Hematopoietic Cell Proliferation | Minimal |
| Thyroid Gland | | Ultimobranchial Cyst | |
| Urethra | | Calculus Micro Observation Only | |

PRIMARY CAUSE OF DEATH

-

Animal Note: COD-UNKNOWN

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:11

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 126

TRT#: 5

SEX: Male

DAY ON TEST: 734

DOSE: 2.5%

DISP: Terminal Sacrifice

HISTO: A85-0245

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

| | | | |
|-----------------|-------------------|----------------------------------|----------------------|
| Adrenal Gland | Cortex | Hyperplasia | Mild |
| Heart | | Cardiomyopathy | Chronic, Moderate |
| Intestine Large | Colon | Parasite Metazoan | |
| Kidney | | Nephropathy | Chronic, Marked |
| | Renal Tubule | Pigmentation | Mild |
| Liver | Bile Duct | Hyperplasia | Mild |
| | Portal | Inflammation | Chronic, Mild |
| Lymph Node | Mandibular | Hyperplasia | Lymphoid, Mild |
| Nose | Olfactory Epi | Degeneration | Mild |
| | Lumen | Hemorrhage | Minimal |
| Pancreas | Acinus | Atrophy | Minimal |
| Pituitary Gland | Pars Distalis | Hyperplasia | Mild |
| Preputial Gland | | Inflammation | Chronic Active, Mild |
| Prostate | | Inflammation | Chronic Active, Mild |
| Spleen | | Hematopoietic Cell Proliferation | Minimal |
| | | Pigmentation | Mild |
| Stomach | Glandular, Mucosa | Dilatation | Mild |
| Testes | Interstit Cell | Adenoma | |
| Note: ADENOMA | TGLs = 1-7 | | |
| Thyroid Gland | C Cell | Hyperplasia | Mild |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:11

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 127

TRT#: 5

SEX: Male

DAY ON TEST: 695

DOSE: 2.5%

DISP: Dead

HISTO: A85-0246

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 | Mammary Gland | Parathyroid Gland |
| Salivary Glands | Seminal Vesicle | Skin | Stomach - Forestomach |
| Stomach - Glandular | Trachea | Urinary Bladder | |

OBSERVATIONS

| | | | |
|---------------------------------|---------------|----------------------|-------------------|
| Adrenal Gland | Cortex | Leukemia Mononuclear | |
| | Medulla | Leukemia Mononuclear | |
| Bone Marrow | | Leukemia Mononuclear | |
| Brain | | Leukemia Mononuclear | |
| Note: COD - LEUKEMIA, MONUC | | | |
| Heart | | Cardiomyopathy | Chronic, Moderate |
| | | Leukemia Mononuclear | |
| Kidney | | Leukemia Mononuclear | |
| | | Nephropathy | Chronic, Mild |
| | | Pigmentation | Mild |
| Liver | Renal Tubule | Inflammation | Chronic, Mild |
| | Portal | Leukemia Mononuclear | |
| Note: LEUKEMIA MONUC TGLs = 5-2 | | | |
| Lung | | Leukemia Mononuclear | |
| Lymph Node | Mandibular | Leukemia Mononuclear | |
| | Mediastinal | Leukemia Mononuclear | |
| | Mesenteric | Leukemia Mononuclear | |
| | Pancreatic | Leukemia Mononuclear | |
| Note: LEUKEMIA MONUC TGLs = 3-4 | | | |
| Nose | Olfactory Epi | Degeneration | Mild |
| Pancreas | Acinus | Atrophy | Mild |
| | | Leukemia Mononuclear | |
| Pituitary Gland | Pars Distalis | Adenoma | |
| Preputial Gland | | Inflammation | Chronic, Mild |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014
Time Report Requested: 08:21:11
First Dose M/F: NA / NA
Lab: SRI

| | | | |
|-----------------------|-------------------------------------|---------------------------------------|---|
| ANIMAL ID: 127 | TRT#: 5 DOSE: 2.5% | SEX: Male DISP: Dead | DAY ON TEST: 695 HISTO: A85-0246 |
|-----------------------|-------------------------------------|---------------------------------------|---|

ORGAN AND ACCOUNTABLE SITE STATUS

| | | | |
|----------------------|----------------|----------------------|----------------------|
| Prostate | | Inflammation | Chronic Active, Mild |
| Spleen | | Leukemia Mononuclear | |
| Note: LEUKEMIA MONUC | TGLs = 4-13 | | |
| Testes | Interstit Cell | Adenoma | |
| Note: ADENOMA | TGLs = 2-6 | | |
| Thymus | | Leukemia Mononuclear | |
| Thyroid Gland | Follicle | Ectasia | Mild |

PRIMARY CAUSE OF DEATH

-

Animal Note: TGL # 1 - (CARCASS) - NST

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:11

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 128

TRT#: 5

SEX: Male

DAY ON TEST: 734

DOSE: 2.5%

DISP: Terminal Sacrifice

HISTO: A85-0247

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

| | | | |
|----------------------------------|----------------|----------------------------------|----------------|
| Heart | | Cardiomyopathy | Chronic, Mild |
| Islets, Pancreatic | | Hyperplasia | Mild |
| Kidney | | Nephropathy | Chronic, Mild |
| | Renal Tubule | Pigmentation | Mild |
| Liver | | Basophilic Focus | |
| | | Developmental Malformation | |
| | Bile Duct | Hyperplasia | Mild |
| | Portal | Inflammation | Chronic, Mild |
| Note: DEVELOP MALFOR TGLs = 2-13 | | | |
| Lung | Arteriole | Mineralization | Minimal |
| Lymph Node | Mediastinal | Congestion | Mild |
| | Mandibular | Hyperplasia | Lymphoid, Mild |
| Nose | Olfactory Epi | Degeneration | Mild |
| | Lumen | Hemorrhage | Mild |
| Pancreas | Acinus | Atrophy | Moderate |
| | Acinus | Hyperplasia | Moderate |
| Spleen | | Hematopoietic Cell Proliferation | Mild |
| | | Pigmentation | Mild |
| Testes | Interstit Cell | Adenoma | |
| Note: ADENOMA TGLs = 1-6 | | | |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:11

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 129

TRT#: 5

SEX: Male

DAY ON TEST: 613

DOSE: 2.5%

DISP: Moribund

HISTO: A85-0248

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|---------------------------|--------------------|-----------------|----------------------------|
| Bone | Epididymis | Esophagus | Intestine Small - Duodenum |
| Intestine Small - Jejunum | Islets, Pancreatic | Pancreas | Parathyroid Gland |
| Preputial Gland | Salivary Glands | Seminal Vesicle | Skin |
| Stomach - Forestomach | Thyroid Gland | Trachea | |

OBSERVATIONS

| | | | |
|----------------------|-----------------|----------------------------|---------------|
| Adrenal Gland | Cortex | Degeneration | Fatty, Mild |
| | Cortex | Leukemia Mononuclear | |
| | Medulla | Leukemia Mononuclear | |
| | Medulla | Pheochromocytoma Benign | |
| Bone Marrow | | Leukemia Mononuclear | |
| Brain | | Hemorrhage | Marked |
| | | Leukemia Mononuclear | |
| Note: HEMORRHAGE | TGLs = 6-1 | | |
| Heart | | Leukemia Mononuclear | |
| Intestine Large | Cecum | Leukemia Mononuclear | |
| | Colon | Leukemia Mononuclear | |
| | Rectum | Leukemia Mononuclear | |
| Intestine Small | Ileum | Leukemia Mononuclear | |
| Kidney | | Leukemia Mononuclear | |
| | | Nephropathy | Chronic, Mild |
| | Renal Tubule | Pigmentation | Mild |
| Liver | | Developmental Malformation | |
| | Bile Duct | Hyperplasia | Mild |
| | Portal | Inflammation | Chronic, Mild |
| | | Leukemia Mononuclear | |
| Note: DEVELOP MALFOR | TGLs = 4-13 | | |
| Note: LEUKEMIA MONUC | TGLs = 3,5-2+13 | | |
| Lung | | Leukemia Mononuclear | |
| | Arteriole | Mineralization | Mild |
| Lymph Node | Mandibular | Leukemia Mononuclear | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:11

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 130

TRT#: 5

SEX: Male

DAY ON TEST: 734

DOSE: 2.5%

DISP: Terminal Sacrifice

HISTO: A85-0249

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Thymus

OBSERVATIONS

| | | | |
|-------------------------------|-------------------------------------|--|-------------------------------|
| Adrenal Gland | Cortex Medulla | Degeneration Hyperplasia | Fatty, Mild Minimal |
| Heart | | Cardiomyopathy | Chronic, Mild |
| Kidney | | Nephropathy | Chronic, Marked |
| Liver | Renal Tubule Bile Duct Portal | Pigmentation Hyperplasia Inflammation Leukemia Mononuclear | Mild Mild Chronic, Mild |
| Lung | Arteriole | Mineralization | Mild |
| Lymph Node | Mandibular | Hyperplasia | Lymphoid, Mild |
| Mammary Gland | Acinus | Ectasia | Moderate |
| Note: ECTASIA TGLs = 1-13 | | | |
| Nose | Olfactory Epi | Degeneration | Minimal |
| Pituitary Gland | Pars Distalis | Adenoma | |
| Note: ADENOMA TGLs = 3-1 | | | |
| Preputial Gland | | Inflammation | Chronic Active, Marked |
| Prostate | | Inflammation | Chronic Active, Moderate |
| Note: INFLAMMATION TGLs = 2-6 | | | |
| Spleen | | Fibrosis Hematopoietic Cell Proliferation Leukemia Mononuclear | Mild Minimal |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:11

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 130

TRT#: 5

SEX: Male

DAY ON TEST: 734

DOSE: 2.5%

DISP: Terminal Sacrifice

HISTO: A85-0249

ORGAN AND ACCOUNTABLE SITE STATUS

Stomach

Glandular, Mucosa

Pigmentation

Mild

Testes

Artery

Dilatation

Mild

Inflammation

Chronic, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:11

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 136

TRT#: 5

SEX: Male

DAY ON TEST: 734

DOSE: 2.5%

DISP: Terminal Sacrifice

HISTO: A85-0255

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

| | | | |
|-----------------|-------------------|----------------------------------|----------------------|
| Adrenal Gland | Cortex | Degeneration | Fatty, Mild |
| | Cortex | Leukemia Mononuclear | |
| | Medulla | Leukemia Mononuclear | |
| | Medulla | Pheochromocytoma Malignant | |
| Heart | | Cardiomyopathy | Chronic, Moderate |
| Kidney | | Nephropathy | Chronic, Moderate |
| | Renal Tubule | Pigmentation | Mild |
| Liver | Bile Duct | Hyperplasia | Mild |
| | Portal | Inflammation | Chronic, Mild |
| | | Leukemia Mononuclear | |
| Lung | Arteriole | Mineralization | Mild |
| Lymph Node | Mandibular | Cyst | |
| | Mandibular | Hyperplasia | Lymphoid, Mild |
| Mammary Gland | Acinus | Ectasia | Mild |
| Nose | Olfactory Epi | Degeneration | Minimal |
| | Lumen | Hemorrhage | Mild |
| Pancreas | Acinus | Atrophy | Mild |
| Pituitary Gland | Pars Distalis | Hyperplasia | Minimal |
| Preputial Gland | | Inflammation | Chronic Active, Mild |
| Prostate | | Inflammation | Chronic Active, Mild |
| Spleen | | Hematopoietic Cell Proliferation | Minimal |
| | | Leukemia Mononuclear | |
| Stomach | Glandular, Mucosa | Dilatation | Mild |
| | Forestomach | Mineralization | Moderate |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:11

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 136

TRT#: 5

SEX: Male

DAY ON TEST: 734

DOSE: 2.5%

DISP: Terminal Sacrifice

HISTO: A85-0255

ORGAN AND ACCOUNTABLE SITE STATUS

Testes

Note: ADENOMA

TGLs = 1-6

Glandular
Interstit Cell

Mineralization
Adenoma

Moderate

Thyroid Gland

C Cell

Hyperplasia

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:11

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 137

TRT#: 5

SEX: Male

DAY ON TEST: 708

DOSE: 2.5%

DISP: Moribund

HISTO: A85-0256

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 |
| Mammary Gland | Parathyroid Gland | Salivary Glands | Seminal Vesicle |
| Skin | Stomach - Forestomach | Thyroid Gland | Trachea |

MISSING

Thymus

OBSERVATIONS

| | | | |
|---------------------------------|---------------|----------------------|-------------------|
| Adrenal Gland | Medulla | Hyperplasia | Mild |
| | Cortex | Leukemia Mononuclear | |
| | Medulla | Leukemia Mononuclear | |
| Note: COD - LEUKEMIA, MONUC | | | |
| Heart | | Cardiomyopathy | Chronic, Moderate |
| Kidney | | Nephropathy | Chronic, Moderate |
| | Renal Tubule | Pigmentation | Mild |
| Liver | Bile Duct | Hyperplasia | Moderate |
| | Portal | Inflammation | Chronic, Mild |
| | | Leukemia Mononuclear | |
| | | Necrosis | Mild |
| Note: LEUKEMIA MONUC TGLs = 5-2 | | | |
| Lung | | Leukemia Mononuclear | |
| | Arteriole | Mineralization | Mild |
| Lymph Node | Mandibular | Cyst | |
| | Mandibular | Leukemia Mononuclear | |
| | Mediastinal | Leukemia Mononuclear | |
| | Mesenteric | Leukemia Mononuclear | |
| Nose | Olfactory Epi | Degeneration | Mild |
| Pancreas | Acinus | Atrophy | Moderate |
| | | Leukemia Mononuclear | |
| Pituitary Gland | Pars Distalis | Adenoma | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:11

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 137

TRT#: 5

SEX: Male

DAY ON TEST: 708

DOSE: 2.5%

DISP: Moribund

HISTO: A85-0256

ORGAN AND ACCOUNTABLE SITE STATUS

| | | | | |
|--|--------------------------|--|--|--|
| Note: ADENOMA Preputial Gland | TGLs = 7-1 | Pars Distalis | Leukemia Mononuclear | |
| Note: CARCINOMA Note: INFLAMMATION | TGLs = 1-8 TGLs = 1-8 | | Carcinoma Inflammation | Chronic Active, Marked |
| Prostate Spleen | | | Inflammation Fibrosis Leukemia Mononuclear Pigmentation | Chronic Active, Mild Moderate Mild |
| Note: FIBROSIS Note: LEUKEMIA MONUC | TGLs = 4-2 TGLs = 3-2 | Glandular, Mucosa Interstitial Cell | Dilatation Adenoma | Mild |
| Note: ADENOMA Urinary Bladder | TGLs = 2-6 | | Leukemia Mononuclear | |

PRIMARY CAUSE OF DEATH

-

Animal Note: TGL # 6 - (CARCASS) - NST

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:11

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 138

TRT#: 5

SEX: Male

DAY ON TEST: 640

DOSE: 2.5%

DISP: Moribund

HISTO: A85-0257

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

MISSING

Thymus

OBSERVATIONS

| | | | |
|----------------------------------|---------------|------------------|---------------|
| Adrenal Gland | Medulla | Hyperplasia | Mild |
| Heart | | Cardiomyopathy | Chronic, Mild |
| Kidney | | Nephropathy | Chronic, Mild |
| | Renal Tubule | Pigmentation | Mild |
| Liver | | Basophilic Focus | |
| | Bile Duct | Hyperplasia | Mild |
| | Portal | Inflammation | Chronic, Mild |
| | | Necrosis | Mild |
| Lung | Arteriole | Mineralization | Mild |
| Lymph Node | Mandibular | Congestion | Moderate |
| | Mediastinal | Congestion | Mild |
| | Mesenteric | Congestion | Mild |
| | Mesenteric | Inflammation | Acute, Marked |
| Note: INFLAMMATION | TGLs = 6-14 | | |
| Mesentery | | | |
| Note: TGL # 6 = MESENTERIC L. N. | | | |
| Nose | Olfactory Epi | Degeneration | Mild |
| | Mucosa | Inflammation | Acute, Mild |
| Pancreas | | | |
| Note: TGL # 3 - NCL | | | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014
Time Report Requested: 08:21:11
First Dose M/F: NA / NA
Lab: SRI

| | | | |
|-----------------------|-------------------------------------|---|---|
| ANIMAL ID: 138 | TRT#: 5 DOSE: 2.5% | SEX: Male DISP: Moribund | DAY ON TEST: 640 HISTO: A85-0257 |
|-----------------------|-------------------------------------|---|---|

ORGAN AND ACCOUNTABLE SITE STATUS

| | | | |
|--|----------------|--------------|----------------------|
| Preputial Gland Note: CARCINOMA TGLs = 1-13 | | Carcinoma | |
| Prostate | | Inflammation | Chronic Active, Mild |
| Spleen Note: FIBROSIS TGLs = 4-2 | | Fibrosis | Moderate |
| Testes Note: ADENOMA TGLs = 2-6 | Interstit Cell | Adenoma | |
| Tissue NOS Note: TGL # 1 = PREPUTIAL GL. | | | |

PRIMARY CAUSE OF DEATH -

Animal Note: COD - UNKNOWN

Animal Note: TGL # 5 - (CAVITIES) - NST

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:11

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 139

TRT#: 5

SEX: Male

DAY ON TEST: 734

DOSE: 2.5%

DISP: Terminal Sacrifice

HISTO: A85-0258

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 |
| Lymph Node - Mesenteric | Pancreas | Parathyroid Gland | Pituitary Gland |
| Salivary Glands | Seminal Vesicle | Stomach - Forestomach | Stomach - Glandular |
| Trachea | Urinary Bladder | | |

MISSING

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

OBSERVATIONS

| | | | |
|--|----------------|----------------------------------|--------------------------|
| Adrenal Gland | Medulla | Hyperplasia | Minimal |
| Heart | | Cardiomyopathy | Chronic, Mild |
| Intestine Large | Rectum | Parasite Metazoan | |
| Kidney | | Nephropathy | Chronic, Marked |
| | Renal Tubule | Pigmentation | Mild |
| Liver | Bile Duct | Hyperplasia | Mild |
| | Portal | Inflammation | Chronic, Mild |
| Lung | Alveolus | Infiltration Cellular | Histiocyte, Mild |
| | Arteriole | Mineralization | Mild |
| Lymph Node | Mandibular | Cyst | |
| | Mandibular | Hyperplasia | Lymphoid, Mild |
| Mesentery | Fat | Necrosis | Marked |
| Note: NECROSIS TGLs = 2-13 | | | |
| Nose | Olfactory Epi | Degeneration | Mild |
| Preputial Gland | | Inflammation | Chronic Active, Moderate |
| Prostate | | Inflammation | Chronic Active, Mild |
| Skin | | Inflammation | Chronic Active, Mild |
| Note: INFLAMMATION - BL. # 10 - HAIR FOLLICLE. | | | |
| Spleen | | Hematopoietic Cell Proliferation | Minimal |
| | | Pigmentation | Mild |
| Testes | Interstit Cell | Adenoma | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:11

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 139

TRT#: 5

SEX: Male

DAY ON TEST: 734

DOSE: 2.5%

DISP: Terminal Sacrifice

HISTO: A85-0258

ORGAN AND ACCOUNTABLE SITE STATUS

Necrosis

Marked

Note: ADENOMA TGLs = 1-6

Note: NECROSIS TGLs = 1-6

Thyroid Gland C Cell

Adenoma

Note: ADENOMA TGLs = 3-3

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:11

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 140

TRT#: 5

SEX: Male

DAY ON TEST: 734

DOSE: 2.5%

DISP: Terminal Sacrifice

HISTO: A85-0259

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Intestine Large - Rectum

OBSERVATIONS

| | | | |
|-----------------|-------------------|----------------------------------|----------------------|
| Adrenal Gland | Cortex | Degeneration | Fatty, Mild |
| | Medulla | Pheochromocytoma Benign | |
| Heart | | Cardiomyopathy | Chronic, Moderate |
| Kidney | | Nephropathy | Chronic, Mild |
| | Renal Tubule | Pigmentation | Mild |
| Liver | | Basophilic Focus | |
| | Bile Duct | Hyperplasia | Mild |
| | Portal | Inflammation | Chronic, Mild |
| Lung | Arteriole | Mineralization | Mild |
| Mesentery | Fat | Necrosis | Marked |
| Note: NECROSIS | TGLs = 2-13 | | |
| Nose | Olfactory Epi | Degeneration | Mild |
| | Lumen | Hemorrhage | Mild |
| | Nasolacrim Dct | Inflammation | Acute, Mild |
| Pancreas | Acinus | Atrophy | Mild |
| Preputial Gland | | Inflammation | Chronic, Mild |
| Prostate | | Inflammation | Chronic Active, Mild |
| Spleen | | Hematopoietic Cell Proliferation | Mild |
| | | Pigmentation | Mild |
| Stomach | Glandular, Mucosa | Dilatation | Mild |
| Testes | Interstit Cell | Adenoma | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:11

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 140

TRT#: 5

SEX: Male

DAY ON TEST: 734

DOSE: 2.5%

DISP: Terminal Sacrifice

HISTO: A85-0259

ORGAN AND ACCOUNTABLE SITE STATUS

Note: ADENOMA TGLs = 1-6
Thyroid Gland

C Cell

Adenoma

Note: ADENOMA TGLs = 3-3

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:11

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 141

TRT#: 5

SEX: Male

DAY ON TEST: 734

DOSE: 2.5%

DISP: Terminal Sacrifice

HISTO: A85-0260

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|----------------------------|---------------------------|-------------------------|--------------------------|
| Adrenal Gland - Medulla | Bone | Bone Marrow | Brain |
| Epididymis | Esophagus | Intestine Large - Cecum | Intestine Large - Rectum |
| Intestine Small - Duodenum | Intestine Small - Jejunum | Islets, Pancreatic | Pancreas |
| Parathyroid Gland | Pituitary Gland | Prostate | Salivary Glands |
| Seminal Vesicle | Stomach - Forestomach | Thymus | Trachea |
| Urinary Bladder | | | |

MISSING

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

OBSERVATIONS

| | | | |
|----------------------------------|--------------|----------------------------|-------------------|
| Adrenal Gland | Cortex | Hyperplasia | Mild |
| Heart | | Cardiomyopathy | Chronic, Mild |
| Intestine Large | Colon | Diverticulum | Moderate |
| | Colon | Metaplasia | Osseous, Moderate |
| Note: DIVERTICULUM TGLs = 3-14 | | | |
| Kidney | Renal Tubule | Nephropathy | Chronic, Mild |
| | | Pigmentation | Mild |
| Liver | | Basophilic Focus | |
| | | Developmental Malformation | |
| | Bile Duct | Hyperplasia | Mild |
| | Portal | Inflammation | Chronic, Mild |
| Note: DEVELOP MALFOR TGLs = 4-15 | | | |
| Lung | | Hemorrhage | Mild |
| Lymph Node | Mesenteric | Cyst | |
| | Mandibular | Hyperplasia | Lymphoid, Mild |
| Note: CYST TGLs = 2-13 | | | |
| Mesentery | | | |
| Note: TGL # 2 = MESENTERIC L.N. | | | |
| Nose | Lumen | Hemorrhage | Mild |
| | Mucosa | Inflammation | Acute, Moderate |
| Preputial Gland | | Inflammation | Chronic, Mild |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014
Time Report Requested: 08:21:11
First Dose M/F: NA / NA
Lab: SRI

| | | | |
|-----------------------|-------------------------------------|---|---|
| ANIMAL ID: 141 | TRT#: 5 DOSE: 2.5% | SEX: Male DISP: Terminal Sacrifice | DAY ON TEST: 734 HISTO: A85-0260 |
|-----------------------|-------------------------------------|---|---|

ORGAN AND ACCOUNTABLE SITE STATUS

| | | | |
|---|-------------------|--|-------------------|
| Skin Note: INFLAMMATION - BL. # 11 (HAIR FOLLICLE) | | Inflammation | Chronic, Moderate |
| Spleen | | Hematopoietic Cell Proliferation Pigmentation | Mild Mild |
| Stomach | Glandular, Mucosa | Dilatation | Mild |
| Testes Note: ADENOMA TGLs = 1-6 | Interstit Cell | Adenoma | |
| Thyroid Gland | C Cell | Hyperplasia | Mild |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:11

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 142

TRT#: 5

SEX: Male

DAY ON TEST: 503

DOSE: 2.5%

DISP: Dead

HISTO: A84031017

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|--------------------------|----------------------------|---------------------------|-------------------------|
| Bone | Epididymis | Esophagus | Intestine Large - Colon |
| Intestine Large - Rectum | Intestine Small - Duodenum | Intestine Small - Jejunum | Nose |
| Parathyroid Gland | Skin | Thyroid Gland | Trachea |

AUTO PRECLUDES DIAG.

Intestine Large - Cecum

INSUFFICIENT TISSUE

Intestine Small - Ileum

OBSERVATIONS

| | | | |
|----------------------|-------------|----------------------|----------------|
| Adrenal Gland | Cortex | Degeneration | Fatty, Minimal |
| | Cortex | Leukemia Mononuclear | |
| | Medulla | Leukemia Mononuclear | |
| Bone Marrow | | Leukemia Mononuclear | |
| Brain | | Leukemia Mononuclear | |
| Heart | | Leukemia Mononuclear | |
| Islets, Pancreatic | | Leukemia Mononuclear | |
| Kidney | | Leukemia Mononuclear | |
| | | Nephropathy | Chronic, Mild |
| Liver | Bile Duct | Hyperplasia | Minimal |
| | | Leukemia Mononuclear | |
| Note: LEUKEMIA MONUC | TGLs = 8-5 | | |
| Lung | | Leukemia Mononuclear | |
| | Arteriole | Mineralization | Mild |
| Lymph Node | Axillary | Leukemia Mononuclear | |
| | Iliac | Leukemia Mononuclear | |
| | Mandibular | Leukemia Mononuclear | |
| | Mediastinal | Leukemia Mononuclear | |
| | Mesenteric | Leukemia Mononuclear | |
| | Pancreatic | Leukemia Mononuclear | |
| | Renal | Leukemia Mononuclear | |

Note: LEUKEMIA MONUC TGLs = 2-21

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:11

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 142

TRT#: 5

DOSE: 2.5%

SEX: Male

DISP: Dead

DAY ON TEST: 503

HISTO: A84031017

ORGAN AND ACCOUNTABLE SITE STATUS

Note: CAUSE OF DEATH- LEUKEMIA MONUC.

[Leukemia Mononuclear TGLS = 4-22]

[Leukemia Mononuclear TGLS = 7-6.1]

[Leukemia Mononuclear TGLS = 10-24]

[Leukemia Mononuclear TGLS = 1-2.1]

[Leukemia Mononuclear TGLS = 9-23]

Mammary Gland

Duct

Ectasia

Mild

Pancreas

Leukemia Mononuclear

Pituitary Gland

Pars Distalis

Leukemia Mononuclear

Preputial Gland

Leukemia Mononuclear

Prostate

Inflammation

Acute, Marked

Salivary Glands

Leukemia Mononuclear

Seminal Vesicle

Leukemia Mononuclear

Skeletal Muscle

Leukemia Mononuclear

Spleen

Leukemia Mononuclear

Note: LEUKEMIA MONUC TGLs = 5-2

Stomach

Glandular, Mucosa

Erosion

Moderate

Forestomach

Leukemia Mononuclear

Glandular

Leukemia Mononuclear

Testes

Interstit Cell

Adenoma

Interstit Cell

Hyperplasia

Moderate

Note: ADENOMA TGLs = 3-7

Thymus

Leukemia Mononuclear

Note: LEUKEMIA MONUC TGLs = 11-25

Urinary Bladder

Leukemia Mononuclear

PRIMARY CAUSE OF DEATH

-

Animal Note: TGL 6 (CAVITIES)-NST.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:11

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 143

TRT#: 5

SEX: Male

DAY ON TEST: 701

DOSE: 2.5%

DISP: Moribund

HISTO: A85-0262

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

| | | | |
|--------------------|---------------|-------------------------|--------------------|
| Adrenal Gland | Cortex | Degeneration | Fatty, Mild |
| | Cortex | Hyperplasia | Mild |
| | Medulla | Hyperplasia | Mild |
| | Medulla | Pheochromocytoma Benign | |
| Brain | | Compression | Mild |
| Heart | | Cardiomyopathy | Chronic, Mild |
| Intestine Large | Colon | Parasite Metazoan | |
| Kidney | | Nephropathy | Chronic, Marked |
| | Renal Tubule | Pigmentation | Mild |
| Liver | | Basophilic Focus | |
| | Bile Duct | Hyperplasia | Mild |
| | Portal | Inflammation | Chronic, Mild |
| Lung | Alveolus | Infiltration Cellular | Histiocyte, Mild |
| | Arteriole | Mineralization | Mild |
| Lymph Node | Mandibular | Hyperplasia | Lymphoid, Moderate |
| Mammary Gland | Acinus | Ectasia | Mild |
| | | Fibroadenoma | |
| Note: ECTASIA | TGLs = 1-7 | | |
| Note: FIBROADENOMA | TGLs = 2-14 | | |
| Mesentery | Fat | Necrosis | Marked |
| Note: NECROSIS | TGLs = 4-13 | | |
| Nose | Olfactory Epi | Degeneration | Minimal |
| Pituitary Gland | Pars Distalis | Adenoma | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014
Time Report Requested: 08:21:11
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 143

TRT#: 5

SEX: Male

DAY ON TEST: 701

DOSE: 2.5%

DISP: Moribund

HISTO: A85-0262

ORGAN AND ACCOUNTABLE SITE STATUS

Note: COD - ADENOMA

Note: ADENOMA TGLs = 5-1

Preputial Gland

Prostate

Spleen

Inflammation

Inflammation

Hematopoietic Cell Proliferation

Pigmentation

Dilatation

Adenoma

Chronic, Moderate

Chronic Active, Mild

Minimal

Mild

Mild

Stomach

Glandular, Mucosa

Testes

Interstit Cell

Note: ADENOMA TGLs = 3-6

Tissue NOS

Note: TGL # 2 = MAMMARY GL.

PRIMARY CAUSE OF DEATH

-

Animal Note: TGL # 2 IN BLOCK # 14.

Animal Note: TGL # 4 IN BLOCK # 13.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:11

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 144

TRT#: 5

SEX: Male

DAY ON TEST: 606

DOSE: 2.5%

DISP: Moribund

HISTO: A85-0263

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|-------------------------|--------------------------|---------------------------|-------------------------|
| Bone | Epididymis | Esophagus | Intestine Large - Cecum |
| Intestine Large - Colon | Intestine Large - Rectum | Intestine Small - Jejunum | Islets, Pancreatic |
| Mammary Gland | Parathyroid Gland | Skin | Stomach - Forestomach |
| Stomach - Glandular | Thyroid Gland | Trachea | |

OBSERVATIONS

| | | | |
|----------------------|--------------|----------------------|-------------------|
| Adrenal Gland | Cortex | Degeneration | Fatty, Mild |
| | Cortex | Leukemia Mononuclear | |
| | Medulla | Leukemia Mononuclear | |
| Bone Marrow | | Leukemia Mononuclear | |
| Brain | | Hemorrhage | Marked |
| | | Leukemia Mononuclear | |
| Note: HEMORRHAGE | TGLs = 8-1 | | |
| Heart | | Leukemia Mononuclear | |
| Intestine Small | Duodenum | Leukemia Mononuclear | |
| | Ileum | Leukemia Mononuclear | |
| Kidney | | Leukemia Mononuclear | |
| | | Nephropathy | Chronic, Moderate |
| | Renal Tubule | Pigmentation | Mild |
| Liver | Bile Duct | Hyperplasia | Moderate |
| | Portal | Inflammation | Chronic, Moderate |
| | | Leukemia Mononuclear | |
| Note: LEUKEMIA MONUC | TGLs = 7-2 | | |
| Lung | | Leukemia Mononuclear | |
| | Arteriole | Mineralization | Mild |
| Lymph Node | Axillary | Leukemia Mononuclear | |
| | Mandibular | Leukemia Mononuclear | |
| | Mediastinal | Leukemia Mononuclear | |
| | Mesenteric | Leukemia Mononuclear | |
| Note: LEUKEMIA MONUC | TGLs = 3-7 | | |
| Note: LEUKEMIA MONUC | TGLs = 2-13 | | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:11

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 144

TRT#: 5

SEX: Male

DAY ON TEST: 606

DOSE: 2.5%

DISP: Moribund

HISTO: A85-0263

ORGAN AND ACCOUNTABLE SITE STATUS

Note: LEUKEMIA MONUC TGLs = 6-14

Note: COD - LEUKEMIA, MONUC

[Leukemia Mononuclear TGLS = 9-3]

| | | | |
|---------------------------------|---------------------------------|--------------------------------------|--------------------------|
| Nose | Olfactory Epi Nasolacrim Dct | Degeneration Inflammation | Mild Acute, Mild |
| Pancreas | Acinus | Atrophy Leukemia Mononuclear | Moderate |
| Pituitary Gland | Pars Distalis Pars Distalis | Hyperplasia Leukemia Mononuclear | Mild |
| Preputial Gland | | Inflammation | Chronic, Mild |
| Prostate | | Inflammation Leukemia Mononuclear | Chronic Active, Moderate |
| Salivary Glands | | Leukemia Mononuclear | |
| Seminal Vesicle | | Leukemia Mononuclear | |
| Skin | | | |
| Note: TGL # 1 - NCL | | | |
| Spleen | | Leukemia Mononuclear | |
| Note: LEUKEMIA MONUC TGLs = 5-2 | | | |
| Testes | Interstit Cell | Adenoma | |
| Note: ADENOMA TGLs = 4-6 | | | |
| Thymus | | Leukemia Mononuclear | |
| Urinary Bladder | | Leukemia Mononuclear | |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:11

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 145

TRT#: 5

SEX: Male

DAY ON TEST: 734

DOSE: 2.5%

DISP: Terminal Sacrifice

HISTO: A85-0264

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Thymus

OBSERVATIONS

| | | | |
|-----------------|---------------|-----------------------|--------------------------|
| Adrenal Gland | Cortex | Hyperplasia | Mild |
| | Medulla | Hyperplasia | Mild |
| Heart | | Cardiomyopathy | Chronic, Mild |
| Kidney | | Nephropathy | Chronic, Marked |
| | Renal Tubule | Pigmentation | Mild |
| Liver | | Basophilic Focus | |
| | Bile Duct | Hyperplasia | Mild |
| | Portal | Inflammation | Chronic, Mild |
| | | Leukemia Mononuclear | |
| Lung | Alveolus | Infiltration Cellular | Histiocyte, Mild |
| Lymph Node | Mandibular | Hyperplasia | Lymphoid, Moderate |
| Nose | Olfactory Epi | Degeneration | Minimal |
| Pancreas | Acinus | Adenoma | |
| | Acinus | Hyperplasia | Mild |
| Note: ADENOMA | TGLs = 3-14 | | |
| Pituitary Gland | Pars Distalis | Adenoma | |
| | Pars Distalis | Hyperplasia | Mild |
| Preputial Gland | | Carcinoma | |
| | | Inflammation | Chronic, Mild |
| Note: CARCINOMA | TGLs = 1-13 | | |
| Prostate | | Inflammation | Chronic Active, Moderate |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014
Time Report Requested: 08:21:11
First Dose M/F: NA / NA
Lab: SRI

| | | | |
|-----------------------|-------------------------------------|---|---|
| ANIMAL ID: 145 | TRT#: 5 DOSE: 2.5% | SEX: Male DISP: Terminal Sacrifice | DAY ON TEST: 734 HISTO: A85-0264 |
|-----------------------|-------------------------------------|---|---|

ORGAN AND ACCOUNTABLE SITE STATUS

| | | | |
|---------------------|-------------------|--|-----------------|
| Spleen | | Fibrosis Hematopoietic Cell Proliferation Leukemia Mononuclear | Mild Minimal |
| Stomach | Glandular, Mucosa | Dilatation | Mild |
| Testes | Interstitial Cell | Adenoma | |
| Note: ADENOMA | TGLs = 2-6 | | |
| Thyroid GI | | | |
| Note: TGL # 4 - NCL | | | |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:11

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 146

TRT#: 5

SEX: Male

DAY ON TEST: 632

DOSE: 2.5%

DISP: Moribund

HISTO: A85-0265

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|-------------------------|----------------------------|---------------------------|--------------------|
| Bone | Brain | Epididymis | Esophagus |
| Intestine Large - Cecum | Intestine Small - Duodenum | Intestine Small - Jejunum | Islets, Pancreatic |
| Nose | Pancreas | Parathyroid Gland | Salivary Glands |
| Seminal Vesicle | Stomach - Forestomach | Thyroid Gland | Trachea |
| Urinary Bladder | | | |

OBSERVATIONS

| | | | |
|----------------------|--------------------|-------------------------|-----------------|
| Adrenal Gland | Cortex | Degeneration | Fatty, Mild |
| | Cortex | Leukemia Mononuclear | |
| | Medulla | Leukemia Mononuclear | |
| | Bilateral, Medulla | Pheochromocytoma Benign | |
| Blood | | Leukemia Mononuclear | |
| Note: LEUKEMIA MONUC | TGLs = 1-61 | | |
| Bone Marrow | | Leukemia Mononuclear | |
| Eye | | Cataract | Marked |
| | Retina | Degeneration | Marked |
| Note: DEGEN | TGLs = 2-16 | | |
| Note: CATARACT | TGLs = 2-16 | | |
| Heart | | Cardiomyopathy | Chronic, Mild |
| Intestine Large | Colon | Leukemia Mononuclear | |
| | Rectum | Parasite Metazoan | |
| Intestine Small | Ileum | Leukemia Mononuclear | |
| Kidney | | Leukemia Mononuclear | |
| | | Nephropathy | Chronic, Marked |
| | Renal Tubule | Pigmentation | Mild |
| Liver | Bile Duct | Hyperplasia | Mild |
| | Portal | Inflammation | Chronic, Mild |
| | | Leukemia Mononuclear | |
| Note: LEUKEMIA MONUC | TGLs = 7-4 | | |
| Lung | | Leukemia Mononuclear | |
| | Arteriole | Mineralization | Mild |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:11

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 146

TRT#: 5

DOSE: 2.5%

SEX: Male

DISP: Moribund

DAY ON TEST: 632

HISTO: A85-0265

ORGAN AND ACCOUNTABLE SITE STATUS

| | | | |
|-----------------------------|---|--|--------------------------|
| Lymph Node | Mandibular Mandibular Mediastinal Mesenteric | Cyst Leukemia Mononuclear Leukemia Mononuclear Leukemia Mononuclear | |
| Note: LEUKEMIA MONUC | TGLs = 5,6-14,2 | | |
| Note: LEUKEMIA MONUC | TGLs = 9-3 | | |
| Mammary Gland | Duct | Ectasia | Moderate |
| Pituitary Gland | Pars Distalis Pars Distalis | Adenoma Leukemia Mononuclear | |
| Note: ADENOMA | TGLs = 10-5 | | |
| Preputial Gland | | Inflammation | Chronic, Mild |
| Prostate | | Inflammation | Chronic Active, Moderate |
| Skin | | Inflammation | Chronic, Mild |
| Note: INFLAMMATION | TGLs = 3-13 | | |
| Spleen | | Leukemia Mononuclear | |
| Note: LEUKEMIA MONUC | TGLs = 4-15 | | |
| Note: COD - LEUKEMIA, MONUC | | | |
| Stomach | Glandular, Mucosa | Dilatation | Mild |
| Testes | | Atrophy | Mild |
| | Interstit Cell | Hyperplasia | Minimal |
| | Artery | Inflammation | Chronic, Mild |
| Thymus | | Leukemia Mononuclear | |
| Thyroid GI | | | |
| Note: TGL # 8 - NCL | | | |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:11

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 147

TRT#: 5

SEX: Male

DAY ON TEST: 589

DOSE: 2.5%

DISP: Moribund

HISTO: A85-0266

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 | Lymph Node - Mesenteric | Parathyroid Gland | Salivary Glands |
| Seminal Vesicle | Skin | Stomach - Forestomach | Thymus |
| Thyroid Gland | Trachea | Urinary Bladder | |

OBSERVATIONS

| | | | |
|---------------------|----------------|----------------------------------|--------------------------|
| Brain | | Compression | Mild |
| Note: COMPRESSION | TGLs = 3-1 | | |
| Heart | | Cardiomyopathy | Chronic, Mild |
| Kidney | | Nephropathy | Chronic, Mild |
| | Renal Tubule | Pigmentation | Mild |
| Liver | Bile Duct | Hyperplasia | Minimal |
| Lung | Arteriole | Mineralization | Mild |
| Lymph Node | Mandibular | Hyperplasia | Lymphoid, Mild |
| Mammary Gland | Acinus | Ectasia | Moderate |
| Nose | Olfactory Epi | Degeneration | Mild |
| | Respirat Epith | Degeneration | Minimal |
| | Lumen | Hemorrhage | Minimal |
| | Nasolacrim Dct | Inflammation | Acute, Mild |
| Pancreas | | Atrophy | Mild |
| Pituitary Gland | Pars Distalis | Adenoma | |
| Note: COD - ADENOMA | | | |
| Note: ADENOMA | TGLs = 2-1 | | |
| Preputial Gland | | Abscess | Marked |
| | | Inflammation | Chronic Active, Mild |
| Note: ABSCESS | TGLs = 1-13 | | |
| Prostate | | Inflammation | Chronic Active, Moderate |
| Spleen | | Hematopoietic Cell Proliferation | Mild |
| | | Pigmentation | Mild |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:11

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 147

TRT#: 5

SEX: Male

DAY ON TEST: 589

DOSE: 2.5%

DISP: Moribund

HISTO: A85-0266

ORGAN AND ACCOUNTABLE SITE STATUS

Stomach

Glandular, Mucosa

Dilatation

Mild

Testes

Interstit Cell

Hyperplasia

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:11

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 148

TRT#: 5

SEX: Male

DAY ON TEST: 675

DOSE: 2.5%

DISP: Moribund

HISTO: A85-0267

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Thymus

OBSERVATIONS

| | | | |
|--------------------------------|---------------|----------------------------------|------------------------|
| Adrenal Gland | Cortex | Hyperplasia | Mild |
| Blood | | | |
| Note: TGL # 1 - NCL | | | |
| Heart | | Cardiomyopathy | Chronic, Moderate |
| Kidney | | Nephropathy | Chronic, Mild |
| | Renal Tubule | Pigmentation | Mild |
| Liver | Bile Duct | Hyperplasia | Mild |
| | Portal | Inflammation | Chronic, Mild |
| Lung | Arteriole | Mineralization | Mild |
| Lymph Node | Mandibular | Hyperplasia | Lymphoid, Mild |
| Mammary Gland | | Fibroadenoma | |
| Note: FIBROADENOMA TGLs = 3-14 | | | |
| Nose | Olfactory Epi | Degeneration | Mild |
| Pituitary Gland | Pars Distalis | Adenoma | |
| Note: ADENOMA TGLs = 4-1 | | | |
| Preputial Gland | Duct | Ectasia | Moderate |
| Prostate | | Inflammation | Chronic Active, Marked |
| Skin | | Abscess | Marked |
| Note: ABSCESS TGLs = 2-13 | | | |
| Spleen | | Hematopoietic Cell Proliferation | Moderate |
| | | Hyperplasia | Lymphoid, Moderate |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014
Time Report Requested: 08:21:11
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 148

TRT#: 5
DOSE: 2.5%

SEX: Male
DISP: Moribund

DAY ON TEST: 675
HISTO: A85-0267

ORGAN AND ACCOUNTABLE SITE STATUS

| | | | |
|--------|----------------|-------------|---------|
| Testes | Interstit Cell | Hyperplasia | Minimal |
|--------|----------------|-------------|---------|

PRIMARY CAUSE OF DEATH

-

Animal Note: COD - UNKNOWN

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:11

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 149

TRT#: 5

SEX: Male

DAY ON TEST: 734

DOSE: 2.5%

DISP: Terminal Sacrifice

HISTO: A85-0268

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

| | | | |
|---|-------------------|----------------------------------|--------------------------|
| Adrenal Gland | Medulla | Hyperplasia | Minimal |
| | Medulla | Pheochromocytoma Benign | |
| | Cortex | Pigmentation | Mild |
| Eye | | Cataract | Marked |
| | Retina | Degeneration | Marked |
| Note: CATARACT | TGLs = 1-13 | | |
| Note: DEGEN | TGLs = 1-13 | | |
| Heart | | Cardiomyopathy | Chronic, Mild |
| Kidney | | Nephropathy | Chronic, Marked |
| | Renal Tubule | Pigmentation | Mild |
| Liver | | Basophilic Focus | |
| | Bile Duct | Hyperplasia | Mild |
| | Portal | Inflammation | Chronic, Mild |
| Lung | Arteriole | Mineralization | Mild |
| Lymph Node | Mandibular | Hyperplasia | Lymphoid, Mild |
| Note: MEDIASTINAL L. N. - WITHIN NORMAL LIMITS. | | | |
| Pituitary Gland | Pars Distalis | Hyperplasia | Mild |
| Preputial Gland | | Inflammation | Chronic Active, Moderate |
| Spleen | | Hematopoietic Cell Proliferation | Mild |
| | | Pigmentation | Mild |
| Stomach | Glandular, Mucosa | Dilatation | Mild |
| Testes | Interstit Cell | Adenoma | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:11

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 149

TRT#: 5

SEX: Male

DAY ON TEST: 734

DOSE: 2.5%

DISP: Terminal Sacrifice

HISTO: A85-0268

ORGAN AND ACCOUNTABLE SITE STATUS

Note: ADENOMA TGLs = 2-6

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:11

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 150

TRT#: 5

DOSE: 2.5%

SEX: Male

DISP: Moribund

DAY ON TEST: 724

HISTO: A85-0269

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex

Esophagus

Intestine Small - Duodenum

Lymph Node - Mesenteric

Stomach - Forestomach

Urinary Bladder

Bone Marrow

Intestine Large - Cecum

Intestine Small - Ileum

Parathyroid Gland

Stomach - Glandular

Brain

Intestine Large - Colon

Intestine Small - Jejunum

Salivary Glands

Thyroid Gland

Epididymis

Intestine Large - Rectum

Lung

Seminal Vesicle

Trachea

MISSING

Mammary Gland

Thymus

OBSERVATIONS

Adrenal Gland

Bilateral, Medulla

Pheochromocytoma Benign

Bone

Hyperostosis

Moderate

Note: HYPEROSTOSIS TGLs = 5-17.1

Eye

Cataract

Marked

Retina

Degeneration

Marked

Sclera

Mineralization

Marked

Note: DEGEN TGLs = 1-13

Note: CATARACT TGLs = 1-13

Heart

Cardiomyopathy

Chronic, Mild

Islets, Pancreatic

Adenoma

Kidney

Nephropathy

Chronic, Mild

Renal Tubule

Pigmentation

Mild

Liver

Basophilic Focus

Bile Duct

Hyperplasia

Mild

Portal

Inflammation

Chronic, Mild

Lymph Node

Mediastinal

Congestion

Mild

Mandibular

Hyperplasia

Lymphoid, Mild

Mesentery

Fat

Necrosis

Marked

Note: NECROSIS TGLs = 4-16

Nose

Lumen

Hemorrhage

Moderate

Pancreas

Acinus

Atrophy

Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:11

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 150

TRT#: 5

SEX: Male

DAY ON TEST: 724

DOSE: 2.5%

DISP: Moribund

HISTO: A85-0269

ORGAN AND ACCOUNTABLE SITE STATUS

Pituitary Gland
Preputial Gland

Pars Intermed

Adenoma
Inflammation
Squamous Cell Carcinoma

Chronic, Mild

Note: SQUAM CEL CARC TGLs = 3-15

Prostate
Skin

Inflammation
Keratoacanthoma

Chronic Active, Moderate

Note: COD - KERATOACANTHOMA

Note: KERATOACANTHMA TGLs = 2-14

Spleen

Hematopoietic Cell Proliferation

Mild

Testes

Interstit Cell

Adenoma

Tissue NOS

Note: TISSUE, NOS = SKIN & PREPUTIAL GL.

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:11

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 151

TRT#: 5

SEX: Male

DAY ON TEST: 637

DOSE: 2.5%

DISP: Moribund

HISTO: A85-0270

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|---------------------------|-------------------------|--------------------------|-------------------------|
| Adrenal Gland - Medulla | Bone | Bone Marrow | Brain |
| Esophagus | Intestine Large - Cecum | Intestine Large - Rectum | Intestine Small - Ileum |
| Intestine Small - Jejunum | Lymph Node - Mesenteric | Salivary Glands | Skin |
| Thymus | Trachea | Urinary Bladder | |

MISSING

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

OBSERVATIONS

| | | | |
|--------------------------------------|----------------|------------------------|------------------|
| Adrenal Gland | Cortex | Hyperplasia | Mild |
| Epididymis | | Mesothelioma Malignant | |
| Heart | | Cardiomyopathy | Chronic, Minimal |
| | Atrium Lft | Thrombosis | Mild |
| Intestine Large | Colon | Mesothelioma Malignant | |
| Intestine Small | Duodenum | Mesothelioma Malignant | |
| Kidney | | Nephropathy | Chronic, Mild |
| | Renal Tubule | Pigmentation | Moderate |
| Note: PIGMENT | TGLs = 5-5 | | |
| Liver | Bile Duct | Hyperplasia | Mild |
| | Portal | Inflammation | Chronic, Mild |
| | | Necrosis | Moderate |
| Note: NECROSIS | TGLs = 3-2 | | |
| Lung | Arteriole | Mineralization | Mild |
| Lymph Node | Mandibular | Hyperplasia | Lymphoid, Mild |
| | Mediastinal | Pigmentation | Mild |
| Mesentery | | Mesothelioma Malignant | |
| Note: MESOTHELIO MAL | TGLs = 1-13 | | |
| Note: COD - MESOTHELIO MA, MALIGNANT | | | |
| Nose | Olfactory Epi | Degeneration | Mild |
| | Nasolacrim Dct | Inflammation | Acute, Mild |
| Pancreas | | Mesothelioma Malignant | |
| Pituitary Gland | Pars Distalis | Adenoma | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:11

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 151

TRT#: 5

SEX: Male

DAY ON TEST: 637

DOSE: 2.5%

DISP: Moribund

HISTO: A85-0270

ORGAN AND ACCOUNTABLE SITE STATUS

| | | | |
|------------------------|-------------------|----------------------------------|--------------------------|
| Note: ADENOMA | TGLs = 4-1 | | |
| Preputial Gland | | Inflammation | Chronic Active, Mild |
| Prostate | | Inflammation | Chronic Active, Moderate |
| | | Mesothelioma Malignant | |
| Seminal Vesicle | | Mesothelioma Malignant | |
| Spleen | | Hematopoietic Cell Proliferation | Moderate |
| | | Hyperplasia | Lymphoid, Mild |
| Note: HYPERPLASIA | TGLs = 2-2 | | |
| Note: HEMA CELL PROL | TGLs = 2-2 | | |
| Stomach | Glandular, Mucosa | Dilatation | Mild |
| | Forestomach | Mineralization | Mild |
| Testes | | Atrophy | Mild |
| | Interstit Cell | Hyperplasia | Mild |
| | Tunic | Mesothelioma Malignant | |
| Thyroid Gland | C Cell | Hyperplasia | Mild |
| PRIMARY CAUSE OF DEATH | - | | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:11

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 152

TRT#: 5

DOSE: 2.5%

SEX: Male

DISP: Moribund

DAY ON TEST: 677

HISTO: A85-0271

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Intestine Small - Ileum

OBSERVATIONS

| | | | |
|------------------------------------|--------------|----------------------------|-------------------|
| Adrenal Gland | Cortex | Leukemia Mononuclear | |
| | Medulla | Leukemia Mononuclear | |
| | Medulla | Pheochromocytoma Benign | |
| | Medulla | Pheochromocytoma Malignant | |
| Note: [PHEOCHROM BGN] TGLs = 5-8 | | | |
| Bone Marrow | | Leukemia Mononuclear | |
| Heart | | Cardiomyopathy | Chronic, Moderate |
| Kidney | | Nephropathy | Chronic, Marked |
| | Renal Tubule | Pigmentation | Mild |
| Note: NEPHROPATHY TGLs = 6-5 | | | |
| Liver | | Developmental Malformation | |
| | Bile Duct | Hyperplasia | Mild |
| | Portal | Inflammation | Chronic, Mild |
| | | Leukemia Mononuclear | |
| Note: LEUKEMIA MONUC TGLs = 7-2 | | | |
| Note: DEVELOP MALFOR TGLs = 8-13 | | | |
| Lung | | Hemorrhage | Moderate |
| | | Leukemia Mononuclear | |
| Note: LEUKEMIA MONUC TGLs = 9-3 | | | |
| Note: HEMORRHAGE TGLs = 9-3 | | | |
| Lymph Node | Mandibular | Leukemia Mononuclear | |
| | Mesenteric | Leukemia Mononuclear | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:11

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 152

TRT#: 5

SEX: Male

DAY ON TEST: 677

DOSE: 2.5%

DISP: Moribund

HISTO: A85-0271

ORGAN AND ACCOUNTABLE SITE STATUS

Note: COD - LEUKEMIA, MONUC

Mammary Gland

Acinus

Ectasia

Mild

Nose

Nasolacrim Dct

Inflammation

Acute, Mild

Pancreas

Pituitary Gland

Pars Distalis

Leukemia Mononuclear

Hyperplasia

Mild

Preputial Gland

Inflammation

Chronic, Mild

Prostate

Inflammation

Chronic Active, Moderate

Skin

Note: TGL # 2 - NCL

Note: TGL # 1 - NCL

Spleen

Leukemia Mononuclear

Pigmentation

Mild

Note: LEUKEMIA MONUC TGLs = 4-2

Stomach

Glandular

Leukemia Mononuclear

Testes

Interstit Cell

Adenoma

Note: ADENOMA TGLs = 3-6

Thymus

Leukemia Mononuclear

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:11

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 153

TRT#: 5

SEX: Male

DAY ON TEST: 722

DOSE: 2.5%

DISP: Moribund

HISTO: A85-0272

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|-------------------------|--------------------------|----------------------------|-------------------------|
| Bone | Epididymis | Esophagus | Intestine Large - Cecum |
| Intestine Large - Colon | Intestine Large - Rectum | Intestine Small - Duodenum | Islets, Pancreatic |
| Parathyroid Gland | Seminal Vesicle | Skin | Testes |
| Trachea | Urinary Bladder | | |

MISSING

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

OBSERVATIONS

| | | | |
|----------------------------------|---------------|----------------------------|----------------------|
| Adrenal Gland | Cortex | Leukemia Mononuclear | |
| | Medulla | Leukemia Mononuclear | |
| Bone Marrow | | Leukemia Mononuclear | |
| Brain | | Leukemia Mononuclear | |
| Heart | | Leukemia Mononuclear | |
| Intestine Small | Ileum | Leukemia Mononuclear | |
| | Jejunum | Leukemia Mononuclear | |
| Kidney | Renal Tubule | Nephropathy | Chronic, Mild |
| | | Pigmentation | Mild |
| Note: NEPHROPATHY TGLs = 1-5 | | | |
| Note: PIGMENT TGLs = 1-5 | | | |
| Liver | Bile Duct | Developmental Malformation | |
| | Portal | Hyperplasia | Mild |
| | | Inflammation | Chronic, Mild |
| | | Leukemia Mononuclear | |
| Note: DEVELOP MALFOR TGLs = 4-13 | | | |
| Note: LEUKEMIA MONUC TGLs = 3-2 | | | |
| Lung | | Leukemia Mononuclear | |
| Lymph Node | Mandibular | Leukemia Mononuclear | |
| | Mesenteric | Leukemia Mononuclear | |
| Nose | Olfactory Epi | Degeneration | Mild |
| Pancreas | Acinus | Atrophy | Moderate |
| Preputial Gland | | Inflammation | Chronic Active, Mild |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:11

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 153

TRT#: 5

SEX: Male

DAY ON TEST: 722

DOSE: 2.5%

DISP: Moribund

HISTO: A85-0272

ORGAN AND ACCOUNTABLE SITE STATUS

| | | | |
|---------------------------------|-------------------|----------------------|----------------------|
| Prostate | | Inflammation | Chronic Active, Mild |
| Salivary Glands | | Leukemia Mononuclear | |
| Spleen | | Leukemia Mononuclear | |
| Note: LEUKEMIA MONUC TGLs = 2-2 | | | |
| Note: COD - LEUKEMIA, MONUC | | | |
| Stomach | Glandular, Mucosa | Dilatation | Mild |
| | Forestomach | Ulcer | Marked |
| Thymus | | Leukemia Mononuclear | |
| Thyroid Gland | C Cell | Hyperplasia | Mild |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:11

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 154

TRT#: 5

SEX: Male

DAY ON TEST: 734

DOSE: 2.5%

DISP: Terminal Sacrifice

HISTO: A85-0273

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland

OBSERVATIONS

| | | | |
|---------------------------------------|---------------|----------------------------|----------------------|
| Adrenal Gland | Cortex | Hyperplasia | Mild |
| | Medulla | Pheochromocytoma Malignant | |
| Note: [PHEOCHROM MAL] TGLs = 4-8 | | | |
| Eye | | Cataract | Marked |
| | Retina | Degeneration | Marked |
| Note: CATARACT TGLs = 1,2-13 | | | |
| Note: DEGEN TGLs = 1,2-13 | | | |
| Heart | | Cardiomyopathy | Chronic, Moderate |
| Kidney | | Nephropathy | Chronic, Marked |
| | Renal Tubule | Pigmentation | Mild |
| | | Basophilic Focus | |
| | | Developmental Malformation | |
| | Bile Duct | Hyperplasia | Mild |
| | Portal | Inflammation | Chronic, Mild |
| Note: DEVELOP MALFOR TGLs = 5,6-14+15 | | | |
| Lung | | Congestion | Mild |
| Lymph Node | Mandibular | Hyperplasia | Lymphoid, Moderate |
| Pancreas | Acinus | Atrophy | Mild |
| Pituitary Gland | Pars Distalis | Cyst | |
| Preputial Gland | | Inflammation | Chronic Active, Mild |
| Prostate | | Inflammation | Chronic, Mild |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:11

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 154

TRT#: 5

SEX: Male

DAY ON TEST: 734

DOSE: 2.5%

DISP: Terminal Sacrifice

HISTO: A85-0273

ORGAN AND ACCOUNTABLE SITE STATUS

| | | | |
|---------------|-------------------|----------------------------------|------|
| Spleen | | Hematopoietic Cell Proliferation | Mild |
| Stomach | Glandular, Mucosa | Dilatation | Mild |
| Testes | Interstit Cell | Adenoma | |
| Note: ADENOMA | TGLs = 3-6 | | |
| Thymus | | Congestion | Mild |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:11

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 155

TRT#: 5

SEX: Male

DAY ON TEST: 734

DOSE: 2.5%

DISP: Terminal Sacrifice

HISTO: A85-0274

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 | Lung | Lymph Node - Mesenteric |
| Mammary Gland | Pancreas | Parathyroid Gland | Salivary Glands |
| Seminal Vesicle | Stomach - Forestomach | Thymus | Trachea |
| Urinary Bladder | | | |

OBSERVATIONS

| | | | |
|-----------------|-------------------|----------------------------------|--------------------------|
| Heart | | Cardiomyopathy | Chronic, Marked |
| | | Mineralization | Mild |
| Kidney | | Nephropathy | Chronic, Marked |
| | Renal Tubule | Pigmentation | Mild |
| Liver | | Basophilic Focus | |
| | Bile Duct | Hyperplasia | Mild |
| | Portal | Inflammation | Chronic, Mild |
| Lymph Node | Mediastinal | Congestion | Moderate |
| | Mandibular | Hyperplasia | Lymphoid, Mild |
| Mesentery | Fat | Necrosis | Marked |
| Note: NECROSIS | TGLs = 3-14 | | |
| Nose | Nasolacrim Dct | Inflammation | Acute, Minimal |
| Pituitary Gland | Pars Distalis | Hyperplasia | Minimal |
| Preputial Gland | | Inflammation | Chronic Active, Moderate |
| Prostate | | Inflammation | Chronic Active, Moderate |
| Skin | Subcut Tiss | Fibroma | |
| Note: FIBROMA | TGLs = 1-13 | | |
| Spleen | | Hematopoietic Cell Proliferation | Mild |
| | | Pigmentation | Mild |
| Stomach | Glandular, Mucosa | Dilatation | Mild |
| Testes | Interstit Cell | Adenoma | |
| Note: ADENOMA | TGLs = 2-6 | | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:11

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 155

TRT#: 5

SEX: Male

DAY ON TEST: 734

DOSE: 2.5%

DISP: Terminal Sacrifice

HISTO: A85-0274

ORGAN AND ACCOUNTABLE SITE STATUS

Thyroid Gland

C Cell

Hyperplasia

Mild

Tissue NOS

Note: TISSUE, NOS = SKIN

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:11

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 156

TRT#: 5

SEX: Male

DAY ON TEST: 616

DOSE: 2.5%

DISP: Dead

HISTO: A85-0275

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|----------------------------|-------------------------|---------------------------|--------------------------|
| Bone | Bone Marrow | Brain | Epididymis |
| Esophagus | Intestine Large - Cecum | Intestine Large - Colon | Intestine Large - Rectum |
| Intestine Small - Duodenum | Intestine Small - Ileum | Intestine Small - Jejunum | Lymph Node - Mesenteric |
| Mammary Gland | Pancreas | Parathyroid Gland | Preputial Gland |
| Salivary Glands | Seminal Vesicle | Stomach - Forestomach | Thymus |
| Trachea | Urinary Bladder | | |

OBSERVATIONS

| | | | |
|----------------------|---------------|----------------------------|--------------------------|
| Adrenal Gland | Cortex | Degeneration | Fatty, Mild |
| | Medulla | Hyperplasia | Mild |
| Ear | Pinna | Neurofibroma | |
| Note: NEUROFIBROMA | TGLs = 2-14 | | |
| Eye | | Cataract | Mild |
| | Retina | Degeneration | Marked |
| | | Hemorrhage | Mild |
| Note: DEGEN | TGLs = 1-13 | | |
| Heart | | Cardiomyopathy | Chronic, Moderate |
| Islets, Pancreatic | | Adenoma | |
| Note: ADENOMA | TGLs = 5-16 | | |
| Kidney | | Nephropathy | Chronic, Moderate |
| | Renal Tubule | Pigmentation | Mild |
| Liver | | Developmental Malformation | |
| | | Necrosis | Mild |
| | | Vacuolization Cytoplasmic | Minimal |
| Note: DEVELOP MALFOR | TGLs = 6-17 | | |
| Lung | Arteriole | Mineralization | Mild |
| Lymph Node | Mandibular | Hyperplasia | Lymphoid, Mild |
| Nose | Olfactory Epi | Degeneration | Mild |
| Pituitary Gland | Pars Distalis | Adenoma | |
| Prostate | | Inflammation | Chronic Active, Moderate |
| Skin | Subcut Tiss | Fibroma | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:11

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 156

TRT#: 5

SEX: Male

DAY ON TEST: 616

DOSE: 2.5%

DISP: Dead

HISTO: A85-0275

ORGAN AND ACCOUNTABLE SITE STATUS

Note: FIBROMA TGLs = 3-15

Note: COD - FIBROMA

| | | | |
|------------------------------------|-------------------|----------------------------------|---------|
| Spleen | | Hematopoietic Cell Proliferation | Marked |
| Stomach | Glandular | Dilatation | Mild |
| | Glandular, Mucosa | Erosion | Minimal |
| Testes | Interstit Cell | Adenoma | |
| Note: ADENOMA TGLs = 4-6 | | | |
| Thyroid Gland | Follicle | Adenoma | |
| Tissue NOS | | | |
| Note: TGL # 3 (TISSUE, NOS) = SKIN | | | |

PRIMARY CAUSE OF DEATH

-

Animal Note: TGL # 7 (CARCASS) - NST

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:11

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 157

TRT#: 5

SEX: Male

DAY ON TEST: 734

DOSE: 2.5%

DISP: Terminal Sacrifice

HISTO: A85-0276

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

| | | | |
|----------------------------------|---------------|----------------------------|--------------------------|
| Heart | | Cardiomyopathy | Chronic, Moderate |
| Intestine Large | Cecum | Parasite Metazoan | |
| Kidney | | Nephropathy | Chronic, Marked |
| | Renal Tubule | Pigmentation | Mild |
| Liver | | Basophilic Focus | |
| | | Clear Cell Focus | |
| | | Developmental Malformation | |
| | Bile Duct | Hyperplasia | Mild |
| | Portal | Inflammation | Chronic, Mild |
| Note: DEVELOP MALFOR TGLs = 4-15 | | | |
| Lung | Arteriole | Mineralization | Mild |
| Lymph Node | Mandibular | Cyst | |
| | Mandibular | Hyperplasia | Lymphoid, Mild |
| Note: CYST TGLs = 2-14 | | | |
| Note: HYPERPLASIA TGLs = 2-14+7 | | | |
| Nose | Olfactory Epi | Degeneration | Mild |
| | Lumen | Hemorrhage | Minimal |
| Pituitary Gland | Pars Distalis | Cyst | |
| | Pars Distalis | Hyperplasia | Mild |
| Preputial Gland | | Inflammation | Chronic Active, Moderate |
| Prostate | | Inflammation | Chronic, Mild |
| Skin | | Basal Cell Carcinoma | |
| Note: BASAL CEL CARC TGLs = 1-13 | | | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014
Time Report Requested: 08:21:11
First Dose M/F: NA / NA
Lab: SRI

| | | | |
|-----------------------|-------------------------------------|---|---|
| ANIMAL ID: 157 | TRT#: 5 DOSE: 2.5% | SEX: Male DISP: Terminal Sacrifice | DAY ON TEST: 734 HISTO: A85-0276 |
|-----------------------|-------------------------------------|---|---|

ORGAN AND ACCOUNTABLE SITE STATUS

| | | | |
|------------------------------------|-------------------|----------------------------------|------|
| Spleen | | Hematopoietic Cell Proliferation | Mild |
| | | Pigmentation | Mild |
| Stomach | Glandular, Mucosa | Dilatation | Mild |
| Testes | Interstit Cell | Adenoma | |
| Note: ADENOMA | TGLs = 3-6 | | |
| Tissue NOS | | | |
| Note: TGL # 1 (TISSUE, NOS) = SKIN | | | |

PRIMARY CAUSE OF DEATH -

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:11

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 158

TRT#: 5

SEX: Male

DAY ON TEST: 734

DOSE: 2.5%

DISP: Terminal Sacrifice

HISTO: A85-0277

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 | Mammary Gland | Parathyroid Gland | Salivary Glands |
| Seminal Vesicle | Skin | Stomach - Forestomach | Thymus |
| Thyroid Gland | Trachea | Urinary Bladder | |

OBSERVATIONS

| | | | |
|--|-------------------|----------------------------------|--------------------------|
| Adrenal Gland | Medulla | Hyperplasia | Mild |
| | Medulla | Pheochromocytoma Benign | |
| Heart | | Cardiomyopathy | Chronic, Moderate |
| Kidney | | Nephropathy | Chronic, Marked |
| | Renal Tubule | Pigmentation | Mild |
| Note: NEPHROPATHY TGLs = 2-5 | | | |
| Liver | | Basophilic Focus | |
| | Bile Duct | Hyperplasia | Mild |
| | Portal | Inflammation | Chronic, Mild |
| Lung | Arteriole | Mineralization | Minimal |
| Lymph Node | Mandibular | Hyperplasia | Lymphoid, Mild |
| | Mesenteric | Infiltration Cellular | Plasma Cell, Mild |
| Note: MEDIASTINAL L. N. - WITHIN NORMAL LIMITS | | | |
| Nose | Lumen | Hemorrhage | Minimal |
| Pancreas | Acinus | Atrophy | Mild |
| | Artery | Inflammation | Chronic, Mild |
| Pituitary Gland | Pars Distalis | Hyperplasia | Mild |
| Preputial Gland | | Inflammation | Chronic Active, Moderate |
| Prostate | | Inflammation | Chronic Active, Moderate |
| Spleen | | Hematopoietic Cell Proliferation | Minimal |
| | | Pigmentation | Mild |
| Stomach | Glandular, Mucosa | Dilatation | Mild |
| Testes | Interstit Cell | Adenoma | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:11

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 158

TRT#: 5

SEX: Male

DAY ON TEST: 734

DOSE: 2.5%

DISP: Terminal Sacrifice

HISTO: A85-0277

ORGAN AND ACCOUNTABLE SITE STATUS

Note: ADENOMA TGLs = 1-6

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:11

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 159

TRT#: 5

SEX: Male

DAY ON TEST: 683

DOSE: 2.5%

DISP: Dead

HISTO: A85-0278

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 | Parathyroid Gland |
| Pituitary Gland | Skin | Stomach - Glandular | Thyroid Gland |
| Trachea | | | |

OBSERVATIONS

| | | | |
|-----------------|---------------|----------------------|--------------------------|
| Adrenal Gland | Cortex | Hyperplasia | Mild |
| | Cortex | Leukemia Mononuclear | |
| | Medulla | Leukemia Mononuclear | |
| Bone Marrow | | Leukemia Mononuclear | |
| Heart | | Cardiomyopathy | Chronic, Minimal |
| Kidney | | Nephropathy | Chronic, Mild |
| | Renal Tubule | Pigmentation | Mild |
| Liver | Bile Duct | Hyperplasia | Moderate |
| | Portal | Inflammation | Chronic, Moderate |
| | | Leukemia Mononuclear | |
| | | Necrosis | Mild |
| Lung | | Leukemia Mononuclear | |
| | Arteriole | Mineralization | Mild |
| Lymph Node | Mandibular | Leukemia Mononuclear | |
| | Mediastinal | Leukemia Mononuclear | |
| | Mesenteric | Leukemia Mononuclear | |
| Mammary Gland | Acinus | Ectasia | Mild |
| Nose | Olfactory Epi | Degeneration | Mild |
| | Mucosa | Inflammation | Acute, Mild |
| Pancreas | | Leukemia Mononuclear | |
| Preputial Gland | | Inflammation | Chronic Active, Moderate |
| Prostate | | Inflammation | Chronic Active, Mild |
| Salivary Glands | | Leukemia Mononuclear | |
| Seminal Vesicle | | Leukemia Mononuclear | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014
Time Report Requested: 08:21:11
First Dose M/F: NA / NA
Lab: SRI

| | | | |
|-----------------------|-------------------------------------|---------------------------------------|---|
| ANIMAL ID: 159 | TRT#: 5 DOSE: 2.5% | SEX: Male DISP: Dead | DAY ON TEST: 683 HISTO: A85-0278 |
|-----------------------|-------------------------------------|---------------------------------------|---|

ORGAN AND ACCOUNTABLE SITE STATUS

| | | | |
|---|----------------|----------------------|----------|
| Spleen Note: LEUKEMIA MONUC TGLs = 2-13 Note: COD - LEUKEMIA, MONUC | | Leukemia Mononuclear | |
| Stomach | Forestomach | Leukemia Mononuclear | |
| Testes | | Atrophy | Moderate |
| | | Granuloma Sperm | Mild |
| | Interstit Cell | Hyperplasia | Minimal |
| Note: HYPERPLASIA TGLs = 1-6 | | | |
| Thymus | | Leukemia Mononuclear | |
| Urinary Bladder | | Leukemia Mononuclear | |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:11

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 160

TRT#: 5

SEX: Male

DAY ON TEST: 618

DOSE: 2.5%

DISP: Moribund

HISTO: A85-0279

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 | Lymph Node - Mesenteric | Pancreas | Salivary Glands |
| Seminal Vesicle | Skin | Stomach - Forestomach | Testes |
| Thymus | Trachea | Urinary Bladder | |

MISSING

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

OBSERVATIONS

| | | | |
|--|----------------|------------------|-------------------|
| Brain Note: COMPRESSION TGLs = 3-1 | | Compression | Moderate |
| Heart | | Cardiomyopathy | Chronic, Mild |
| Kidney | | Nephropathy | Chronic, Marked |
| | Renal Tubule | Pigmentation | Mild |
| Liver | | Basophilic Focus | |
| | Bile Duct | Hyperplasia | Minimal |
| | Portal | Inflammation | Chronic, Minimal |
| Lung | | Hemorrhage | Mild |
| | Arteriole | Mineralization | Mild |
| Lymph Node | Mandibular | Hyperplasia | Lymphoid, Mild |
| Mammary GI Note: TGL # 1 - NST | | | |
| Nose | Olfactory Epi | Degeneration | Mild |
| | Respirat Epith | Degeneration | Mild |
| | Lumen | Hemorrhage | Mild |
| | Nasolacrim Dct | Inflammation | Acute, Mild |
| Pituitary Gland Note: COD - ADENOMA Note: ADENOMA TGLs = 2-1 | Pars Distalis | Adenoma | |
| Preputial Gland | | Inflammation | Chronic, Moderate |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:11

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 160

TRT#: 5

SEX: Male

DAY ON TEST: 618

DOSE: 2.5%

DISP: Moribund

HISTO: A85-0279

ORGAN AND ACCOUNTABLE SITE STATUS

| | | | |
|---------------|-------------------|--------------|--------------------------|
| Prostate | | Inflammation | Chronic Active, Moderate |
| Spleen | | Pigmentation | Moderate |
| Stomach | Glandular, Mucosa | Dilatation | Mild |
| Thyroid Gland | C Cell | Hyperplasia | Minimal |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:11

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 161

TRT#: 5

SEX: Male

DAY ON TEST: 667

DOSE: 2.5%

DISP: Moribund

HISTO: A85-0280

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 | Pancreas |
| Parathyroid Gland | Salivary Glands | Seminal Vesicle | Stomach - Forestomach |
| Stomach - Glandular | Trachea | Urinary Bladder | |

OBSERVATIONS

| | | | |
|----------------------|--------------|----------------------|-------------------|
| Adrenal Gland | Cortex | Degeneration | Fatty, Mild |
| | Medulla | Hyperplasia | Mild |
| | Cortex | Leukemia Mononuclear | |
| | Medulla | Leukemia Mononuclear | |
| Blood | | Leukemia Mononuclear | |
| Note: LEUKEMIA MONUC | TGLs = 1-61 | | |
| Bone Marrow | | Leukemia Mononuclear | |
| Eye | | Cataract | Marked |
| | Retina | Degeneration | Marked |
| Note: CATARACT | TGLs = 2-13 | | |
| Note: DEGEN | TGLs = 2-13 | | |
| Heart | | Cardiomyopathy | Chronic, Mild |
| | | Leukemia Mononuclear | |
| Kidney | | Leukemia Mononuclear | |
| | | Nephropathy | Chronic, Moderate |
| | Renal Tubule | Pigmentation | Mild |
| Note: NEPHROPATHY | TGLs = 7-5 | | |
| Liver | Bile Duct | Hyperplasia | Mild |
| | Portal | Inflammation | Chronic, Moderate |
| | | Leukemia Mononuclear | |
| Note: LEUKEMIA MONUC | TGLs = 11-2 | | |
| Lung | | Leukemia Mononuclear | |
| Lymph Node | Mandibular | Leukemia Mononuclear | |
| | Mediastinal | Leukemia Mononuclear | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:11

First Dose M/F: NA / NA

Lab: SRI

| | | | |
|-----------------------|-------------------------------------|---|---|
| ANIMAL ID: 161 | TRT#: 5 DOSE: 2.5% | SEX: Male DISP: Moribund | DAY ON TEST: 667 HISTO: A85-0280 |
|-----------------------|-------------------------------------|---|---|

ORGAN AND ACCOUNTABLE SITE STATUS

| | | | |
|------------------------------------|----------------|----------------------|--------------------------|
| Mesenteric | | Leukemia Mononuclear | |
| Pancreatic | | Leukemia Mononuclear | |
| Renal | | Leukemia Mononuclear | |
| Note: LEUKEMIA MONUC | TGLs = 8-4 | | |
| Note: LEUKEMIA MONUC | TGLs = 9-15 | | |
| Note: COD - LEUKEMIA, MONONUCLEAR | | | |
| Note: LEUKEMIA MONUC | TGLs = 5-4 | | |
| Mammary Gland | Acinus | Ectasia | Mild |
| Nose | Olfactory Epi | Degeneration | Mild |
| Pituitary Gland | Pars Distalis | Adenoma | |
| | Pars Intermed | Cyst | |
| | Pars Distalis | Leukemia Mononuclear | |
| Preputial Gland | | Inflammation | Chronic, Moderate |
| Prostate | | Inflammation | Chronic Active, Moderate |
| Skin | | Keratoacanthoma | |
| Note: KERATOACANTHMA | TGLs = 3-14 | | |
| Spleen | | Leukemia Mononuclear | |
| Note: LEUKEMIA MONUC | TGLs = 6-2 | | |
| Testes | Interstit Cell | Adenoma | |
| Note: ADENOMA | TGLs = 4-6 | | |
| Thymus | | Leukemia Mononuclear | |
| Thyroid Gland | C Cell | Hyperplasia | Minimal |
| Tissue NOS | | | |
| Note: TGL # 3 (TISSUE, NOS) = SKIN | | | |

PRIMARY CAUSE OF DEATH -

Animal Note: TGL # 10 (CARCASS) - NST

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:11

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 162

TRT#: 5

SEX: Male

DAY ON TEST: 535

DOSE: 2.5%

DISP: Moribund

HISTO: A85-0281

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 | Nose | Parathyroid Gland | Salivary Glands |
| Seminal Vesicle | Skin | Stomach - Forestomach | Stomach - Glandular |
| Testes | Thymus | Thyroid Gland | Trachea |
| Urinary Bladder | | | |

OBSERVATIONS

| | | | |
|---------------------|--------------|------------------|--------------------------|
| Brain | | Compression | Moderate |
| Note: COMPRESSION | TGLs = 5-1 | | |
| Heart | | Cardiomyopathy | Chronic, Mild |
| Kidney | | Nephropathy | Chronic, Mild |
| | Renal Tubule | Pigmentation | Mild |
| Liver | | Basophilic Focus | |
| | Bile Duct | Hyperplasia | Mild |
| | Portal | Inflammation | Chronic, Mild |
| Lung | | Congestion | Mild |
| Note: CONGESTION | TGLs = 3-3 | | |
| Lymph Node | | Congestion | Marked |
| | Mesenteric | Hyperplasia | Lymphoid, Mild |
| | Mandibular | | |
| Mammary Gland | | Ectasia | Moderate |
| Note: ECTASIA | TGLs = 1-7 | | |
| Pancreas | | Atrophy | Mild |
| Pituitary Gland | | Adenoma | |
| Note: COD - ADENOMA | | | |
| Note: ADENOMA | TGLs = 4-1 | | |
| Preputial Gland | | Inflammation | Chronic Active, Moderate |
| Prostate | | Inflammation | Chronic Active, Moderate |
| Spleen | | Pigmentation | Moderate |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:11

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 162

TRT#: 5

SEX: Male

DAY ON TEST: 535

DOSE: 2.5%

DISP: Moribund

HISTO: A85-0281

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:11

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 163

TRT#: 5

SEX: Male

DAY ON TEST: 617

DOSE: 2.5%

DISP: Moribund

HISTO: A85-0282

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

| | | | |
|----------------------------------|---------------|----------------------|-------------------|
| Adrenal Gland | Cortex | Degeneration | Fatty, Minimal |
| | Cortex | Leukemia Mononuclear | |
| | Medulla | Leukemia Mononuclear | |
| Bone Marrow | | Leukemia Mononuclear | |
| Brain | | Necrosis | Moderate |
| Heart | | Cardiomyopathy | Chronic, Moderate |
| Intestine Small | Ileum | Leukemia Mononuclear | |
| Kidney | | Nephropathy | Chronic, Mild |
| | Renal Tubule | Pigmentation | Mild |
| Liver | Bile Duct | Hyperplasia | Moderate |
| | Portal | Inflammation | Chronic, Mild |
| | | Leukemia Mononuclear | |
| Note: LEUKEMIA MONUC TGLs = 5-2 | | | |
| Lung | | Leukemia Mononuclear | |
| | Arteriole | Mineralization | Mild |
| Lymph Node | Mandibular | Hyperplasia | Lymphoid, Mild |
| | Mediastinal | Leukemia Mononuclear | |
| | Mesenteric | Leukemia Mononuclear | |
| | Pancreatic | Leukemia Mononuclear | |
| Note: LEUKEMIA MONUC TGLs = 3-14 | | | |
| Nose | Olfactory Epi | Degeneration | Mild |
| Pancreas | Acinus | Atrophy | Mild |
| Pituitary Gland | Pars Distalis | Leukemia Mononuclear | |
| Note: LEUKEMIA MONUC TGLs = 6-1 | | | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:11

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 163

TRT#: 5

SEX: Male

DAY ON TEST: 617

DOSE: 2.5%

DISP: Moribund

HISTO: A85-0282

ORGAN AND ACCOUNTABLE SITE STATUS

Preputial Gland

Inflammation

Chronic, Moderate

Prostate

Inflammation

Chronic Active, Mild

Spleen

Leukemia Mononuclear

Note: LEUKEMIA MONUC TGLs = 2-13

Note: COD - LEUKEMIA, MONONUCLEAR

Stomach

Glandular, Mucosa

Dilatation

Mild

Testes

Interstit Cell

Adenoma

Interstit Cell

Hyperplasia

Minimal

Thymus

Cyst

PRIMARY CAUSE OF DEATH

-

Animal Note: TGL # 4 (CAVITIES) - NST

Animal Note: TGL # 1 (CARCASS) - NST

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:11

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 164

TRT#: 5

SEX: Male

DAY ON TEST: 658

DOSE: 2.5%

DISP: Moribund

HISTO: A85-0283

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|----------------------------|-------------------------|---------------------------|--------------------------|
| Bone | Brain | Ear | Epididymis |
| Esophagus | Intestine Large - Cecum | Intestine Large - Colon | Intestine Large - Rectum |
| Intestine Small - Duodenum | Intestine Small - Ileum | Intestine Small - Jejunum | Lymph Node - Mesenteric |
| Mammary Gland | Parathyroid Gland | Salivary Glands | Seminal Vesicle |
| Skin | Spinal Cord | Stomach - Forestomach | Stomach - Glandular |
| Trachea | Urinary Bladder | | |

OBSERVATIONS

| | | | |
|-----------------------------------|--------------------------------|---|------------------------------------|
| Adrenal Gland | Cortex Medulla | Degeneration Hyperplasia Hemorrhage | Fatty, Minimal Mild Moderate |
| Bone Marrow | | Cardiomyopathy | Chronic, Moderate |
| Heart | | Adenoma | |
| Islets, Pancreatic | | | |
| Note: ADENOMA | TGLs = 3-13 | | |
| Kidney | Renal Tubule | Nephropathy Pigmentation | Chronic, Moderate Mild |
| Liver | Bile Duct Portal | Hyperplasia Inflammation Leukemia Mononuclear | Mild Chronic, Mild |
| Note: COD - LEUKEMIA, MONONUCLEAR | | | |
| Lung | Arteriole | Leukemia Mononuclear Mineralization | Mild |
| Lymph Node | Mandibular Mediastinal | Hyperplasia Pigmentation | Lymphoid, Mild Mild |
| Nose | Nasolacrim Dct | Inflammation | Acute, Mild |
| Pancreas | Acinus Acinus | Atrophy Hyperplasia | Mild Moderate |
| Pituitary Gland | Pars Distalis Pars Distalis | Adenoma Hyperplasia | Mild |
| Note: ADENOMA | TGLs = 4-1 | | |
| Preputial Gland | Duct | Ectasia | Moderate |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014
Time Report Requested: 08:21:11
First Dose M/F: NA / NA
Lab: SRI

| | | | |
|-----------------------|-------------------------------------|---|---|
| ANIMAL ID: 164 | TRT#: 5 DOSE: 2.5% | SEX: Male DISP: Moribund | DAY ON TEST: 658 HISTO: A85-0283 |
|-----------------------|-------------------------------------|---|---|

| ORGAN AND ACCOUNTABLE SITE STATUS | | | |
|--|----------------|----------------------|--------------------------|
| | | Inflammation | Chronic, Mild |
| Note: ECTASIA TGLs = 1-8 | | | |
| Prostate | | Inflammation | Chronic Active, Moderate |
| Spleen | | Leukemia Mononuclear | |
| | | Pigmentation | Mild |
| Testes | Interstit Cell | Hyperplasia | Minimal |
| Note: TGL # 2 - NCL | | | |
| Thymus | | Leukemia Mononuclear | |
| Thyroid Gland | C Cell | Hyperplasia | Minimal |

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

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:11

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 165

TRT#: 5

SEX: Male

DAY ON TEST: 734

DOSE: 2.5%

DISP: Terminal Sacrifice

HISTO: A85-0284

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|-------------------------|---------------------------|--------------------------|----------------------------|
| Bone | Bone Marrow | Brain | Epididymis |
| Esophagus | Intestine Large - Colon | Intestine Large - Rectum | Intestine Small - Duodenum |
| Intestine Small - Ileum | Intestine Small - Jejunum | Islets, Pancreatic | Lymph Node - Mesenteric |
| Parathyroid Gland | Salivary Glands | Seminal Vesicle | Thymus |
| Thyroid Gland | Trachea | Urinary Bladder | |

OBSERVATIONS

| | | | |
|-------------------|---------------|-------------------------|--------------------------|
| Adrenal Gland | Cortex | Degeneration | Fatty, Mild |
| | Cortex | Hyperplasia | Mild |
| | Medulla | Hyperplasia | Mild |
| | Medulla | Pheochromocytoma Benign | |
| Heart | | Cardiomyopathy | Chronic, Moderate |
| Intestine Large | Cecum | Parasite Metazoan | |
| Kidney | Renal Tubule | Nephropathy | Chronic, Marked |
| | | Pigmentation | Mild |
| Note: NEPHROPATHY | TGLs = 4-16+5 | | |
| Liver | Bile Duct | Hyperplasia | Mild |
| | Portal | Inflammation | Chronic, Mild |
| Lung | Arteriole | Mineralization | Mild |
| Lymph Node | Mandibular | Hyperplasia | Lymphoid, Mild |
| Mammary Gland | Acinus | Ectasia | Mild |
| Note: ECTASIA | TGLs = 2-14 | | |
| Nose | Mucosa | Inflammation | Acute, Marked |
| Pancreas | Acinus | Atrophy | Moderate |
| | Acinus | Hyperplasia | Mild |
| | Artery | Inflammation | Chronic, Moderate |
| Pituitary Gland | Pars Distalis | Adenoma | |
| Note: ADENOMA | TGLs = 5-1 | | |
| Preputial Gland | | Carcinoma | |
| Note: CARCINOMA | TGLs = 3-14 | | |
| Prostate | | Inflammation | Chronic Active, Moderate |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014
Time Report Requested: 08:21:11
First Dose M/F: NA / NA
Lab: SRI

| | | | |
|-----------------------|-------------------------------------|---|---|
| ANIMAL ID: 165 | TRT#: 5 DOSE: 2.5% | SEX: Male DISP: Terminal Sacrifice | DAY ON TEST: 734 HISTO: A85-0284 |
|-----------------------|-------------------------------------|---|---|

ORGAN AND ACCOUNTABLE SITE STATUS

| | | | |
|---|---|--|------------------------------|
| Skin Note: ALOPECIA TGLs = 1-13 | | Alopecia | Mild |
| Spleen | | Hematopoietic Cell Proliferation | Minimal |
| Stomach | Glandular, Mucosa Forestomach Glandular | Dilatation Mineralization Mineralization | Mild Moderate Moderate |
| Testes Note: ADENOMA TGLs = 6-6 | Interstit Cell | Adenoma | |

PRIMARY CAUSE OF DEATH -

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:11

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 166

TRT#: 5

SEX: Male

DAY ON TEST: 734

DOSE: 2.5%

DISP: Terminal Sacrifice

HISTO: A85-0285

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Parathyroid Gland

OBSERVATIONS

| | | | |
|------------------------------------|-------------------|----------------------------------|------------------------|
| Adrenal Gland | Cortex | Degeneration | Fatty, Mild |
| | Cortex | Hyperplasia | Mild |
| | Medulla | Hyperplasia | Mild |
| Heart | | Cardiomyopathy | Chronic, Moderate |
| Kidney | | Nephropathy | Chronic, Moderate |
| | Renal Tubule | Pigmentation | Mild |
| Liver | | Basophilic Focus | |
| | Portal | Inflammation | Chronic, Mild |
| Lung | Arteriole | Mineralization | Mild |
| Lymph Node | Mandibular | Hyperplasia | Lymphoid, Mild |
| Mesentery | Arteriole | Inflammation | Chronic, Moderate |
| Nose | Nasolacrim Dct | Inflammation | Acute, Mild |
| Pancreas | Acinus | Adenoma | |
| | Acinus | Atrophy | Mild |
| Pituitary Gland | Pars Distalis | Adenoma | |
| Preputial Gland | | Inflammation | Chronic, Mild |
| Prostate | | Inflammation | Chronic Active, Marked |
| Spleen | | Hematopoietic Cell Proliferation | Mild |
| | | Lymphoma Malignant Mixed | |
| Note: LYMPH MAL MIXD TGLs = 1-2+13 | | | |
| Stomach | Glandular, Mucosa | Dilatation | Mild |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:11

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 166

TRT#: 5

SEX: Male

DAY ON TEST: 734

DOSE: 2.5%

DISP: Terminal Sacrifice

HISTO: A85-0285

ORGAN AND ACCOUNTABLE SITE STATUS

Testes

Interstit Cell

Adenoma

Note: ADENOMA

TGLs = 2-6

Thyroid Gland

C Cell

Hyperplasia

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:11

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 167

TRT#: 5

SEX: Male

DAY ON TEST: 710

DOSE: 2.5%

DISP: Moribund

HISTO: A85-0286

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|-------------------------|---------------------------|--------------------------|----------------------------|
| Bone | Bone Marrow | Brain | Epididymis |
| Esophagus | Intestine Large - Cecum | Intestine Large - Rectum | Intestine Small - Duodenum |
| Intestine Small - Ileum | Intestine Small - Jejunum | Parathyroid Gland | Salivary Glands |
| Seminal Vesicle | Skin | Stomach - Forestomach | Thymus |
| Trachea | Urinary Bladder | | |

MISSING

Islets, Pancreatic

OBSERVATIONS

| | | | |
|----------------------|--------------|----------------------|-------------------|
| Adrenal Gland | Medulla | Hyperplasia | Mild |
| | Cortex | Leukemia Mononuclear | |
| | Medulla | Leukemia Mononuclear | |
| Eye | Retina | Cataract | Marked |
| | | Degeneration | Marked |
| | | Hemorrhage | Moderate |
| Note: CATARACT | TGLs = 1-13 | | |
| Note: DEGEN | TGLs = 1-13 | | |
| Heart | | Cardiomyopathy | Chronic, Moderate |
| Intestine Large | Colon | Parasite Metazoan | |
| Kidney | Renal Tubule | Nephropathy | Chronic, Marked |
| | | Pigmentation | Mild |
| Note: NEPHROPATHY | TGLs = 5-5 | | |
| Liver | Bile Duct | Basophilic Focus | |
| | Portal | Hyperplasia | Mild |
| | | Inflammation | Chronic, Mild |
| | | Leukemia Mononuclear | |
| Note: LEUKEMIA MONUC | TGLs = 6-2 | | |
| Lung | Arteriole | Leukemia Mononuclear | |
| | | Mineralization | Mild |
| Lymph Node | Mandibular | Leukemia Mononuclear | |
| | Mesenteric | Leukemia Mononuclear | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:11

First Dose M/F: NA / NA

Lab: SRI

| | | | |
|-----------------------|-------------------------------------|---|---|
| ANIMAL ID: 167 | TRT#: 5 DOSE: 2.5% | SEX: Male DISP: Moribund | DAY ON TEST: 710 HISTO: A85-0286 |
|-----------------------|-------------------------------------|---|---|

ORGAN AND ACCOUNTABLE SITE STATUS

| | | | |
|--|-------------------|----------------------|--------------------------|
| Note: MEDIASTINAL L. N. - WITHIN NORMAL LIMITS | | | |
| Mammary Gland | Duct | Ectasia | Mild |
| Nose | Olfactory Epi | Degeneration | Mild |
| | Nasolacrim Dct | Inflammation | Acute, Mild |
| Pancreas | Acinus | Atrophy | Minimal |
| Pituitary Gland | Pars Distalis | Hyperplasia | Mild |
| Preputial Gland | | Inflammation | Chronic Active, Moderate |
| Prostate | | Inflammation | Chronic Active, Mild |
| Spleen | | Fibrosis | Marked |
| | | Leukemia Mononuclear | |
| | | Pigmentation | Moderate |
| Note: FIBROSIS TGLs = 4-2 | | | |
| Note: COD - LEUKEMIA, MONONUCLEAR | | | |
| Stomach | Glandular, Mucosa | Dilatation | Mild |
| Testes | Interstit Cell | Adenoma | |
| | | Atrophy | Moderate |
| | Interstit Cell | Hyperplasia | Mild |
| Note: ADENOMA TGLs = 3-6 | | | |
| Thyroid Gland | C Cell | Hyperplasia | Mild |

PRIMARY CAUSE OF DEATH -

Animal Note: TGL # 2 (CAVITIES) - NST

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:11

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 168

TRT#: 5

SEX: Male

DAY ON TEST: 646

DOSE: 2.5%

DISP: Moribund

HISTO: A85-0287

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|----------------------------|-------------------------|-------------------------|--------------------------|
| Adrenal Gland - Cortex | Bone | Bone Marrow | Brain |
| Epididymis | Esophagus | Intestine Large - Cecum | Intestine Large - Rectum |
| Intestine Small - Duodenum | Intestine Small - Ileum | Parathyroid Gland | Salivary Glands |
| Skin | Stomach - Forestomach | Stomach - Glandular | Thyroid Gland |
| Trachea | Urinary Bladder | | |

OBSERVATIONS

| | | | |
|----------------------|---------------------|-------------------------|--------------------|
| Adrenal Gland | Medulla | Hyperplasia | Mild |
| | Medulla | Pheochromocytoma Benign | |
| Heart | | Cardiomyopathy | Chronic, Moderate |
| Intestine Large | Colon | Mesothelioma Malignant | |
| Intestine Small | Jejunum | Mesothelioma Malignant | |
| Note: MESOTHELIO MAL | TGLs = 9-17 | | |
| Islets, Pancreatic | | Carcinoma | |
| Note: CARCINOMA | TGLs = 5-16 | | |
| Kidney | Pelvis | Dilatation | Marked |
| | | Nephropathy | Chronic, Marked |
| | Renal Tubule | Pigmentation | Mild |
| Note: DILATATION | TGLs = 8-13 | | |
| Note: NEPHROPATHY | TGLs = 6,7-5+15 | | |
| Liver | Bile Duct | Hyperplasia | Mild |
| | Portal | Inflammation | Chronic, Mild |
| | | Mesothelioma Malignant | |
| | | Mesothelioma Malignant | |
| Lung | | | |
| Note: MESOTHELIO MAL | TGLs = 13-3,11-3+19 | | |
| Lymph Node | Mandibular | Hyperplasia | Lymphoid, Moderate |
| | Mediastinal | Infiltration Cellular | Histiocyte, Mild |
| | Mesenteric | Mesothelioma Malignant | |
| Mammary Gland | Acinus | Ectasia | Mild |
| Note: ECTASIA | TGLs = 1-7 | | |
| Mesentery | | Mesothelioma Malignant | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:11

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 168

TRT#: 5

SEX: Male

DAY ON TEST: 646

DOSE: 2.5%

DISP: Moribund

HISTO: A85-0287

ORGAN AND ACCOUNTABLE SITE STATUS

Note: MESOTHELIO MAL TGLs = 4,12-15+20

Note: COD - MESOTHELIOMA, MALIGNANT

| | | | |
|---|-------------------------|--|--------------------------|
| Nose | Olfactory Epi Mucosa | Degeneration Inflammation Mesothelioma Malignant | Mild Acute, Moderate |
| Pancreas | | | |
| Note: MESOTHELIO MAL TGLs = 5-16 | | | |
| Pituitary Gland | Pars Distalis | Adenoma | |
| Note: ADENOMA TGLs = 14-1 | | | |
| Preputial Gland | | Inflammation | Chronic Active, Moderate |
| Prostate | | Inflammation Mesothelioma Malignant Mesothelioma Malignant | Chronic Active, Marked |
| Seminal Vesicle | | | |
| Note: MESOTHELIO MAL TGLs = 3-14 | | | |
| Skeletal Muscle | | Mesothelioma Malignant | |
| Note: MESOTHELIO MAL TGLs = 10-18 | | | |
| Spleen | | Hematopoietic Cell Proliferation | Moderate |
| Testes | Interstit Cell | Adenoma Atrophy | Moderate |
| Note: ADENOMA TGLs = 2-6 | | | |
| Thymus | | Neoplasm Nos | |
| Note: ENTERED AS NEOPLASM NOS | | | |
| Note: MESOTHELIOMA MALIGNANT IS PRESENT IN THYMUS,BUT ENTERED | | | |
| Note: AS NOTE BECAUSE CODE IS NOT ON TDMS SCREEN | | | |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:11

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 169

TRT#: 5

SEX: Male

DAY ON TEST: 734

DOSE: 2.5%

DISP: Terminal Sacrifice

HISTO: A85-0288

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland

OBSERVATIONS

| | | | |
|--------------------|----------------|-------------------|------------------------|
| Adrenal Gland | Cortex | Degeneration | Fatty, Mild |
| | Cortex | Hyperplasia | Mild |
| | Medulla | Hyperplasia | Moderate |
| Heart | | Cardiomyopathy | Chronic, Moderate |
| Intestine Large | Cecum | Parasite Metazoan | |
| Islets, Pancreatic | | Hyperplasia | Mild |
| Kidney | | Nephropathy | Chronic, Marked |
| | Renal Tubule | Pigmentation | Mild |
| Liver | | Basophilic Focus | |
| | Bile Duct | Hyperplasia | Mild |
| | Portal | Inflammation | Chronic, Mild |
| Lung | Arteriole | Mineralization | Mild |
| Lymph Node | Mandibular | Hyperplasia | Lymphoid, Mild |
| Nose | Olfactory Epi | Degeneration | Mild |
| | Respirat Epith | Degeneration | Mild |
| | Nasolacrim Dct | Inflammation | Acute, Mild |
| Pituitary Gland | Pars Distalis | Adenoma | |
| Note: ADENOMA | | | |
| Preputial Gland | Duct | Ectasia | Moderate |
| | | Inflammation | Chronic, Mild |
| Prostate | | Inflammation | Chronic Active, Marked |

TGLs = 1-1

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:11

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 169

TRT#: 5

SEX: Male

DAY ON TEST: 734

DOSE: 2.5%

DISP: Terminal Sacrifice

HISTO: A85-0288

ORGAN AND ACCOUNTABLE SITE STATUS

| | | | |
|---------|-------------------|----------------------------------|---------|
| Spleen | | Hematopoietic Cell Proliferation | Minimal |
| | | Pigmentation | Mild |
| Stomach | Glandular, Mucosa | Dilatation | Mild |
| Testes | Interstit Cell | Hyperplasia | Minimal |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:11

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 170

TRT#: 5

SEX: Male

DAY ON TEST: 692

DOSE: 2.5%

DISP: Moribund

HISTO: A85-0289

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|---------------------------|-------------------------|--------------------------|----------------------------|
| Bone | Brain | Epididymis | Esophagus |
| Intestine Large - Cecum | Intestine Large - Colon | Intestine Large - Rectum | Intestine Small - Duodenum |
| Intestine Small - Jejunum | Parathyroid Gland | Salivary Glands | Seminal Vesicle |
| Skin | Stomach - Forestomach | Thyroid Gland | Trachea |
| Urinary Bladder | | | |

OBSERVATIONS

| | | | |
|-----------------------------------|--------------|----------------------|---------------|
| Adrenal Gland | Medulla | Hyperplasia | Minimal |
| | Cortex | Leukemia Mononuclear | |
| | Medulla | Leukemia Mononuclear | |
| Bone Marrow | | Leukemia Mononuclear | |
| Heart | | Cardiomyopathy | Chronic, Mild |
| | | Leukemia Mononuclear | |
| Intestine Small | Ileum | Leukemia Mononuclear | |
| Islets, Pancreatic | | Adenoma | |
| Note: ADENOMA TGLs = 7-14 | | | |
| Kidney | | Leukemia Mononuclear | |
| | | Nephropathy | Chronic, Mild |
| | Renal Tubule | Pigmentation | Mild |
| Liver | Bile Duct | Hyperplasia | Mild |
| | Portal | Inflammation | Chronic, Mild |
| | | Leukemia Mononuclear | |
| Note: LEUKEMIA MONUC TGLs = 10-2 | | | |
| Lung | | Leukemia Mononuclear | |
| | Arteriole | Mineralization | Mild |
| Lymph Node | Mandibular | Leukemia Mononuclear | |
| | Mediastinal | Leukemia Mononuclear | |
| | Mesenteric | Leukemia Mononuclear | |
| | Pancreatic | Leukemia Mononuclear | |
| Note: LEUKEMIA MONUC TGLs = 12-16 | | | |
| Note: COD - LEUKEMIA, MONONUCLEAR | | | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:11

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 170

TRT#: 5

SEX: Male

DAY ON TEST: 692

DOSE: 2.5%

DISP: Moribund

HISTO: A85-0289

ORGAN AND ACCOUNTABLE SITE STATUS

Note: LEUKEMIA MONUC TGLs = 6-13

Note: LEUKEMIA MONUC TGLs = 9-15

[Leukemia Mononuclear TGLS = 3-7+7.1]

Mammary Gland

Acinus

Ectasia

Moderate

Note: ECTASIA

TGLs = 2-7+7.1

Nose

Olfactory Epi

Degeneration

Mild

Pancreas

Acinus

Atrophy

Moderate

Pituitary Gland

Pars Distalis

Leukemia Mononuclear

Adenoma

Leukemia Mononuclear

Note: ADENOMA

TGLs = 11-1

Preputial Gland

Adenoma

Inflammation

Chronic Active, Mild

Prostate

Inflammation

Chronic Active, Mild

Spleen

Leukemia Mononuclear

Note: LEUKEMIA MONUC

TGLs = 8-2

Stomach

Glandular, Mucosa

Dilatation

Mild

Testes

Interstit Cell

Adenoma

Leukemia Mononuclear

Note: ADENOMA

TGLs = 4,5-6

Thymus

Leukemia Mononuclear

PRIMARY CAUSE OF DEATH

-

Animal Note: TGL # 1 (CARCASS) - NST

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:11

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 176

TRT#: 5

SEX: Male

DAY ON TEST: 734

DOSE: 2.5%

DISP: Terminal Sacrifice

HISTO: A85-0295

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Thymus

OBSERVATIONS

| | | | |
|-----------------|-------------------|----------------------------------|--------------------------|
| Adrenal Gland | Cortex | Hyperplasia | Mild |
| | Medulla | Hyperplasia | Mild |
| | Medulla | Pheochromocytoma Benign | |
| Heart | | Cardiomyopathy | Chronic, Moderate |
| Intestine Large | Colon | Parasite Metazoan | |
| Kidney | | Nephropathy | Chronic, Marked |
| | Renal Tubule | Pigmentation | Mild |
| | | Basophilic Focus | |
| Liver | Bile Duct | Hyperplasia | Mild |
| | Portal | Inflammation | Chronic, Mild |
| | | Necrosis | Minimal |
| Lung | | Hemorrhage | Mild |
| | Arteriole | Mineralization | Mild |
| | | Hyperplasia | Lymphoid, Mild |
| Lymph Node | Mandibular | Hyperplasia | |
| Mesentery | Fat | Necrosis | Marked |
| Note: NECROSIS | TGLs = 1-13 | | |
| Pituitary Gland | Pars Distalis | Hyperplasia | Mild |
| Prostate | | Inflammation | Chronic Active, Moderate |
| Spleen | | Hematopoietic Cell Proliferation | Mild |
| | | Pigmentation | Mild |
| | | Dilatation | Mild |
| Stomach | Glandular, Mucosa | | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014
Time Report Requested: 08:21:11
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 176

TRT#: 5
DOSE: 2.5%

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 734
HISTO: A85-0295

ORGAN AND ACCOUNTABLE SITE STATUS

| | | |
|---|----------------|---------|
| Testes Note: ADENOMA TGLs = 2-6 | Interstit Cell | Adenoma |
| PRIMARY CAUSE OF DEATH | - | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:11

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 177

TRT#: 5

SEX: Male

DAY ON TEST: 638

DOSE: 2.5%

DISP: Moribund

HISTO: A85-0296

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|---------------------------|-------------------------|-------------------------|----------------------------|
| Bone | Bone Marrow | Brain | Epididymis |
| Esophagus | Intestine Large - Cecum | Intestine Large - Colon | Intestine Small - Duodenum |
| Intestine Small - Jejunum | Islets, Pancreatic | Lung | Lymph Node - Mandibular |
| Lymph Node - Mesenteric | Pancreas | Parathyroid Gland | Salivary Glands |
| Seminal Vesicle | Skin | Stomach - Forestomach | Thymus |
| Thyroid Gland | Trachea | Urinary Bladder | |

MISSING

Mammary Gland

OBSERVATIONS

| | | | |
|------------------------------------|---|--|--------------------------|
| Adrenal Gland | Cortex Medulla Bilateral, Medulla | Degeneration Hyperplasia Pheochromocytoma Benign | Fatty, Mild Moderate |
| Heart | Atrium Rgt | Cardiomyopathy Thrombosis | Chronic, Mild |
| Note: THROMBUS TGLs = 6-14 | | | |
| Intestine Large | Rectum | Parasite Metazoan | |
| Intestine Small | Ileum | Inflammation | Chronic, Mild |
| Kidney | Renal Tubule | Nephropathy Pigmentation | Chronic, Mild Minimal |
| Liver | Portal | Hematopoietic Cell Proliferation | Mild |
| Mesentery | Fat | Inflammation | Chronic, Minimal |
| Note: NECROSIS TGLs = 4-15 | | Necrosis | Moderate |
| Nose | Olfactory Epi Nasolacrim Dct | Degeneration Inflammation | Mild Acute, Mild |
| Pituitary Gland | Pars Intermed | Cyst | |
| Preputial Gland | | Carcinoma Inflammation | |
| Note: CARCINOMA TGLs = 1,2-13 | | | Chronic, Minimal |
| Note: COD - CARCINOMA | | | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:11

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 177

TRT#: 5

SEX: Male

DAY ON TEST: 638

DOSE: 2.5%

DISP: Moribund

HISTO: A85-0296

ORGAN AND ACCOUNTABLE SITE STATUS

| | | | |
|--------------------------------------|-------------------|----------------------------------|------------------------|
| Prostate | | Inflammation | Chronic Active, Marked |
| Spleen | | Hematopoietic Cell Proliferation | Moderate |
| Note: HEMA CELL PROL TGLs = 5-2 | | | |
| Stomach | Glandular, Mucosa | Dilatation | Mild |
| Testes | Interstit Cell | Adenoma | |
| | Interstit Cell | Hyperplasia | Minimal |
| Note: HYPERPLASIA TGLs = 3-6 | | | |
| Tissue NOS | | | |
| Note: TISSUE, NOS = PREPUTIAL GLAND. | | | |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:11

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 178

TRT#: 5

SEX: Male

DAY ON TEST: 687

DOSE: 2.5%

DISP: Moribund

HISTO: A85-0297

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

| | | | |
|-----------------------------------|----------------|-------------------------|------------------------|
| Adrenal Gland | Cortex | Degeneration | Fatty, Moderate |
| | Medulla | Hyperplasia | Mild |
| | Medulla | Pheochromocytoma Benign | |
| Heart | | Cardiomyopathy | Chronic, Moderate |
| Intestine Large | Cecum | Parasite Metazoan | |
| Kidney | | Nephropathy | Chronic, Mild |
| | Renal Tubule | Pigmentation | Mild |
| Liver | | Basophilic Focus | |
| | Bile Duct | Hyperplasia | Mild |
| | Portal | Inflammation | Chronic, Mild |
| | | Leukemia Mononuclear | |
| Note: LEUKEMIA MONUC | TGLs = 4-2+2.1 | | |
| Note: COD - LEUKEMIA, MONONUCLEAR | | | |
| Lung | | Leukemia Mononuclear | |
| | Arteriole | Mineralization | Minimal |
| Lymph Node | Mandibular | Hyperplasia | Lymphoid, Mild |
| Nose | Olfactory Epi | Degeneration | Mild |
| Pancreas | Acinus | Atrophy | Mild |
| Pituitary Gland | Pars Distalis | Cyst | |
| Preputial Gland | | Inflammation | Chronic Active, Marked |
| Note: INFLAMMATION | TGLs = 1-8 | | |
| Skin | Subcut Tiss | Fibroma | |
| Note: FIBROMA | TGLs = 2-13 | | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014
Time Report Requested: 08:21:11
First Dose M/F: NA / NA
Lab: SRI

| | | | |
|-----------------------|-------------------------------------|---|---|
| ANIMAL ID: 178 | TRT#: 5 DOSE: 2.5% | SEX: Male DISP: Moribund | DAY ON TEST: 687 HISTO: A85-0297 |
|-----------------------|-------------------------------------|---|---|

| ORGAN AND ACCOUNTABLE SITE STATUS | | | |
|--|-------------------|-------------------------------------|----------------------|
| Spleen | | Hyperplasia Leukemia Mononuclear | Reticulum Cell, Mild |
| Stomach | Glandular, Mucosa | Dilatation | Mild |
| Testes | Interstit Cell | Adenoma | |
| Note: ADENOMA | TGLs = 5-6+6.1 | | |
| Tissue NOS | | | |
| Note: TISSUE, NOS = SKIN | | | |

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

Animal Note: TGL # 3 (CAVITIES) - NST

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:11

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 179

TRT#: 5

SEX: Male

DAY ON TEST: 701

DOSE: 2.5%

DISP: Moribund

HISTO: A85-0298

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 |
| Lymph Node - Mandibular | Pancreas | Parathyroid Gland | Salivary Glands |
| Seminal Vesicle | Stomach - Forestomach | Thyroid Gland | Trachea |
| Urinary Bladder | | | |

MISSING

Thymus

OBSERVATIONS

| | | | |
|-----------------|---------------|-------------------|----------------------|
| Adrenal Gland | Cortex | Degeneration | Fatty, Mild |
| Eye | Retina | Cataract | Marked |
| | | Degeneration | Marked |
| | | Hemorrhage | Moderate |
| Note: CATARACT | TGLs = 1-13 | | |
| Note: DEGEN | TGLs = 1-13 | | |
| Heart | | Cardiomyopathy | Chronic, Moderate |
| Intestine Large | Rectum | Parasite Metazoan | |
| Kidney | | Nephropathy | Chronic, Moderate |
| | Renal Tubule | Pigmentation | Mild |
| Liver | | Basophilic Focus | |
| | Bile Duct | Hyperplasia | Mild |
| | Portal | Inflammation | Chronic, Mild |
| Lung | Arteriole | Mineralization | Mild |
| Lymph Node | Mesenteric | Congestion | Mild |
| Mammary Gland | Acinus | Ectasia | Mild |
| Nose | Olfactory Epi | Degeneration | Mild |
| Pituitary Gland | Pars Distalis | Cyst | |
| Preputial Gland | | Inflammation | Chronic, Mild |
| Prostate | | Inflammation | Chronic Active, Mild |
| Skin | Subcut Tiss | Lipoma | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014
Time Report Requested: 08:21:11
First Dose M/F: NA / NA
Lab: SRI

| | | | |
|-----------------------|-------------------------------------|---|---|
| ANIMAL ID: 179 | TRT#: 5 DOSE: 2.5% | SEX: Male DISP: Moribund | DAY ON TEST: 701 HISTO: A85-0298 |
|-----------------------|-------------------------------------|---|---|

ORGAN AND ACCOUNTABLE SITE STATUS

| | | | |
|--------------------------|-------------|--------------|------|
| Note: LIPOMA | TGLs = 2-14 | | |
| Spleen | | Pigmentation | Mild |
| Stomach | | Dilatation | Mild |
| Note: TGL # 4 - NCL | | | |
| Testes | | Adenoma | |
| Note: ADENOMA | TGLs = 3-6 | | |
| Tissue NOS | | | |
| Note: TISSUE, NOS = SKIN | | | |

PRIMARY CAUSE OF DEATH -

Animal Note: COD - UNKNOWN

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:11

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 180

TRT#: 5

DOSE: 2.5%

SEX: Male

DISP: Dead

DAY ON TEST: 635

HISTO: A85-0299

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland

OBSERVATIONS

| | | | |
|--|------------------------|--|-------------------------|
| Adrenal Gland | Cortex Medulla | Degeneration Pheochromocytoma Benign | Fatty, Mild |
| Heart | | Cardiomyopathy | Chronic, Mild |
| Islets, Pancreatic Note: ADENOMA TGLs = 2-13 | | Adenoma | |
| Kidney | Renal Tubule | Nephropathy Pigmentation | Chronic, Marked Mild |
| Liver | | Vacuolization Cytoplasmic | Mild |
| Lung | Arteriole | Congestion Mineralization | Moderate Mild |
| Mammary Gland Note: TGL # 1 - NST | | | |
| Nose | Olfactory Epi Lumen | Degeneration Hemorrhage | Mild Minimal |
| Pituitary Gland Note: COD - ADENOMA Note: ADENOMA TGLs = 3-1 | Pars Distalis | Adenoma | |
| Prostate Note: INFLAMMATION TGLs = 4-14 | | Inflammation | Chronic Active, Marked |
| Spleen | | Hematopoietic Cell Proliferation Pigmentation | Moderate Moderate |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:11

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 180

TRT#: 5

SEX: Male

DAY ON TEST: 635

DOSE: 2.5%

DISP: Dead

HISTO: A85-0299

ORGAN AND ACCOUNTABLE SITE STATUS

| | | | |
|---------|-------------------------|--------------|--------------------------|
| Stomach | Epithelium, Forestomach | Hyperplasia | Mild |
| | Forestomach | Inflammation | Chronic Active, Moderate |
| Testes | | Atrophy | Moderate |
| | Interstit Cell | Hyperplasia | Minimal |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:11

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 1

TRT#: 2

SEX: Female

DAY ON TEST: 729

DOSE: UNTREATD CONTROL

DISP: Terminal Sacrifice

HISTO: A85-0300

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

| | | | |
|-----------------|---------------|-----------------------|----------------------|
| Adrenal Gland | Cortex | Degeneration | Fatty, Minimal |
| | Cortex | Hyperplasia | Minimal |
| | Cortex | Pigmentation | Minimal |
| Clitoral Gland | Duct | Ectasia | Moderate |
| | | Inflammation | Chronic, Minimal |
| Note: ECTASIA | TGLs = 2-8 | | |
| Heart | | Cardiomyopathy | Chronic, Mild |
| Intestine Large | Rectum | Parasite Metazoan | |
| Kidney | | Nephropathy | Chronic, Mild |
| | Renal Tubule | Pigmentation | Mild |
| Liver | | Basophilic Focus | |
| | Bile Duct | Hyperplasia | Minimal |
| | Portal | Inflammation | Chronic, Mild |
| | | Leukemia Mononuclear | |
| Lung | | Hemorrhage | Minimal |
| | Alveolus | Infiltration Cellular | Histiocyte, Mild |
| | | Leukemia Mononuclear | |
| Lymph Node | Mediastinal | Hyperplasia | Reticulum Cell, Mild |
| | Mesenteric | Hyperplasia | Lymphoid, Mild |
| | Mesenteric | Hyperplasia | Reticulum Cell, Mild |
| Mammary Gland | Acinus | Ectasia | Marked |
| Note: ECTASIA | TGLs = 1-7 | | |
| Nose | Olfactory Epi | Degeneration | Mild |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014
Time Report Requested: 08:21:11
First Dose M/F: NA / NA
Lab: SRI

| | | | |
|---------------------|-------------------------------|---------------------------------|-------------------------|
| ANIMAL ID: 1 | TRT#: 2 | SEX: Female | DAY ON TEST: 729 |
| | DOSE: UNTREATD CONTROL | DISP: Terminal Sacrifice | HISTO: A85-0300 |

| ORGAN AND ACCOUNTABLE SITE STATUS | | | |
|--|-------------------|----------------------|---------|
| | Respirat Epith | Degeneration | Minimal |
| Pancreas | Acinus | Atrophy | Minimal |
| Pituitary Gland | Pars Distalis | Adenoma | |
| | Pars Distalis | Cyst | |
| | Pars Distalis | Hyperplasia | Mild |
| Spleen | | Leukemia Mononuclear | |
| | | Pigmentation | Mild |
| Note: LEUKEMIA MONUC TGLs = 3-2 | | | |
| Stomach | Glandular, Mucosa | Dilatation | Mild |
| Thyroid Gland | C Cell | Hyperplasia | Mild |

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

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:11

First Dose M/F: NA / NA

Lab: SRI

| | | | |
|---------------------|-------------------------------|---------------------------------|-------------------------|
| ANIMAL ID: 2 | TRT#: 2 | SEX: Female | DAY ON TEST: 729 |
| | DOSE: UNTREATD CONTROL | DISP: Terminal Sacrifice | HISTO: A85-0301 |

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

| | | | |
|----------------|-------------------|--|--|
| Clitoral Gland | Parathyroid Gland | | |
|----------------|-------------------|--|--|

OBSERVATIONS

| | | | |
|--------------------|-----------------|----------------------------------|-------------------|
| Adrenal Gland | Cortex | Degeneration | Fatty, Moderate |
| Heart | | Cardiomyopathy | Chronic, Mild |
| Intestine Large | Cecum | Parasite Metazoan | |
| Kidney | | Nephropathy | Chronic, Moderate |
| | Renal Tubule | Pigmentation | Mild |
| Liver | | Basophilic Focus | |
| Lung | Alveolus | Infiltration Cellular | Histiocyte, Mild |
| | Arteriole | Mineralization | Mild |
| Lymph Node | Mediastinal | Congestion | Moderate |
| | Mandibular | Hyperplasia | Lymphoid, Mild |
| | Mesenteric | Hyperplasia | Lymphoid, Mild |
| Mammary Gland | Acinus | Ectasia | Marked |
| | | Fibroadenoma | |
| Note: ECTASIA | TGLs = 1,2-7,13 | | |
| Note: FIBROADENOMA | TGLs = 1-13 | | |
| Nose | Lumen | Hemorrhage | Mild |
| Pituitary Gland | Pars Distalis | Adenoma | |
| Note: ADENOMA | TGLs = 3-1 | | |
| Spleen | | Hematopoietic Cell Proliferation | Mild |
| | | Pigmentation | Moderate |
| Thyroid Gland | C Cell | Hyperplasia | Mild |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:11

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 2

TRT#: 2

SEX: Female

DAY ON TEST: 729

DOSE: UNTREATD CONTROL

DISP: Terminal Sacrifice

HISTO: A85-0301

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:11

First Dose M/F: NA / NA

Lab: SRI

| | | | |
|---------------------|-------------------------------|--------------------|-------------------------|
| ANIMAL ID: 3 | TRT#: 2 | SEX: Female | DAY ON TEST: 514 |
| | DOSE: UNTREATD CONTROL | DISP: Dead | HISTO: A85-0302 |

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|-------------------------|---------------------------|--------------------------|----------------------------|
| 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 | Ovary |
| Pancreas | Parathyroid Gland | Skin | Stomach - Forestomach |
| Stomach - Glandular | Thyroid Gland | Trachea | Urinary Bladder |
| Uterus | | | |

OBSERVATIONS

| | | | |
|---------------------------------|----------------|----------------------|---------------|
| Adrenal Gland | Cortex | Leukemia Mononuclear | |
| | Medulla | Leukemia Mononuclear | |
| Note: TGL # 6-NCL | | | |
| Brain | | Leukemia Mononuclear | |
| Heart | | Leukemia Mononuclear | |
| Kidney | | Leukemia Mononuclear | |
| Liver | | Leukemia Mononuclear | |
| Note: LEUKEMIA MONUC TGLs = 4-2 | | | |
| Lung | | Leukemia Mononuclear | |
| Lymph Node | Mandibular | Leukemia Mononuclear | |
| | Mesenteric | Leukemia Mononuclear | |
| Mammary Gland | Acinus | Ectasia | Mild |
| Note: ECTASIA TGLs = 1-7 | | | |
| Mesentery | Fat | Inflammation | Acute, Marked |
| Note: INFLAMMATION TGLs = 2-13 | | | |
| Nose | Olfactory Epi | Degeneration | Mild |
| | Respirat Epith | Degeneration | Mild |
| | Nasolacrim Dct | Inflammation | Acute, Mild |
| Pituitary Gland | | Leukemia Mononuclear | |
| Salivary Glands | | Inflammation | Acute, Mild |
| Spleen | | Leukemia Mononuclear | |
| Note: LEUKEMIA MONUC TGLs = 3-2 | | | |
| Note: COD-LEUKEMIA MONUC | | | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:11

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 3

TRT#: 2

SEX: Female

DAY ON TEST: 514

DOSE: UNTREATD CONTROL

DISP: Dead

HISTO: A85-0302

ORGAN AND ACCOUNTABLE SITE STATUS

Thymus

Hemorrhage

Marked

PRIMARY CAUSE OF DEATH

-

Animal Note: TGL # 5 (CARCASS) - NST

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:11

First Dose M/F: NA / NA

Lab: SRI

| | | | |
|---------------------|-------------------------------|---------------------------------|-------------------------|
| ANIMAL ID: 4 | TRT#: 2 | SEX: Female | DAY ON TEST: 729 |
| | DOSE: UNTREATD CONTROL | DISP: Terminal Sacrifice | HISTO: A85-0303 |

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|--------------------------|----------------------------|-------------------------|---------------------------|
| Adrenal Gland - Medulla | Bone | Bone Marrow | Brain |
| Clitoral Gland | Esophagus | Intestine Large - Cecum | Intestine Large - Colon |
| Intestine Large - Rectum | Intestine Small - Duodenum | Intestine Small - Ileum | Intestine Small - Jejunum |
| Islets, Pancreatic | Lymph Node - Mesenteric | Ovary | Pancreas |
| Parathyroid Gland | Pituitary Gland | Salivary Glands | Skin |
| Stomach - Forestomach | Thymus | Thyroid Gland | Trachea |
| Uterus | | | |

OBSERVATIONS

| | | | |
|----------------------|----------------|----------------------------|---------------------|
| Adrenal Gland | Cortex | Pigmentation | Minimal |
| Eye | Retina | Cataract | Moderate |
| | | Degeneration | Marked |
| Note: DEGEN | TGLs = 1-13 | | |
| Note: CATARACT | TGLs = 1-13 | | |
| Heart | | Cardiomyopathy | Chronic, Mild |
| Kidney | | Nephropathy | Chronic, Mild |
| | Renal Tubule | Pigmentation | Mild |
| Liver | | Basophilic Focus | |
| | | Developmental Malformation | |
| | | Granuloma | Moderate |
| | Bile Duct | Hyperplasia | Minimal |
| | Portal | Inflammation | Chronic, Minimal |
| Note: DEVELOP MALFOR | TGLs = 3-15 | | |
| Note: GRANULOMA | TGLs = 2-14 | | |
| Lung | Alveolus | Infiltration Cellular | Histiocyte, Minimal |
| | Arteriole | Mineralization | Minimal |
| Lymph Node | Mandibular | Hyperplasia | Lymphoid, Mild |
| Mammary Gland | Acinus | Ectasia | Moderate |
| Nose | Olfactory Epi | Degeneration | Mild |
| | Respirat Epith | Degeneration | Minimal |
| | Lumen | Hemorrhage | Mild |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:11

First Dose M/F: NA / NA

Lab: SRI

| | | | |
|---------------------|-------------------------------|---------------------------------|-------------------------|
| ANIMAL ID: 4 | TRT#: 2 | SEX: Female | DAY ON TEST: 729 |
| | DOSE: UNTREATD CONTROL | DISP: Terminal Sacrifice | HISTO: A85-0303 |

| ORGAN AND ACCOUNTABLE SITE STATUS | | | |
|--|-------------------|----------------------------------|-------------|
| | Mucosa | Inflammation | Acute, Mild |
| Spleen | | Hematopoietic Cell Proliferation | Mild |
| | | Pigmentation | Moderate |
| Stomach | Glandular, Mucosa | Dilatation | Mild |
| Urinary Bladder | | Mineralization | Mild |

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

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:11

First Dose M/F: NA / NA

Lab: SRI

| | | | |
|---------------------|-------------------------------|-----------------------|-------------------------|
| ANIMAL ID: 5 | TRT#: 2 | SEX: Female | DAY ON TEST: 548 |
| | DOSE: UNTREATD CONTROL | DISP: Moribund | HISTO: A85-0304 |

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|-------------------------|---------------------------|--------------------------|----------------------------|
| Bone | Brain | Clitoral Gland | Esophagus |
| Intestine Large - Cecum | Intestine Large - Colon | Intestine Large - Rectum | Intestine Small - Duodenum |
| Intestine Small - Ileum | Intestine Small - Jejunum | Islets, Pancreatic | Lymph Node - Mandibular |
| Ovary | Parathyroid Gland | Salivary Glands | Trachea |
| Urinary Bladder | | | |

MISSING

Thymus

OBSERVATIONS

| | | | |
|---|----------------|----------------------|--------------------|
| Adrenal Gland | Cortex | Degeneration | Fatty, Moderate |
| | Cortex | Leukemia Mononuclear | |
| | Medulla | Leukemia Mononuclear | |
| Bone Marrow | | Leukemia Mononuclear | |
| Heart | | Leukemia Mononuclear | |
| Kidney | | Nephropathy | Chronic, Mild |
| | Renal Tubule | Pigmentation | Minimal |
| Liver | | Leukemia Mononuclear | |
| Note: LEUKEMIA MONUC | TGLs = 3-2 | | |
| Lung | | Leukemia Mononuclear | |
| | Arteriole | Mineralization | Mild |
| Lymph Node | Mediastinal | Hyperplasia | Lymphoid, Moderate |
| | Mediastinal | Leukemia Mononuclear | |
| | Mesenteric | Leukemia Mononuclear | |
| Note: MEDIASTINAL HYPERPLASIA IN RECUT. | | | |
| Mammary Gland | Acinus | Ectasia | Moderate |
| Note: ECTASIA | TGLs = 1-7 | | |
| Nose | Olfactory Epi | Degeneration | Mild |
| | Respirat Epith | Degeneration | Mild |
| Ovary | | | |
| Note: TGL # 6-NCL | | | |
| Note: NORMAL CORPORA LUTEA | | | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:11

First Dose M/F: NA / NA

Lab: SRI

| | | | |
|---------------------|-------------------------------|-----------------------|-------------------------|
| ANIMAL ID: 5 | TRT#: 2 | SEX: Female | DAY ON TEST: 548 |
| | DOSE: UNTREATD CONTROL | DISP: Moribund | HISTO: A85-0304 |

ORGAN AND ACCOUNTABLE SITE STATUS

| | | | |
|--------------------------|-------------------|----------------------|-------------------|
| Pancreas | Acinus | Atrophy | Mild |
| Pituitary Gland | Pars Distalis | Adenoma | |
| Note: ADENOMA | TGLs = 4-1 | | |
| Skin | | Inflammation | Suppurative, Mild |
| Spleen | | Leukemia Mononuclear | |
| Note: LEUKEMIA MONUC | TGLs = 2-2 | | |
| Note: COD-LEUKEMIA MONUC | | | |
| Stomach | Glandular, Mucosa | Dilatation | Mild |
| | Forestomach | Hyperkeratosis | Mild |
| | Forestomach | Inflammation | Acute, Mild |
| Thyroid Gland | C Cell | Hyperplasia | Mild |
| Uterus | Endometrium | Hyperplasia | Cystic, Mild |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:11

First Dose M/F: NA / NA

Lab: SRI

| | | | |
|---------------------|-------------------------------|---------------------------------|-------------------------|
| ANIMAL ID: 6 | TRT#: 2 | SEX: Female | DAY ON TEST: 729 |
| | DOSE: UNTREATD CONTROL | DISP: Terminal Sacrifice | HISTO: A85-0305 |

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

| | | | |
|--------------------|------------------|----------------------|------------------|
| Adrenal Gland | Medulla | Pheochromocytoma Nos | |
| Clitoral Gland | Duct | Ectasia | Moderate |
| | | Inflammation | Chronic, Minimal |
| Note: ECTASIA | TGLs = 1-8 | | |
| Heart | | Cardiomyopathy | Chronic, Mild |
| Intestine Large | Colon | Parasite Metazoan | |
| Kidney | | Nephropathy | Chronic, Mild |
| | Renal Tubule | Pigmentation | Mild |
| Liver | | Angiectasis | Mild |
| | | Basophilic Focus | |
| | Portal | Inflammation | Chronic, Minimal |
| | | Leukemia Mononuclear | |
| Lung | | Hemorrhage | Mild |
| | | Leukemia Mononuclear | |
| Lymph Node | Mesenteric | Leukemia Mononuclear | |
| Mammary Gland | Acinus | Ectasia | Moderate |
| | Duct | Ectasia | Moderate |
| | | Fibroadenoma | |
| Note: FIBROADENOMA | TGLs = 2,3-13,14 | | |
| Nose | Mucosa | Cyst | |
| | Olfactory Epi | Degeneration | Mild |
| | Respirat Epith | Degeneration | Minimal |
| | Lumen | Hemorrhage | Mild |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014
Time Report Requested: 08:21:11
First Dose M/F: NA / NA
Lab: SRI

| | | | |
|---------------------|-------------------------------|---------------------------------|-------------------------|
| ANIMAL ID: 6 | TRT#: 2 | SEX: Female | DAY ON TEST: 729 |
| | DOSE: UNTREATD CONTROL | DISP: Terminal Sacrifice | HISTO: A85-0305 |

ORGAN AND ACCOUNTABLE SITE STATUS

| | | | |
|-----------------|-------------------|----------------------------------|---------|
| Pituitary Gland | Pars Distalis | Adenoma | |
| | Pars Distalis | Cyst | |
| | Pars Distalis | Hyperplasia | Mild |
| Spleen | | Hematopoietic Cell Proliferation | Mild |
| | | Leukemia Mononuclear | |
| | | Pigmentation | Mild |
| Stomach | Glandular, Mucosa | Dilatation | Mild |
| Thyroid Gland | C Cell | Hyperplasia | Minimal |

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

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:11

First Dose M/F: NA / NA

Lab: SRI

| | | | |
|---------------------|-------------------------------|---------------------------------|-------------------------|
| ANIMAL ID: 7 | TRT#: 2 | SEX: Female | DAY ON TEST: 729 |
| | DOSE: UNTREATD CONTROL | DISP: Terminal Sacrifice | HISTO: A85-0306 |

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

| | | | |
|---|-------------------|----------------------------------|------------------|
| Clitoral Gland Note: ECTASIA TGLs = 1-13 | Duct | Ectasia | Moderate |
| Heart | | Cardiomyopathy | Chronic, Mild |
| Intestine Large | Cecum | Parasite Metazoan | |
| Kidney | | Nephropathy | Chronic, Mild |
| | Renal Tubule | Pigmentation | Minimal |
| Liver | | Basophilic Focus | |
| | Bile Duct | Hyperplasia | Mild |
| | Portal | Inflammation | Chronic, Mild |
| Lung | Alveolus | Infiltration Cellular | Histiocyte, Mild |
| Lymph Node | Mandibular | Hyperplasia | Lymphoid, Mild |
| Mammary Gland | Acinus | Ectasia | Moderate |
| | | Fibroadenoma | |
| Note: ECTASIA TGLs = 2-7 | | | |
| Note: FIBROADENOMA TGLs = 3-14 | | | |
| Nose | Mucosa | Inflammation | Acute, Marked |
| Pancreas | Acinus | Atrophy | Minimal |
| Pituitary Gland | Pars Distalis | Cyst | |
| Note: CYST TGLs = 4-1 | | | |
| Spleen | | Hematopoietic Cell Proliferation | Moderate |
| | | Pigmentation | Mild |
| Stomach | Glandular, Mucosa | Dilatation | Mild |
| Thyroid Gland | C Cell | Hyperplasia | Mild |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:11

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 7

TRT#: 2

SEX: Female

DAY ON TEST: 729

DOSE: UNTREATD CONTROL

DISP: Terminal Sacrifice

HISTO: A85-0306

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:11

First Dose M/F: NA / NA

Lab: SRI

| | | | |
|---------------------|-------------------------------|-----------------------|-------------------------|
| ANIMAL ID: 8 | TRT#: 2 | SEX: Female | DAY ON TEST: 710 |
| | DOSE: UNTREATD CONTROL | DISP: Moribund | HISTO: A85-0307 |

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Thymus

OBSERVATIONS

| | | | |
|--|--------------|-----------------------|-------------------|
| Adrenal Gland | Medulla | Hyperplasia | Minimal |
| | Cortex | Hypertrophy | Mild |
| | Cortex | Pigmentation | Minimal |
| Bone | Cranium | Osteopetrosis | Moderate |
| | Femur | Osteopetrosis | Moderate |
| Note: OSTEOPETROSIS TGLs = 4-9,10,11,12,15 | | | |
| Heart | | Cardiomyopathy | Chronic, Minimal |
| Kidney | | Nephropathy | Chronic, Moderate |
| | Renal Tubule | Pigmentation | Mild |
| Liver | | Basophilic Focus | |
| | Portal | Inflammation | Chronic, Mild |
| Lung | | Hemorrhage | Minimal |
| | Alveolus | Infiltration Cellular | Histiocyte, Mild |
| Lymph Node | Mandibular | Hyperplasia | Lymphoid, Mild |
| | Mediastinal | Hyperplasia | Lymphoid, Mild |
| Mammary Gland | Acinus | Ectasia | Moderate |
| | Duct | Ectasia | Moderate |
| | | Fibroadenoma | |
| Note: ECTASIA TGLs = 3-7 | | | |
| Note: ECTASIA TGLs = 3-7 | | | |
| Note: FIBROADENOMA TGLs = 1,2-13,14 | | | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:11

First Dose M/F: NA / NA

Lab: SRI

| | | | |
|---------------------|-------------------------------|-----------------------|-------------------------|
| ANIMAL ID: 8 | TRT#: 2 | SEX: Female | DAY ON TEST: 710 |
| | DOSE: UNTREATD CONTROL | DISP: Moribund | HISTO: A85-0307 |

ORGAN AND ACCOUNTABLE SITE STATUS

| | | | |
|-----------------|-------------------|----------------------------------|-------------|
| Nose | Olfactory Epi | Degeneration | Mild |
| | Respirat Epith | Degeneration | Mild |
| | Lumen | Hemorrhage | Mild |
| | Nasolacrim Dct | Inflammation | Acute, Mild |
| Pituitary Gland | Pars Distalis | Adenoma | |
| Note: ADENOMA | TGLs = 5-1 | | |
| Spleen | | Hematopoietic Cell Proliferation | Moderate |
| | | Pigmentation | Mild |
| Stomach | Glandular, Mucosa | Dilatation | Mild |
| Thyroid Gland | C Cell | Hyperplasia | Mild |

PRIMARY CAUSE OF DEATH

-

Animal Note: COD-UNKNOWN

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:11

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 9

TRT#: 2

SEX: Female

DAY ON TEST: 729

DOSE: UNTREATD CONTROL

DISP: Terminal Sacrifice

HISTO: A85-0308

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

| | | | |
|--------------------|-------------------|----------------------------------|------------------|
| Adrenal Gland | Cortex | Pigmentation | Minimal |
| Heart | | Cardiomyopathy | Chronic, Mild |
| Kidney | | Nephropathy | Chronic, Mild |
| | Renal Tubule | Pigmentation | Mild |
| Liver | | Basophilic Focus | |
| | | Granuloma | Mild |
| Lung | Alveolus | Infiltration Cellular | Histiocyte, Mild |
| | Arteriole | Mineralization | Mild |
| Lymph Node | Mediastinal | Hyperplasia | Lymphoid, Mild |
| | Mesenteric | Hyperplasia | Lymphoid, Mild |
| Mammary Gland | Acinus | Ectasia | Mild |
| | | Fibroadenoma | |
| Note: FIBROADENOMA | TGLs = 1,2-13,14 | | |
| Nose | Olfactory Epi | Degeneration | Mild |
| | Respirat Epith | Degeneration | Minimal |
| | Lumen | Hemorrhage | Minimal |
| Pituitary Gland | Pars Distalis | Adenoma | |
| Spleen | | Hematopoietic Cell Proliferation | Mild |
| | | Pigmentation | Moderate |
| Stomach | Glandular, Mucosa | Dilatation | Mild |
| Thyroid Gland | C Cell | Hyperplasia | Mild |
| Uterus | Endometrium | Hyperplasia | Cystic, Moderate |
| | Endometrium | Polyp Stromal | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:11

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 9

TRT#: 2

SEX: Female

DAY ON TEST: 729

DOSE: UNTREATD CONTROL

DISP: Terminal Sacrifice

HISTO: A85-0308

ORGAN AND ACCOUNTABLE SITE STATUS

Note: POLYP STROMAL TGLs = 3-6

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:11

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 10

TRT#: 2

SEX: Female

DAY ON TEST: 629

DOSE: UNTREATD CONTROL

DISP: Moribund

HISTO: A85-0309

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|----------------------------|-------------------------|---------------------------|--------------------------|
| Adrenal Gland - Cortex | 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 |
| Ovary | Pancreas | Parathyroid Gland | Salivary Glands |
| Stomach - Forestomach | Thymus | Trachea | Urinary Bladder |
| Uterus | | | |

OBSERVATIONS

| | | | |
|--------------------|------------------|-----------------------|---------------------|
| Adrenal Gland | Medulla | Hyperplasia | Mild |
| Brain | | Compression | |
| | | Hemorrhage | Moderate |
| Note: HEMORRHAGE | TGLs = 7-1 | | |
| Note: COMPRESSION | TGLs = 6-1 | | |
| Heart | | Cardiomyopathy | Chronic, Minimal |
| Kidney | | Nephropathy | Chronic, Moderate |
| | Renal Tubule | Pigmentation | Mild |
| Liver | | Basophilic Focus | |
| | | Fatty Change | Minimal |
| | | Granuloma | Mild |
| Note: BASOPH FOCUS | TGLs = 4-15 | | |
| Lung | Alveolus | Infiltration Cellular | Histiocyte, Minimal |
| Lymph Node | Mandibular | Hyperplasia | Lymphoid, Moderate |
| | Mesenteric | Hyperplasia | Lymphoid, Moderate |
| Mammary Gland | Acinus | Ectasia | Moderate |
| | | Fibroadenoma | |
| Note: ECTASIA | TGLs = 1-7 | | |
| Note: FIBROADENOMA | TGLs = 2,3-13,14 | | |
| Nose | Olfactory Epi | Degeneration | Mild |
| | Lumen | Hemorrhage | Minimal |
| | Nasolacrim Dct | Inflammation | Acute, Mild |
| | Vomeronas Org | Inflammation | Acute, Mild |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014
Time Report Requested: 08:21:11
First Dose M/F: NA / NA
Lab: SRI

| | | | |
|----------------------|-------------------------------|-----------------------|-------------------------|
| ANIMAL ID: 10 | TRT#: 2 | SEX: Female | DAY ON TEST: 629 |
| | DOSE: UNTREATD CONTROL | DISP: Moribund | HISTO: A85-0309 |

ORGAN AND ACCOUNTABLE SITE STATUS

| | | | |
|--|-------------------|----------------------------------|----------------------|
| Pituitary Gland Note: ADENOMA TGLs = 5-1 Note: COD-ADENOMA | Pars Distalis | Adenoma | |
| Skin | | Inflammation | Chronic Active, Mild |
| Spleen | | Hematopoietic Cell Proliferation | Mild |
| | | Pigmentation | Moderate |
| Stomach | Glandular, Mucosa | Dilatation | Mild |
| Thyroid Gland | C Cell | Adenoma | |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:11

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 11

TRT#: 2

SEX: Female

DAY ON TEST: 730

DOSE: UNTREATD CONTROL

DISP: Terminal Sacrifice

HISTO: A85-0310

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|-------------------------|---------------------------|--------------------------|----------------------------|
| Adrenal Gland - Medulla | Bone | Bone Marrow | Brain |
| Esophagus | Intestine Large - Cecum | Intestine Large - Rectum | Intestine Small - Duodenum |
| Intestine Small - Ileum | Intestine Small - Jejunum | Islets, Pancreatic | Lung |
| Ovary | Salivary Glands | Stomach - Forestomach | Thymus |
| Trachea | Urinary Bladder | Uterus | |

MISSING

Parathyroid Gland

OBSERVATIONS

| | | | |
|--------------------|---------------|----------------------------------|-------------------------|
| Adrenal Gland | Cortex | Degeneration | Fatty, Mild |
| | Cortex | Pigmentation | Minimal |
| Clitoral Gland | | Inflammation | Chronic Active, Minimal |
| | | Inflammation | Chronic, Minimal |
| Heart | | Cardiomyopathy | Chronic, Mild |
| Intestine Large | Colon | Parasite Metazoan | |
| Kidney | | Nephropathy | Chronic, Mild |
| | Renal Tubule | Pigmentation | Mild |
| Liver | | Basophilic Focus | |
| Lymph Node | Mandibular | Hyperplasia | Lymphoid, Mild |
| | Mesenteric | Hyperplasia | Lymphoid, Moderate |
| Mammary Gland | Acinus | Ectasia | Mild |
| | | Fibroadenoma | |
| Note: FIBROADENOMA | TGLs = 2-14 | | |
| Nose | Olfactory Epi | Degeneration | Mild |
| | Lumen | Hemorrhage | Minimal |
| Pancreas | Acinus | Atrophy | Marked |
| Pituitary Gland | Pars Intermed | Adenoma | |
| Note: ADENOMA | TGLs = 3-1 | | |
| Skin | Subcut Tiss | Fibroma | |
| Note: FIBROMA | TGLs = 1-13 | | |
| Spleen | | Hematopoietic Cell Proliferation | Moderate |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:11

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 11

TRT#: 2

SEX: Female

DAY ON TEST: 730

DOSE: UNTREATD CONTROL

DISP: Terminal Sacrifice

HISTO: A85-0310

ORGAN AND ACCOUNTABLE SITE STATUS

Stomach
Thyroid Gland

Glandular, Mucosa
C Cell

Pigmentation
Dilatation
Hyperplasia

Moderate
Mild
Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:11

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 12

TRT#: 2

SEX: Female

DAY ON TEST: 716

DOSE: UNTREATD CONTROL

DISP: Moribund

HISTO: A85-0311

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|-------------------------|----------------------------|-------------------------|---------------------------|
| Bone | Bone Marrow | Esophagus | Intestine Large - Cecum |
| Intestine Large - Colon | Intestine Small - Duodenum | Intestine Small - Ileum | Intestine Small - Jejunum |
| Islets, Pancreatic | Ovary | Pancreas | Parathyroid Gland |
| Salivary Glands | Skin | Stomach - Forestomach | Thymus |
| Trachea | Urinary Bladder | Uterus | |

OBSERVATIONS

| | | | |
|----------------------------------|--------------|----------------------------|---------------------|
| Adrenal Gland | Cortex | Degeneration | Fatty, Mild |
| | Medulla | Hyperplasia | Mild |
| | Cortex | Pigmentation | Mild |
| Note: TGL # 9-NCL | | | |
| Brain | | Compression | |
| Clitoral Gland | | Inflammation | Chronic, Mild |
| Heart | | Cardiomyopathy | Chronic, Mild |
| Intestine Large | Rectum | Parasite Metazoan | |
| Kidney | | Nephropathy | Chronic, Mild |
| | Renal Tubule | Pigmentation | Mild |
| Liver | | Basophilic Focus | |
| | | Developmental Malformation | |
| | Bile Duct | Hyperplasia | Minimal |
| | | Leukemia Mononuclear | |
| | | Necrosis | Mild |
| Note: LEUKEMIA MONUC TGLs = 6-2 | | | |
| Note: COD-LEUKEMIA MONUC | | | |
| Note: DEVELOP MALFOR TGLs = 7-15 | | | |
| Lung | Alveolus | Infiltration Cellular | Histiocyte, Minimal |
| | | Leukemia Mononuclear | |
| | Arteriole | Mineralization | Minimal |
| Lymph Node | Mandibular | Hyperplasia | Lymphoid, Mild |
| | Mesenteric | Leukemia Mononuclear | |
| Mammary Gland | Acinus | Ectasia | Moderate |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:11

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 12

TRT#: 2

SEX: Female

DAY ON TEST: 716

DOSE: UNTREATD CONTROL

DISP: Moribund

HISTO: A85-0311

ORGAN AND ACCOUNTABLE SITE STATUS

| | | | |
|----------------------|-------------------|----------------------------------|-----------------|
| | Duct | Ectasia Fibroadenoma | Moderate |
| Note: FIBROADENOMA | TGLs = 3,4-13,14 | | |
| Note: ECTASIA | TGLs = 2-7 | | |
| Nose | Olfactory Epi | Degeneration | Mild |
| | Respirat Epith | Degeneration | Minimal |
| | Nasolacrim Dct | Hemorrhage | Mild |
| | Nasolacrim Dct | Inflammation | Acute, Moderate |
| | Pars Distalis | Adenoma | |
| Pituitary Gland | | | |
| Note: ADENOMA | TGLs = 8-1 | | |
| Skin | | | |
| Note: TGL # 1-NCL | | | |
| Spleen | | Hematopoietic Cell Proliferation | Mild |
| | | Leukemia Mononuclear | |
| | | Pigmentation | Mild |
| Note: LEUKEMIA MONUC | TGLs = 5-2 | | |
| Stomach | Glandular, Mucosa | Dilatation | Mild |
| Thyroid Gland | C Cell | Hyperplasia | Mild |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:11

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 13

TRT#: 2

SEX: Female

DAY ON TEST: 646

DOSE: UNTREATD CONTROL

DISP: Moribund

HISTO: A85-0312

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|---------------------------|-------------------------|----------------------------|-------------------------|
| Adrenal Gland - Medulla | Bone Marrow | Brain | Clitoral Gland |
| Esophagus | Intestine Large - Colon | Intestine Small - Duodenum | Intestine Small - Ileum |
| Intestine Small - Jejunum | Islets, Pancreatic | Ovary | Pancreas |
| Parathyroid Gland | Salivary Glands | Skin | Stomach - Forestomach |
| Trachea | Urinary Bladder | | |

OBSERVATIONS

| | | | |
|---------------------------------|----------------|----------------------------------|-------------------|
| Adrenal Gland | Cortex | Degeneration | Fatty, Moderate |
| Bone | Cranium | Osteopetrosis | Moderate |
| Note: OSTEOPETROSIS TGLs = 5-16 | | | |
| Eye | Retina | Degeneration | Marked |
| Note: DEGEN TGLs = 1-13 | | | |
| Heart | | Cardiomyopathy | Chronic, Mild |
| Intestine Large | Cecum | Parasite Metazoan | |
| | Rectum | Parasite Metazoan | |
| Kidney | | Nephropathy | Chronic, Moderate |
| | Renal Tubule | Pigmentation | Mild |
| Liver | Bile Duct | Hyperplasia | Minimal |
| Lung | | Leukemia Mononuclear | |
| Lymph Node | Arteriole | Mineralization | Mild |
| | Mandibular | Hyperplasia | Lymphoid, Mild |
| | Mesenteric | Leukemia Mononuclear | |
| Mammary Gland | Acinus | Ectasia | Mild |
| | | Fibroadenoma | |
| Note: ECTASIA TGLs = 2-7 | | | |
| Note: FIBROADENOMA TGLs = 3-14 | | | |
| Nose | Olfactory Epi | Degeneration | Mild |
| | Nasolacrim Dct | Inflammation | Acute, Mild |
| Pituitary Gland | Pars Distalis | Cyst | |
| Spleen | | Hematopoietic Cell Proliferation | Moderate |
| | | Pigmentation | Moderate |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:11

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 13

TRT#: 2

SEX: Female

DAY ON TEST: 646

DOSE: UNTREATD CONTROL

DISP: Moribund

HISTO: A85-0312

ORGAN AND ACCOUNTABLE SITE STATUS

| | | | |
|---------------|-------------------|---------------|----------------|
| Stomach | Glandular, Mucosa | Dilatation | Minimal |
| Thymus | | Hyperplasia | Lymphoid, Mild |
| Thyroid Gland | C Cell | Hyperplasia | Minimal |
| Uterus | Endometrium | Polyp Stromal | |

Note: POLYP STROMAL TGLs = 4-15

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:11

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 14

TRT#: 2

SEX: Female

DAY ON TEST: 675

DOSE: UNTREATD CONTROL

DISP: Moribund

HISTO: A85-0313

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|---------------------------|--------------------------|----------------------------|-------------------------|
| 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 | Ovary | Salivary Glands |
| Stomach - Forestomach | Thyroid Gland | Trachea | Urinary Bladder |

MISSING

Parathyroid Gland

OBSERVATIONS

| | | | |
|-------------------|---------------|------------------------|---------------------|
| Adrenal Gland | Medulla | Pheochromocytoma Nos | |
| | Cortex | Pigmentation | Minimal |
| Bone | Cranium | Fibrous Osteodystrophy | Marked |
| | Femur | Fibrous Osteodystrophy | Marked |
| Brain | | Compression | |
| Heart | | Cardiomyopathy | Chronic, Mild |
| Kidney | | Nephropathy | Chronic, Marked |
| | Renal Tubule | Pigmentation | Mild |
| Note: NEPHROPATHY | TGLs = 3-5 | | |
| Liver | | Basophilic Focus | |
| | Bile Duct | Hyperplasia | Minimal |
| | | Leukemia Mononuclear | |
| Lung | Alveolus | Infiltration Cellular | Histiocyte, Minimal |
| | | Leukemia Mononuclear | |
| | Arteriole | Mineralization | Mild |
| Lymph Node | Mandibular | Hyperplasia | Lymphoid, Mild |
| | Mesenteric | Hyperplasia | Lymphoid, Mild |
| | Mesenteric | Leukemia Mononuclear | |
| Mammary Gland | Acinus | Ectasia | Marked |
| | Duct | Ectasia | Marked |
| | Acinus | Hyperplasia | Marked |
| Note: ECTASIA | TGLs = 2-7 | | |
| Note: HYPERPLASIA | TGLs = 1-7,13 | | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:11

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 14

TRT#: 2

SEX: Female

DAY ON TEST: 675

DOSE: UNTREATD CONTROL

DISP: Moribund

HISTO: A85-0313

ORGAN AND ACCOUNTABLE SITE STATUS

| | | | |
|------------------------------|-------------------|----------------------------------|----------|
| Mesentery | Fat | Necrosis | Moderate |
| Note: NECROSIS TGLs = 4-14 | | | |
| Nose | Olfactory Epi | Degeneration | Mild |
| Pancreas | Acinus | Atrophy | Mild |
| Pituitary Gland | Pars Distalis | Adenoma | |
| Note: ADENOMA TGLs = 5-1+1.1 | | | |
| Note: COD-ADENOMA | | | |
| Skin | | Cyst Epithelial Inclusion | |
| Spleen | | Hematopoietic Cell Proliferation | Mild |
| | | Leukemia Mononuclear | |
| | | Pigmentation | Moderate |
| Stomach | Glandular, Mucosa | Dilatation | Mild |
| Thymus | | Leukemia Mononuclear | |
| Tooth | Peridont Tiss | Hemorrhage | Moderate |
| Uterus | Endometrium | Polyp Stromal | |
| PRIMARY CAUSE OF DEATH | - | | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:11

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 15

TRT#: 2

SEX: Female

DAY ON TEST: 709

DOSE: UNTREATD CONTROL

DISP: Moribund

HISTO: A85-0314

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|---------------------------|--------------------------|----------------------------|-------------------------|
| 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 | Ovary | Pancreas |
| Parathyroid Gland | Salivary Glands | Stomach - Forestomach | Stomach - Glandular |
| Thymus | Trachea | Urinary Bladder | |

OBSERVATIONS

| | | | |
|----------------------------------|--------------|----------------------------|---------------------|
| Adrenal Gland | Medulla | Hyperplasia | Mild |
| | Cortex | Pigmentation | Minimal |
| Bone | Rib | Hyperplasia | Mild |
| Brain | | Compression | |
| Heart | | Cardiomyopathy | Chronic, Mild |
| Kidney | | Nephropathy | Chronic, Moderate |
| | Renal Tubule | Pigmentation | Mild |
| Liver | | Angiectasis | Mild |
| | | Basophilic Focus | |
| | | Developmental Malformation | |
| | Bile Duct | Granuloma | Mild |
| | | Hyperplasia | Minimal |
| Note: DEVELOP MALFOR TGLs = 4-15 | | | |
| Lung | | Congestion | Mild |
| | Alveolus | Infiltration Cellular | Histiocyte, Minimal |
| | | Leukemia Mononuclear | |
| | Arteriole | Mineralization | Mild |
| Note: CONGESTION TGLs = 5-3 | | | |
| Lymph Node | Mandibular | Hyperplasia | Lymphoid, Mild |
| | Mesenteric | Hyperplasia | Lymphoid, Mild |
| | Mesenteric | Leukemia Mononuclear | |
| Mammary Gland | Acinus | Ectasia | Marked |
| | Acinus | Hyperplasia | Mild |
| Note: ECTASIA TGLs = 2-7,13 | | | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014
Time Report Requested: 08:21:11
First Dose M/F: NA / NA
Lab: SRI

| | | | |
|----------------------|-------------------------------|-----------------------|-------------------------|
| ANIMAL ID: 15 | TRT#: 2 | SEX: Female | DAY ON TEST: 709 |
| | DOSE: UNTREATD CONTROL | DISP: Moribund | HISTO: A85-0314 |

| ORGAN AND ACCOUNTABLE SITE STATUS | | | |
|--|---------------|----------------------------------|----------|
| Mesentery | Fat | Necrosis | Moderate |
| Note: NECROSIS TGLs = 3-14 | | | |
| Nose | Olfactory Epi | Degeneration | Mild |
| | Lumen | Hemorrhage | Minimal |
| Pituitary Gland | Pars Distalis | Adenoma | |
| Note: COD-ADENOMA | | | |
| Note: ADENOMA TGLs = 6-1 | | | |
| Skin | | Cyst Epithelial Inclusion | |
| Note: CYST EPITH INC TGLs = 1-13 | | | |
| Spleen | | Hematopoietic Cell Proliferation | Mild |
| | | Pigmentation | Moderate |
| Thyroid Gland | C Cell | Hyperplasia | Minimal |
| Uterus | Endometrium | Polyp Stromal | |

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

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:11

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 16

TRT#: 2

SEX: Female

DAY ON TEST: 662

DOSE: UNTREATD CONTROL

DISP: Moribund

HISTO: A85-0315

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|---------------------------|--------------------------|----------------------------|-------------------------|
| Bone | Brain | Esophagus | Intestine Large - Cecum |
| Intestine Large - Colon | Intestine Large - Rectum | Intestine Small - Duodenum | Intestine Small - Ileum |
| Intestine Small - Jejunum | Islets, Pancreatic | Parathyroid Gland | Skin |
| Trachea | Uterus | | |

OBSERVATIONS

| | | | |
|--------------------------|--------------|----------------------|---------------|
| Adrenal Gland | Cortex | Leukemia Mononuclear | |
| | Medulla | Leukemia Mononuclear | |
| Blood | | Leukemia Mononuclear | |
| Note: LEUKEMIA MONUC | TGLs = 1-61 | | |
| Bone Marrow | | Leukemia Mononuclear | |
| Clitoral Gland | | Leukemia Mononuclear | |
| Heart | | Cardiomyopathy | Chronic, Mild |
| | | Leukemia Mononuclear | |
| Kidney | | Nephropathy | Chronic, Mild |
| | Renal Tubule | Pigmentation | Mild |
| Liver | | Basophilic Focus | |
| | Bile Duct | Hyperplasia | Moderate |
| | | Leukemia Mononuclear | |
| Lung | | Leukemia Mononuclear | |
| Lymph Node | Mandibular | Leukemia Mononuclear | |
| | Mediastinal | Leukemia Mononuclear | |
| | Mesenteric | Leukemia Mononuclear | |
| | Pancreatic | Leukemia Mononuclear | |
| Note: LEUKEMIA MONUC | TGLs = 6-15 | | |
| Note: COD-LEUKEMIA MONUC | | | |
| Note: LEUKEMIA MONUC | TGLs = 5-14 | | |
| Note: LEUKEMIA MONUC | TGLs = 3-7 | | |
| Mammary Gland | Acinus | Ectasia | Moderate |
| | | Fibroadenoma | |
| | | Leukemia Mononuclear | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:11

First Dose M/F: NA / NA

Lab: SRI

| | | | |
|----------------------|-------------------------------|-----------------------|-------------------------|
| ANIMAL ID: 16 | TRT#: 2 | SEX: Female | DAY ON TEST: 662 |
| | DOSE: UNTREATD CONTROL | DISP: Moribund | HISTO: A85-0315 |

ORGAN AND ACCOUNTABLE SITE STATUS

| | | | | |
|------------------------|-------------|-------------------|----------------------|---------|
| Note: FIBROADENOMA | TGLs = 2-13 | | | |
| Nose | | Olfactory Epi | Degeneration | Mild |
| | | Respirat Epith | Degeneration | Minimal |
| Ovary | | | Leukemia Mononuclear | |
| Pancreas | | | Leukemia Mononuclear | |
| Pituitary Gland | | Pars Distalis | Cyst | |
| | | Pars Intermed | Cyst | |
| | | Pars Distalis | Leukemia Mononuclear | |
| | | Pars Intermed | Leukemia Mononuclear | |
| Note: CYST | TGLs = 7-1 | | | |
| Salivary Glands | | | Leukemia Mononuclear | |
| Spleen | | | Leukemia Mononuclear | |
| Note: LEUKEMIA MONUC | TGLs = 4-2 | | | |
| Stomach | | Glandular, Mucosa | Dilatation | Mild |
| | | Forestomach | Leukemia Mononuclear | |
| | | Glandular | Leukemia Mononuclear | |
| Thymus | | | Leukemia Mononuclear | |
| Thyroid Gland | | C Cell | Hyperplasia | Minimal |
| Urinary Bladder | | | Leukemia Mononuclear | |
| PRIMARY CAUSE OF DEATH | | - | | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:11

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 17

TRT#: 2

SEX: Female

DAY ON TEST: 730

DOSE: UNTREATD CONTROL

DISP: Terminal Sacrifice

HISTO: A85-0316

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 | Lymph Node - Mandibular |
| Ovary | Parathyroid Gland | Salivary Glands | Skin |
| Stomach - Forestomach | Trachea | Urinary Bladder | Uterus |

MISSING

Thymus

OBSERVATIONS

| | | | |
|--------------------|----------------|-----------------------|--------------------------|
| Adrenal Gland | Cortex | Hyperplasia | Mild |
| | Medulla | Hyperplasia | Mild |
| Clitoral Gland | | Inflammation | Chronic, Moderate |
| | | Inflammation | Chronic Active, Moderate |
| Heart | | Cardiomyopathy | Chronic, Mild |
| Kidney | | Nephropathy | Chronic, Mild |
| | Renal Tubule | Pigmentation | Minimal |
| Liver | | Basophilic Focus | |
| Lung | Alveolus | Infiltration Cellular | Histiocyte, Mild |
| | | Leukemia Mononuclear | |
| Lymph Node | Mesenteric | Hyperplasia | Lymphoid, Mild |
| | Mediastinal | Leukemia Mononuclear | |
| | Mesenteric | Leukemia Mononuclear | |
| Mammary Gland | Acinus | Ectasia | Marked |
| | Duct | Ectasia | Marked |
| | | Fibroadenoma | |
| Note: FIBROADENOMA | TGLs = 1-13 | | |
| Nose | Olfactory Epi | Degeneration | Mild |
| | Respirat Epith | Degeneration | Mild |
| | Lumen | Hemorrhage | Minimal |
| Pancreas | Acinus | Atrophy | Minimal |
| Pituitary Gland | Pars Distalis | Adenoma | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:11

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 17

TRT#: 2

SEX: Female

DAY ON TEST: 730

DOSE: UNTREATD CONTROL

DISP: Terminal Sacrifice

HISTO: A85-0316

ORGAN AND ACCOUNTABLE SITE STATUS

| | | | |
|------------------------|-------------------|----------------------------------|----------|
| | Pars Distalis | Cyst | |
| Note: CYST | TGLs = 2-1 | | |
| Note: ADENOMA | TGLs = 2-1 | | |
| Spleen | | Hematopoietic Cell Proliferation | Moderate |
| | | Pigmentation | Mild |
| Stomach | Glandular, Mucosa | Dilatation | Mild |
| | Glandular | Mineralization | Moderate |
| Thyroid Gland | C Cell | Hyperplasia | Minimal |
| PRIMARY CAUSE OF DEATH | - | | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:11

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 18

TRT#: 2

SEX: Female

DAY ON TEST: 730

DOSE: UNTREATD CONTROL

DISP: Terminal Sacrifice

HISTO: A85-0317

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 | Ovary | Salivary Glands | Skin |
| Stomach - Forestomach | Thymus | Trachea | Uterus |

MISSING

Parathyroid Gland

OBSERVATIONS

| | | | |
|--------------------|-------------------|----------------------------------|------------------|
| Adrenal Gland | Cortex | Degeneration | Fatty, Mild |
| Heart | | Cardiomyopathy | Chronic, Mild |
| | Coron Artery | Mineralization | Mild |
| Kidney | | Nephropathy | Chronic, Mild |
| | Renal Tubule | Pigmentation | Mild |
| Liver | | Basophilic Focus | |
| Lung | Alveolus | Infiltration Cellular | Histiocyte, Mild |
| Lymph Node | Mandibular | Hyperplasia | Lymphoid, Mild |
| | Mesenteric | Hyperplasia | Lymphoid, Mild |
| Mammary Gland | Acinus | Ectasia | Moderate |
| | Duct | Ectasia | Moderate |
| | | Fibroadenoma | |
| Note: ECTASIA | TGLs = 2-7 | | |
| Note: FIBROADENOMA | TGLs = 1-13 | | |
| Nose | Olfactory Epi | Degeneration | Mild |
| | Lumen | Hemorrhage | Mild |
| Pancreas | Acinus | Atrophy | Minimal |
| Pituitary Gland | Pars Distalis | Cyst | |
| | Pars Distalis | Hyperplasia | Mild |
| Spleen | | Hematopoietic Cell Proliferation | Mild |
| | | Pigmentation | Mild |
| Stomach | Glandular, Mucosa | Dilatation | Mild |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:11

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 18

TRT#: 2

SEX: Female

DAY ON TEST: 730

DOSE: UNTREATD CONTROL

DISP: Terminal Sacrifice

HISTO: A85-0317

ORGAN AND ACCOUNTABLE SITE STATUS

Thyroid Gland

Follicular Cel

Carcinoma

Note: CARCINOMA

TGLs = 4-3

Urinary Bladder

Transit Epithe

Papilloma

Note: PAPILLOMA

TGLs = 3-14

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:11

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 19

TRT#: 2

SEX: Female

DAY ON TEST: 730

DOSE: UNTREATD CONTROL

DISP: Terminal Sacrifice

HISTO: A85-0318

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|---------------------------|-------------------------|----------------------------|-------------------------|
| Bone | Bone Marrow | Brain | Esophagus |
| Intestine Large - Cecum | Intestine Large - Colon | Intestine Small - Duodenum | Intestine Small - Ileum |
| Intestine Small - Jejunum | Islets, Pancreatic | Ovary | Pancreas |
| Parathyroid Gland | Salivary Glands | Stomach - Forestomach | Trachea |
| Urinary Bladder | | | |

OBSERVATIONS

| | | | |
|--------------------|-----------------------|-----------------------|----------------------|
| Adrenal Gland | Cortex | Adenoma | |
| | Cortex | Degeneration | Fatty, Mild |
| | Cortex | Hypertrophy | Minimal |
| | Medulla | Pheochromocytoma Nos | |
| Clitoral Gland | | Adenoma | |
| | | Inflammation | Chronic Active, Mild |
| Note: ADENOMA | TGLs = 2-13 | | |
| Note: INFLAMMATION | TGLs = 1-13 | | |
| Heart | | Cardiomyopathy | Chronic, Mild |
| Intestine Large | Rectum | Parasite Metazoan | |
| Kidney | | Nephropathy | Chronic, Moderate |
| | Renal Tubule | Pigmentation | Mild |
| Liver | | Angiectasis | Mild |
| | | Basophilic Focus | |
| Lung | | Hemorrhage | Mild |
| | Alveolus | Infiltration Cellular | Histiocyte, Mild |
| | Arteriole | Mineralization | Mild |
| Lymph Node | Mandibular | Hyperplasia | Lymphoid, Mild |
| | Mediastinal | Hyperplasia | Lymphoid, Mild |
| | Mesenteric | Hyperplasia | Lymphoid, Mild |
| Mammary Gland | Acinus | Ectasia | Marked |
| | | Fibroadenoma | |
| Note: FIBROADENOMA | TGLs = 4,5,6-14,15,16 | | |
| Note: ECTASIA | TGLs = 3-7 | | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014
Time Report Requested: 08:21:11
First Dose M/F: NA / NA
Lab: SRI

| | | | |
|----------------------|-------------------------------|---------------------------------|-------------------------|
| ANIMAL ID: 19 | TRT#: 2 | SEX: Female | DAY ON TEST: 730 |
| | DOSE: UNTREATD CONTROL | DISP: Terminal Sacrifice | HISTO: A85-0318 |

ORGAN AND ACCOUNTABLE SITE STATUS

| | | | |
|-----------------|-------------------|----------------------------------|----------------------|
| Nose | Olfactory Epi | Degeneration | Mild |
| | Respirat Epith | Degeneration | Mild |
| | Lumen | Hemorrhage | Minimal |
| | Nasolacrim Dct | Inflammation | Acute, Mild |
| Pituitary Gland | Pars Distalis | Adenoma | |
| Note: ADENOMA | TGLs = 7-1 | | |
| Skin | | Inflammation | Chronic Active, Mild |
| Spleen | | Hematopoietic Cell Proliferation | Moderate |
| | | Pigmentation | Moderate |
| Stomach | Glandular, Mucosa | Dilatation | Mild |
| Thymus | | Cyst | |
| Thyroid Gland | C Cell | Hyperplasia | Minimal |
| Uterus | Endometrium | Hyperplasia | Cystic, Mild |

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

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:11

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 20

TRT#: 2

SEX: Female

DAY ON TEST: 617

DOSE: UNTREATD CONTROL

DISP: Moribund

HISTO: A85-0319

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 | Parathyroid Gland |
| Salivary Glands | Skin | Stomach - Forestomach | Trachea |
| Urinary Bladder | | | |

OBSERVATIONS

| | | | |
|----------------------|-----------------|----------------------|------------------|
| Adrenal Gland | Cortex | Degeneration | Fatty, Mild |
| | Cortex | Leukemia Mononuclear | |
| | Medulla | Leukemia Mononuclear | |
| Blood | | Leukemia Mononuclear | |
| Note: LEUKEMIA MONUC | TGLs = 1-61 | | |
| Bone Marrow | | Leukemia Mononuclear | |
| Heart | | Cardiomyopathy | Chronic, Minimal |
| Kidney | | Leukemia Mononuclear | |
| | Renal Tubule | Nephropathy | Chronic, Mild |
| | | Pigmentation | Moderate |
| Liver | | Leukemia Mononuclear | |
| Note: LEUKEMIA MONUC | TGLs = 10-2+2.1 | | |
| Lung | | Hemorrhage | Mild |
| | | Leukemia Mononuclear | |
| | Arteriole | Mineralization | Mild |
| Lymph Node | Iliac | Leukemia Mononuclear | |
| | Mandibular | Leukemia Mononuclear | |
| | Mesenteric | Leukemia Mononuclear | |
| | Renal | Leukemia Mononuclear | |
| Note: LEUKEMIA MONUC | TGLs = 8-15 | | |
| Note: LEUKEMIA MONUC | TGLs = 9-16 | | |
| Note: LEUKEMIA MONUC | TGLs = 7-4 | | |
| Note: LEUKEMIA MONUC | TGLs = 3-7 | | |
| Mammary Gland | Acinus | Ectasia | Mild |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:11

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 20

TRT#: 2

SEX: Female

DAY ON TEST: 617

DOSE: UNTREATD CONTROL

DISP: Moribund

HISTO: A85-0319

ORGAN AND ACCOUNTABLE SITE STATUS

| | | | | |
|--------------------------|---------------------|-------------------|----------------------------------|----------|
| Note: ECTASIA | TGLs = 2-7 | | | |
| Mesentery | | Fat | Necrosis | Marked |
| Note: NECROSIS | TGLs = 6-14 | | | |
| Nose | | Olfactory Epi | Degeneration | Mild |
| | | Respirat Epith | Degeneration | Minimal |
| Ovary | | | Leukemia Mononuclear | |
| Pancreas | | Acinus | Atrophy | Mild |
| | | | Leukemia Mononuclear | |
| Pituitary Gland | | Pars Distalis | Adenoma | |
| | | Pars Distalis | Leukemia Mononuclear | |
| Note: ADENOMA | TGLs = 11-1 | | | |
| Skin | | | | |
| Note: TGL # 1-NCL | | | | |
| Spleen | | | Hematopoietic Cell Proliferation | Moderate |
| | | | Leukemia Mononuclear | |
| Note: COD-LEUKEMIA MONUC | | | | |
| Note: LEUKEMIA MONUC | TGLs = 4,5-13,2+2.1 | | | |
| Stomach | | Glandular, Mucosa | Dilatation | Mild |
| Thymus | | | Leukemia Mononuclear | |
| Thyroid Gland | | Follicular Cel | Adenoma | |
| | | C Cell | Hyperplasia | Moderate |
| Note: ADENOMA | TGLs = 12-3 | | | |
| Uterus | | | Leukemia Mononuclear | |
| PRIMARY CAUSE OF DEATH | | - | | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:11

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 26

TRT#: 2

SEX: Female

DAY ON TEST: 730

DOSE: UNTREATD CONTROL

DISP: Terminal Sacrifice

HISTO: A85-0325

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Brain
Intestine Large - Colon
Intestine Small - Jejunum
Salivary Glands
Trachea

Adrenal Gland - Medulla
Clitoral Gland
Intestine Large - Rectum
Islets, Pancreatic
Skin
Urinary Bladder

Bone
Esophagus
Intestine Small - Duodenum
Ovary
Stomach - Forestomach

Bone Marrow
Intestine Large - Cecum
Intestine Small - Ileum
Parathyroid Gland
Thymus

OBSERVATIONS

| | | | |
|-----------------|-------------------------------|--|-------------------|
| Heart | | Cardiomyopathy Leukemia Mononuclear | Chronic, Mild |
| Kidney | | Nephropathy | Chronic, Moderate |
| | Renal Tubule | Pigmentation | Mild |
| Liver | | Basophilic Focus | |
| | Lung | Infiltration Cellular | Histiocyte, Mild |
| Lymph Node | | Leukemia Mononuclear | |
| | | Mineralization | Mild |
| | | Hyperplasia | Lymphoid, Mild |
| | | Hyperplasia | Lymphoid, Mild |
| Mammary Gland | | Leukemia Mononuclear | |
| | | Ectasia | Marked |
| Nose | | Degeneration | Mild |
| | | Inflammation | Acute, Moderate |
| Pancreas | | Atrophy | Moderate |
| | | Adenoma | |
| Pituitary Gland | | | |
| | Note: ADENOMA TGLs = 3-1 | | |
| Spleen | | Hematopoietic Cell Proliferation | Moderate |
| | | Hyperplasia | Lymphoid, Mild |
| Stomach | | Pigmentation | Mild |
| | | Dilatation | Mild |
| Thyroid Gland | | Carcinoma | |
| | Note: CARCINOMA TGLs = 2-3,13 | | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:11

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 26

TRT#: 2

SEX: Female

DAY ON TEST: 730

DOSE: UNTREATD CONTROL

DISP: Terminal Sacrifice

HISTO: A85-0325

ORGAN AND ACCOUNTABLE SITE STATUS

Uterus

Ectasia

Moderate

Note: ECTASIA TGLs = 1-6

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:11

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 27

TRT#: 2

SEX: Female

DAY ON TEST: 645

DOSE: UNTREATD CONTROL

DISP: Moribund

HISTO: A85-0326

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|-------------------------|---------------------------|--------------------------|----------------------------|
| 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 | Ovary |
| Parathyroid Gland | Salivary Glands | Stomach - Forestomach | Thymus |
| Trachea | Urinary Bladder | | |

OBSERVATIONS

| | | | |
|-------------------|----------------|----------------------|-------------------|
| Adrenal Gland | Cortex | Degeneration | Fatty, Mild |
| | Medulla | Hyperplasia | Mild |
| | Medulla | Pheochromocytoma Nos | |
| | Cortex | Pigmentation | Mild |
| | | Compression | |
| Brain | | | |
| Note: COMPRESSION | TGLs = 4-1 | | |
| Heart | | Cardiomyopathy | Chronic, Moderate |
| Kidney | | Nephropathy | Chronic, Moderate |
| | Renal Tubule | Pigmentation | Mild |
| Liver | | Basophilic Focus | |
| Lung | Alveolar Epith | Hyperplasia | Mild |
| | | Leukemia Mononuclear | |
| | Arteriole | Mineralization | Mild |
| Lymph Node | Mandibular | Hyperplasia | Lymphoid, Mild |
| | Mesenteric | Hyperplasia | Lymphoid, Mild |
| | Mesenteric | Leukemia Mononuclear | |
| Mammary Gland | Acinus | Ectasia | Moderate |
| Note: ECTASIA | TGLs = 2-7 | | |
| Nose | Olfactory Epi | Degeneration | Mild |
| | Respirat Epith | Degeneration | Minimal |
| | Nasolacrim Dct | Inflammation | Acute, Minimal |
| Pancreas | Acinus | Atrophy | Mild |
| Pituitary Gland | Pars Distalis | Adenoma | |
| Note: ADENOMA | TGLs = 3-1 | | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:11

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 27

TRT#: 2

SEX: Female

DAY ON TEST: 645

DOSE: UNTREATD CONTROL

DISP: Moribund

HISTO: A85-0326

ORGAN AND ACCOUNTABLE SITE STATUS

| | | | |
|-------------------|-------------------|----------------------------------|----------|
| Note: COD-ADENOMA | | | |
| Skin | Subcut Tiss | Fibroma | |
| Note: FIBROMA | TGLs = 1-13 | | |
| Spleen | | Hematopoietic Cell Proliferation | Mild |
| | | Pigmentation | Moderate |
| Stomach | Glandular, Mucosa | Dilatation | Mild |
| Thyroid Gland | C Cell | Hyperplasia | Minimal |
| Uterus | Endometrium | Polyp Stromal | |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:11

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 28

TRT#: 2

SEX: Female

DAY ON TEST: 573

DOSE: UNTREATD CONTROL

DISP: Dead

HISTO: A85-0327

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|--------------------------|----------------------------|-------------------------|---------------------------|
| Bone | Esophagus | Intestine Large - Cecum | Intestine Large - Colon |
| Intestine Large - Rectum | Intestine Small - Duodenum | Intestine Small - Ileum | Intestine Small - Jejunum |
| Islets, Pancreatic | Parathyroid Gland | Salivary Glands | Skin |
| Stomach - Forestomach | Stomach - Glandular | Thyroid Gland | Trachea |
| Urinary Bladder | Uterus | | |

OBSERVATIONS

| | | | |
|----------------------------------|--------------|----------------------|---------------|
| Adrenal Gland | Cortex | Degeneration | Fatty, Mild |
| | Cortex | Leukemia Mononuclear | |
| | Medulla | Leukemia Mononuclear | |
| Bone Marrow | | Leukemia Mononuclear | |
| Brain | | Leukemia Mononuclear | |
| Clitoral Gland | Duct | Ectasia | Moderate |
| Note: ECTASIA TGLs = 10-8 | | | |
| Heart | | Leukemia Mononuclear | |
| Kidney | | Leukemia Mononuclear | |
| | Renal Tubule | Nephropathy | Chronic, Mild |
| | | Pigmentation | Mild |
| Liver | | Leukemia Mononuclear | |
| Note: LEUKEMIA MONUC TGLs = 6-13 | | | |
| Note: COD-LEUKEMIA MONUC | | | |
| Lung | | Leukemia Mononuclear | |
| Note: LEUKEMIA MONUC TGLs = 8-3 | | | |
| Lymph Node | Mandibular | Leukemia Mononuclear | |
| | Mediastinal | Leukemia Mononuclear | |
| | Mesenteric | Leukemia Mononuclear | |
| | Pancreatic | Leukemia Mononuclear | |
| Note: LEUKEMIA MONUC TGLs = 7-3 | | | |
| Note: LEUKEMIA MONUC TGLs = 5-14 | | | |
| Mammary Gland | Duct | Ectasia | Mild |
| Note: ECTASIA TGLs = 1-7 | | | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:11

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 28

TRT#: 2

SEX: Female

DAY ON TEST: 573

DOSE: UNTREATD CONTROL

DISP: Dead

HISTO: A85-0327

ORGAN AND ACCOUNTABLE SITE STATUS

| | | | |
|----------------------|----------------|----------------------------------|------|
| Mesentery | | Leukemia Mononuclear | |
| Note: LEUKEMIA MONUC | TGLs = 5-14 | | |
| Nose | Olfactory Epi | Degeneration | Mild |
| | Respirat Epith | Degeneration | Mild |
| Ovary | | Leukemia Mononuclear | |
| Pancreas | | Leukemia Mononuclear | |
| Pituitary Gland | Pars Distalis | Adenoma | |
| | Pars Distalis | Leukemia Mononuclear | |
| | Pars Intermed | Leukemia Mononuclear | |
| | Pars Nervosa | Leukemia Mononuclear | |
| Note: ADENOMA | TGLs = 9-1 | | |
| Spleen | Capsule | Fibrosis | Mild |
| | | Hematopoietic Cell Proliferation | Mild |
| | | Leukemia Mononuclear | |
| Note: FIBROSIS | TGLs = 4-2 | | |
| Note: LEUKEMIA MONUC | TGLs = 3-2 | | |
| Thymus | | Leukemia Mononuclear | |

PRIMARY CAUSE OF DEATH

-

Animal Note: TGL # 2 (CAVITIES)-NCL

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:11

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 29

TRT#: 2

SEX: Female

DAY ON TEST: 594

DOSE: UNTREATD CONTROL

DISP: Moribund

HISTO: A85-0328

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 | Lymph Node - Mandibular | Parathyroid Gland | Salivary Glands |
| Skin | Thymus | Trachea | Urinary Bladder |
| Uterus | | | |

OBSERVATIONS

| | | | |
|----------------------|---------------|----------------------------|------------------|
| Adrenal Gland | Cortex | Degeneration | Fatty, Mild |
| | Cortex | Pigmentation | Minimal |
| Brain | | Compression | |
| Note: COMPRESSION | TGLs = 4-1 | | |
| Kidney | Renal Tubule | Nephropathy | Chronic, Mild |
| | | Pigmentation | Minimal |
| Liver | | Basophilic Focus | |
| | | Developmental Malformation | |
| | | Fatty Change | Mild |
| | Bile Duct | Hyperplasia | Minimal |
| | Hepatocyte | Hyperplasia | Mild |
| | Portal | Inflammation | Chronic, Minimal |
| Note: DEVELOP MALFOR | TGLs = 5-22 | | |
| Lung | Arteriole | Leukemia Mononuclear | |
| | | Mineralization | Mild |
| Lymph Node | Mesenteric | Leukemia Mononuclear | |
| Mammary Gland | Acinus | Ectasia | Mild |
| Mesentery | Fat | Necrosis | Moderate |
| Note: NECROSIS | TGLs = 2-13 | | |
| Nose | Olfactory Epi | Degeneration | Mild |
| Ovary | | Leukemia Mononuclear | |
| Pancreas | Acinus | Atrophy | Mild |
| Pituitary Gland | Pars Distalis | Adenoma | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014
Time Report Requested: 08:21:11
First Dose M/F: NA / NA
Lab: SRI

| | | | |
|----------------------|-------------------------------|-----------------------|-------------------------|
| ANIMAL ID: 29 | TRT#: 2 | SEX: Female | DAY ON TEST: 594 |
| | DOSE: UNTREATD CONTROL | DISP: Moribund | HISTO: A85-0328 |

ORGAN AND ACCOUNTABLE SITE STATUS

| | | | |
|-------------------|-------------|----------------------------------|-----------------|
| Note: ADENOMA | TGLs = 3-1 | | |
| Note: COD-ADENOMA | | | |
| Spleen | | Hematopoietic Cell Proliferation | Mild |
| | | Pigmentation | Moderate |
| Stomach | Forestomach | Inflammation | Acute, Moderate |
| | Glandular | Inflammation | Acute, Moderate |
| | Forestomach | Ulcer | Moderate |
| Note: ULCER | TGLs = 1-4 | | |
| Thyroid Gland | C Cell | Hyperplasia | Minimal |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:11

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 30

TRT#: 2

SEX: Female

DAY ON TEST: 730

DOSE: UNTREATD CONTROL

DISP: Terminal Sacrifice

HISTO: A85-0329

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

| | | | |
|---------------------------------|---------------|----------------------------------|---------------|
| Adrenal Gland | Cortex | Degeneration | Fatty, Mild |
| | Medulla | Hyperplasia | Mild |
| | Cortex | Pigmentation | Minimal |
| Heart | | Cardiomyopathy | Chronic, Mild |
| Kidney | | Nephropathy | Chronic, Mild |
| | Renal Tubule | Pigmentation | Mild |
| Liver | | Basophilic Focus | |
| | Bile Duct | Hyperplasia | Minimal |
| Lung | | Leukemia Mononuclear | |
| Lymph Node | Mesenteric | Leukemia Mononuclear | |
| Mammary Gland | Acinus | Ectasia | Mild |
| | | Fibroadenoma | |
| Note: FIBROADENOMA TGLs = 1-13 | | | |
| Nose | Olfactory Epi | Degeneration | Mild |
| | Lumen | Hemorrhage | Minimal |
| Ovary | | Leukemia Mononuclear | |
| Note: LEUKEMIA MONUC TGLs = 3-6 | | | |
| Pituitary Gland | Pars Distalis | Adenoma | |
| | Pars Distalis | Cyst | |
| Note: CYST TGLs = 2-1 | | | |
| Note: ADENOMA TGLs = 2-1 | | | |
| Spleen | | Hematopoietic Cell Proliferation | Mild |
| | | Pigmentation | Mild |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:11

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 30

TRT#: 2

SEX: Female

DAY ON TEST: 730

DOSE: UNTREATD CONTROL

DISP: Terminal Sacrifice

HISTO: A85-0329

ORGAN AND ACCOUNTABLE SITE STATUS

Stomach

Glandular, Mucosa

Dilatation

Mild

Thymus

Leukemia Mononuclear

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:11

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 31

TRT#: 2

SEX: Female

DAY ON TEST: 195

DOSE: UNTREATD CONTROL

DISP: Moribund

HISTO: A83027988

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|-------------------------|---------------------------|--------------------------|----------------------------|
| Bone | Bone Marrow | Brain | Clitoral Gland |
| Intestine Large - Cecum | Intestine Large - Colon | Intestine Large - Rectum | Intestine Small - Duodenum |
| Intestine Small - Ileum | Intestine Small - Jejunum | Islets, Pancreatic | Kidney |
| Lung | Lymph Node - Mandibular | Lymph Node - Mesenteric | Mammary Gland |
| Mesentery | Nose | Ovary | Pancreas |
| Parathyroid Gland | Pituitary Gland | Salivary Glands | Skin |
| Stomach - Forestomach | Stomach - Glandular | Thymus | Thyroid Gland |
| Trachea | Urinary Bladder | Vagina | |

MISSING

Esophagus

OBSERVATIONS

| | | | |
|----------------------------------|-------------|----------------------------------|----------------|
| Adrenal Gland | Cortex | Hematopoietic Cell Proliferation | Mild |
| | Medulla | Hematopoietic Cell Proliferation | Mild |
| Heart | | Hemorrhage | Mild |
| Intest Large | | | |
| Note: TGL # 5-NCL | | | |
| Liver | | Developmental Malformation | |
| | | Hematopoietic Cell Proliferation | Minimal |
| Note: DEVELOP MALFOR TGLs = 7-22 | | | |
| Note: TGL # 6-NCL | | | |
| Lymph Node | Inguinal | Hyperplasia | Lymphoid, Mild |
| Note: HYPERPLASIA TGLs = 1-8 | | | |
| Skeletal Muscle | | Rhabdomyosarcoma | |
| Note: COD-RHABDOMYOSARCOMA | | | |
| Note: RHABDOMYOSARC TGLs = 3-21 | | | |
| Spleen | | Hematopoietic Cell Proliferation | Minimal |
| Note: HEMA CELL PROL TGLs = 4-2 | | | |
| Uterus | Endometrium | Hyperplasia | Cystic, Mild |
| Vagina | | | |
| Note: TGL # 2-NCL | | | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:11

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 31

TRT#: 2

SEX: Female

DAY ON TEST: 195

DOSE: UNTREATD CONTROL

DISP: Moribund

HISTO: A83027988

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:11

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 32

TRT#: 2

SEX: Female

DAY ON TEST: 730

DOSE: UNTREATD CONTROL

DISP: Terminal Sacrifice

HISTO: A85-0331

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 |
| Lymph Node - Mesenteric | Ovary | Pancreas | Parathyroid Gland |
| Skin | Stomach - Forestomach | Stomach - Glandular | Trachea |
| Urinary Bladder | Uterus | | |

OBSERVATIONS

| | | | |
|---------------------------------|----------------|-----------------------|------------------|
| Adrenal Gland | Cortex | Hypertrophy | Mild |
| | Cortex | Leukemia Mononuclear | |
| | Cortex | Pigmentation | Minimal |
| Clitoral Gland | | Adenoma | |
| Heart | | Cardiomyopathy | Chronic, Mild |
| Kidney | | Nephropathy | Chronic, Mild |
| | Renal Tubule | Pigmentation | Mild |
| Liver | | Basophilic Focus | |
| Lung | Alveolus | Infiltration Cellular | Histiocyte, Mild |
| | | Leukemia Mononuclear | |
| | Arteriole | Mineralization | Mild |
| Note: LEUKEMIA MONUC TGLs = 2-3 | | | |
| Lymph Node | Mandibular | Hyperplasia | Lymphoid, Mild |
| Mammary Gland | Acinus | Ectasia | Marked |
| | Acinus | Hyperplasia | Moderate |
| Note: ECTASIA TGLs = 1-7 | | | |
| Note: HYPERPLASIA TGLs = 1-7 | | | |
| Nose | Olfactory Epi | Degeneration | Mild |
| | Respirat Epith | Degeneration | Mild |
| | Lumen | Hemorrhage | Mild |
| Pituitary Gland | Pars Distalis | Adenoma | |
| Note: ADENOMA TGLs = 3-1 | | | |
| Salivary Glands | Duct | Ectasia | Moderate |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:11

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 32

TRT#: 2

SEX: Female

DAY ON TEST: 730

DOSE: UNTREATD CONTROL

DISP: Terminal Sacrifice

HISTO: A85-0331

ORGAN AND ACCOUNTABLE SITE STATUS

| | | | |
|---------------|--------|----------------------|----------|
| Spleen | | Pigmentation | Moderate |
| Thymus | | Leukemia Mononuclear | |
| Thyroid Gland | C Cell | Hyperplasia | Minimal |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:11

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 33

TRT#: 2

SEX: Female

DAY ON TEST: 730

DOSE: UNTREATD CONTROL

DISP: Terminal Sacrifice

HISTO: A85-0332

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|---------------------------|--------------------------|----------------------------|-------------------------|
| Bone | Bone Marrow | Clitoral Gland | Esophagus |
| Intestine Large - Colon | Intestine Large - Rectum | Intestine Small - Duodenum | Intestine Small - Ileum |
| Intestine Small - Jejunum | Islets, Pancreatic | Ovary | Pancreas |
| Parathyroid Gland | Salivary Glands | Skin | Stomach - Forestomach |
| Thyroid Gland | Trachea | Urinary Bladder | |

OBSERVATIONS

| | | | |
|--------------------|----------------|----------------------|--------------------|
| Adrenal Gland | Cortex | Degeneration | Fatty, Mild |
| | Cortex | Leukemia Mononuclear | |
| | Medulla | Leukemia Mononuclear | |
| | Cortex | Pigmentation | Mild |
| Brain | | Compression | |
| Heart | | Cardiomyopathy | Chronic, Mild |
| Intestine Large | Cecum | Inflammation | Acute, Marked |
| Kidney | | Nephropathy | Chronic, Mild |
| | Renal Tubule | Pigmentation | Mild |
| Liver | | Basophilic Focus | |
| | Portal | Inflammation | Chronic, Moderate |
| | | Leukemia Mononuclear | |
| Lung | | Leukemia Mononuclear | |
| Lymph Node | Mandibular | Hyperplasia | Lymphoid, Mild |
| | Mesenteric | Hyperplasia | Lymphoid, Moderate |
| | Mandibular | Leukemia Mononuclear | |
| | Mesenteric | Leukemia Mononuclear | |
| Mammary Gland | Acinus | Ectasia | Marked |
| | | Fibroadenoma | |
| Note: FIBROADENOMA | TGLs = 1-13 | | |
| Nose | Olfactory Epi | Degeneration | Mild |
| | Respirat Epith | Degeneration | Mild |
| Pituitary Gland | Pars Distalis | Adenoma | |
| | Note: ADENOMA | TGLs = 3-1 | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:11

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 33

TRT#: 2

SEX: Female

DAY ON TEST: 730

DOSE: UNTREATD CONTROL

DISP: Terminal Sacrifice

HISTO: A85-0332

ORGAN AND ACCOUNTABLE SITE STATUS

| | | | |
|---------------------|-------------------|----------------------------------|----------|
| Spleen | | Hematopoietic Cell Proliferation | Mild |
| | | Leukemia Mononuclear | |
| | | Pigmentation | Moderate |
| Stomach | Glandular, Mucosa | Dilatation | Moderate |
| Thymus | | Leukemia Mononuclear | |
| Uterus | Endometrium | Polyp Stromal | |
| Note: POLYP STROMAL | TGLs = 2-6 | | |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:11

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 34

TRT#: 2

SEX: Female

DAY ON TEST: 701

DOSE: UNTREATD CONTROL

DISP: Moribund

HISTO: A85-0333

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|---------------------------|--------------------------|----------------------------|-------------------------|
| Adrenal Gland - Medulla | Bone Marrow | Esophagus | Intestine Large - Cecum |
| Intestine Large - Colon | Intestine Large - Rectum | Intestine Small - Duodenum | Intestine Small - Ileum |
| Intestine Small - Jejunum | Islets, Pancreatic | Lymph Node - Mesenteric | Ovary |
| Pancreas | Salivary Glands | Skin | Stomach - Forestomach |
| Trachea | Urinary Bladder | Uterus | |

MISSING

Parathyroid Gland

OBSERVATIONS

| | | | |
|--|---------------|-----------------------|------------------|
| Adrenal Gland | Cortex | Degeneration | Fatty, Minimal |
| | Cortex | Hypertrophy | Mild |
| Bone | Cranium | Osteopetrosis | Marked |
| Note: OSTEOPETROSIS TGLs = 3-10,11,12,13+13.1,15 | | | |
| Brain | | Compression | |
| Clitoral Gland | | Carcinoma | |
| Note: CARCINOMA TGLs = 2-14 | | | |
| Heart | | Cardiomyopathy | Chronic, Mild |
| Kidney | | Nephropathy | Chronic, Mild |
| | Renal Tubule | Pigmentation | Mild |
| Liver | | Basophilic Focus | |
| | Hepatocyte | Hyperplasia | Moderate |
| Note: COD-LEUKEMIA MONUC | | | |
| Lung | Alveolus | Infiltration Cellular | Histiocyte, Mild |
| | | Leukemia Mononuclear | |
| | Arteriole | Mineralization | Mild |
| Lymph Node | Mandibular | Hyperplasia | Lymphoid, Mild |
| Mammary Gland | Acinus | Ectasia | Moderate |
| | | Fibroadenoma | |
| Note: FIBROADENOMA TGLs = 1-13 | | | |
| Nose | Olfactory Epi | Degeneration | Mild |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014
Time Report Requested: 08:21:11
First Dose M/F: NA / NA
Lab: SRI

| | | | |
|----------------------|-------------------------------|-----------------------|-------------------------|
| ANIMAL ID: 34 | TRT#: 2 | SEX: Female | DAY ON TEST: 701 |
| | DOSE: UNTREATD CONTROL | DISP: Moribund | HISTO: A85-0333 |

| ORGAN AND ACCOUNTABLE SITE STATUS | | | |
|--|-------------------|----------------------------------|---------------|
| Pituitary Gland | Pars Distalis | Adenoma | |
| | Pars Distalis | Metaplasia | Osseous, Mild |
| Note: ADENOMA | TGLs = 4-1 | | |
| Spleen | | Hematopoietic Cell Proliferation | Moderate |
| | | Leukemia Mononuclear | |
| Stomach | Glandular, Mucosa | Dilatation | Minimal |
| Thymus | | Leukemia Mononuclear | |
| Thyroid Gland | C Cell | Hyperplasia | Mild |

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

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:11

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 35

TRT#: 2

SEX: Female

DAY ON TEST: 644

DOSE: UNTREATD CONTROL

DISP: Moribund

HISTO: A85-0334

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

| | | | |
|----------------------|----------------|--------------------------|---------------------|
| Adrenal Gland | Cortex | Pigmentation | Minimal |
| Brain | | Compression | |
| Note: COMPRESSION | TGLs = 6-1 | | |
| Heart | | Cardiomyopathy | Chronic, Mild |
| Kidney | | Nephropathy | Chronic, Moderate |
| | Renal Tubule | Pigmentation | Mild |
| Liver | | Basophilic Focus | |
| | | Fatty Change | Mild |
| Note: FATTY CHANGE | TGLs = 7-2 | | |
| Lung | Alveolus | Infiltration Cellular | Histiocyte, Minimal |
| | Arteriole | Mineralization | Minimal |
| Note: TGL # 4-NCL | | | |
| Lymph Node | Mediastinal | Congestion | Marked |
| | Mandibular | Hyperplasia | Lymphoid, Mild |
| | Mediastinal | Leukemia Mononuclear | |
| | | Lymphoma Malignant Mixed | |
| Note: LYMPH MAL MIXD | TGLs = 2-13 | | |
| Mammary Gland | Acinus | Ectasia | Marked |
| Note: ECTASIA | TGLs = 1-7 | | |
| Nose | Olfactory Epi | Degeneration | Mild |
| | Respirat Epith | Degeneration | Minimal |
| | Nasolacrim Dct | Inflammation | Acute, Mild |
| Pancreas | Acinus | Atrophy | Moderate |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:11

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 35

TRT#: 2

SEX: Female

DAY ON TEST: 644

DOSE: UNTREATD CONTROL

DISP: Moribund

HISTO: A85-0334

ORGAN AND ACCOUNTABLE SITE STATUS

Pituitary Gland

Pars Distalis

Adenoma

Note: ADENOMA TGLs = 5-1

Note: COD-ADENOMA

Skin

Cyst Epithelial Inclusion

Spleen

Hematopoietic Cell Proliferation

Mild

Pigmentation

Moderate

Stomach

Glandular, Mucosa

Dilatation

Mild

Thyroid Gland

C Cell

Hyperplasia

Mild

Vagina

Note: TGL # 3-NCL

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:11

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 36

TRT#: 2

SEX: Female

DAY ON TEST: 730

DOSE: UNTREATD CONTROL

DISP: Terminal Sacrifice

HISTO: A85-0335

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 | Lymph Node - Mandibular | Lymph Node - Mesenteric | Ovary |
| Pancreas | Salivary Glands | Skin | Stomach - Forestomach |
| Stomach - Glandular | Thymus | Trachea | Urinary Bladder |

MISSING

Parathyroid Gland

OBSERVATIONS

| | | | |
|-----------------|----------------|----------------------------------|-------------------|
| Brain | | Compression | |
| Heart | | Cardiomyopathy | Chronic, Mild |
| Kidney | | Nephropathy | Chronic, Moderate |
| | Renal Tubule | Pigmentation | Mild |
| Liver | | Basophilic Focus | |
| Lung | | Hemorrhage | Minimal |
| | | Leukemia Mononuclear | |
| | Arteriole | Mineralization | Mild |
| Lymph Node | Mediastinal | Congestion | Moderate |
| Mammary Gland | Acinus | Ectasia | Mild |
| | Duct | Ectasia | Moderate |
| Note: ECTASIA | TGLs = 1-7 | | |
| Nose | | Degeneration | Mild |
| | Olfactory Epi | Degeneration | Minimal |
| Pituitary Gland | Respirat Epith | | |
| Note: ADENOMA | Pars Distalis | Adenoma | |
| | TGLs = 2-1+1.1 | | |
| Spleen | | Hematopoietic Cell Proliferation | Mild |
| | | Pigmentation | Mild |
| Thyroid Gland | C Cell | Hyperplasia | Minimal |
| Uterus | Endometrium | Hyperplasia | Cystic, Minimal |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:11

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 36

TRT#: 2

SEX: Female

DAY ON TEST: 730

DOSE: UNTREATD CONTROL

DISP: Terminal Sacrifice

HISTO: A85-0335

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:11

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 37

TRT#: 2

SEX: Female

DAY ON TEST: 710

DOSE: UNTREATD CONTROL

DISP: Moribund

HISTO: A85-0336

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 |
| Ovary | Pancreas | Salivary Glands | Skin |
| Stomach - Forestomach | Trachea | Urinary Bladder | |

MISSING

Parathyroid Gland

OBSERVATIONS

| | | | |
|--------------------------------|----------------|----------------------|------------------|
| Adrenal Gland | Cortex | Degeneration | Fatty, Minimal |
| | Cortex | Hyperplasia | Mild |
| | Cortex | Leukemia Mononuclear | |
| Clitoral Gland | Duct | Ectasia | Mild |
| Note: ECTASIA TGLs = 4-8 | | | |
| Heart | | Cardiomyopathy | Chronic, Mild |
| Kidney | | Nephropathy | Chronic, Minimal |
| | Renal Tubule | Pigmentation | Minimal |
| Liver | | Basophilic Focus | |
| | Bile Duct | Hyperplasia | Minimal |
| | | Leukemia Mononuclear | |
| Note: COD-LEUKEMIA MONUC | | | |
| Lung | | Hemorrhage | Minimal |
| | | Leukemia Mononuclear | |
| Lymph Node | Mandibular | Hyperplasia | Lymphoid, Mild |
| | Mesenteric | Leukemia Mononuclear | |
| Mammary Gland | Acinus | Ectasia | Mild |
| | | Fibroadenoma | |
| Note: ECTASIA TGLs = 1-7 | | | |
| Note: FIBROADENOMA TGLs = 2-13 | | | |
| Nose | Olfactory Epi | Degeneration | Mild |
| | Respirat Epith | Degeneration | Mild |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014
Time Report Requested: 08:21:11
First Dose M/F: NA / NA
Lab: SRI

| | | | |
|----------------------|-------------------------------|-----------------------|-------------------------|
| ANIMAL ID: 37 | TRT#: 2 | SEX: Female | DAY ON TEST: 710 |
| | DOSE: UNTREATD CONTROL | DISP: Moribund | HISTO: A85-0336 |

ORGAN AND ACCOUNTABLE SITE STATUS

| | | | |
|--|------------------------|--|---------|
| Pituitary Gland Note: ADENOMA TGLs = 3-1 | Lumen Pars Distalis | Hemorrhage Adenoma | Minimal |
| Spleen | | Hematopoietic Cell Proliferation Leukemia Mononuclear | Mild |
| Stomach Thymus | Glandular, Mucosa | Dilatation Leukemia Mononuclear | Mild |
| Thyroid Gland Uterus | C Cell Endometrium | Hyperplasia Polyp Stromal | Minimal |

PRIMARY CAUSE OF DEATH

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:11

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 38

TRT#: 2

SEX: Female

DAY ON TEST: 730

DOSE: UNTREATD CONTROL

DISP: Terminal Sacrifice

HISTO: A85-0337

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Parathyroid Gland

OBSERVATIONS

| | | | |
|--------------------|------------------|-----------------------|--------------------------|
| Adrenal Gland | Cortex | Pigmentation | Minimal |
| Brain | | Compression | |
| Clitoral Gland | | Inflammation | Chronic, Mild |
| | | Inflammation | Chronic Active, Moderate |
| Eye | | Cataract | Moderate |
| | Retina | Degeneration | Marked |
| Note: CATARACT | TGLs = 3-16 | | |
| Note: DEGEN | TGLs = 3-16 | | |
| Heart | | Cardiomyopathy | Chronic, Mild |
| Kidney | | Nephropathy | Chronic, Moderate |
| | Renal Tubule | Pigmentation | Mild |
| Liver | | Basophilic Focus | |
| | Bile Duct | Hyperplasia | Mild |
| | Portal | Inflammation | Chronic, Mild |
| Lung | Alveolus | Infiltration Cellular | Histiocyte, Mild |
| | Arteriole | Mineralization | Mild |
| Lymph Node | Mandibular | Hyperplasia | Lymphoid, Mild |
| Mammary Gland | Acinus | Ectasia | Marked |
| | | Fibroadenoma | |
| Note: ECTASIA | TGLs = 4-7,15 | | |
| Note: FIBROADENOMA | TGLs = 1,2-13,14 | | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:11

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 38

TRT#: 2

SEX: Female

DAY ON TEST: 730

DOSE: UNTREATD CONTROL

DISP: Terminal Sacrifice

HISTO: A85-0337

ORGAN AND ACCOUNTABLE SITE STATUS

| | | | |
|--|-------------------|----------------------------------|--------------|
| Nose | Olfactory Epi | Degeneration | Mild |
| | Lumen | Hemorrhage | Mild |
| | Nasolacrim Dct | Inflammation | Acute, Mild |
| | Pars Distalis | Adenoma | |
| Pituitary Gland Note: ADENOMA TGLs = 5-1 | | | |
| Spleen | | Hematopoietic Cell Proliferation | Mild |
| Stomach | Glandular, Mucosa | Dilatation | Mild |
| | Glandular | Mineralization | Moderate |
| Uterus | Endometrium | Hyperplasia | Cystic, Mild |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:11

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 39

TRT#: 2

SEX: Female

DAY ON TEST: 640

DOSE: UNTREATD CONTROL

DISP: Moribund

HISTO: A85-0338

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

| | | | |
|---------------------|---------------------|----------------------------------|--------------------|
| Adrenal Gland | Cortex | Cyst | |
| | Cortex | Degeneration | Fatty, Minimal |
| | Cortex | Pigmentation | Minimal |
| Note: TGL # 6-NCL | | | |
| Bone | Cranium | Osteopetrosis | Marked |
| Note: OSTEOPETROSIS | TGLs = 8-10,16+16.1 | | |
| Brain | | Compression | |
| Clitoral Gland | | Abscess | Moderate |
| | | Carcinoma | |
| Note: CARCINOMA | TGLs = 3-13 | | |
| Note: ABSCESS | TGLs = 2-8 | | |
| Heart | | Cardiomyopathy | Chronic, Moderate |
| Intestine Large | Rectum | Parasite Metazoan | |
| Kidney | | Nephropathy | Chronic, Moderate |
| | Renal Tubule | Pigmentation | Mild |
| Liver | | Basophilic Focus | |
| | | Hematopoietic Cell Proliferation | Mild |
| Lung | | Alveolar/Bronchiolar Adenoma | |
| | Arteriole | Mineralization | Mild |
| Note: ALV BRON ADEN | TGLs = 7-3 | | |
| Lymph Node | Mandibular | Hyperplasia | Lymphoid, Moderate |
| Mammary Gland | Acinus | Ectasia | Mild |
| | | Fibroadenoma | |
| Note: ECTASIA | TGLs = 1-7 | | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:11

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 39

TRT#: 2

SEX: Female

DAY ON TEST: 640

DOSE: UNTREATD CONTROL

DISP: Moribund

HISTO: A85-0338

ORGAN AND ACCOUNTABLE SITE STATUS

| | | | |
|------------------------|-------------------|----------------------------------|----------|
| Note: FIBROADENOMA | TGLs = 4,5-14,15 | | |
| Nose | Olfactory Epi | Degeneration | Mild |
| Pituitary Gland | Pars Distalis | Adenoma | |
| Note: COD-ADENOMA | | | |
| Note: ADENOMA | TGLs = 9-1 | | |
| Spleen | | Hematopoietic Cell Proliferation | Moderate |
| | | Pigmentation | Moderate |
| Stomach | Glandular, Mucosa | Dilatation | Mild |
| Thyroid Gland | C Cell | Hyperplasia | Minimal |
| PRIMARY CAUSE OF DEATH | - | | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:11

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 40

TRT#: 2

SEX: Female

DAY ON TEST: 631

DOSE: UNTREATD CONTROL

DISP: Moribund

HISTO: A85-0339

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 | Lymph Node - Mesenteric |
| Ovary | Parathyroid Gland | Salivary Glands | Skin |
| Trachea | Urinary Bladder | Uterus | Vagina |

OBSERVATIONS

| | | | |
|----------------------|---------------|----------------------|----------------------|
| Adrenal Gland | Cortex | Degeneration | Fatty, Mild |
| | Cortex | Leukemia Mononuclear | |
| | Medulla | Leukemia Mononuclear | |
| | Cortex | Pigmentation | Minimal |
| Clitoral Gland | | Inflammation | Chronic Active, Mild |
| Heart | | Cardiomyopathy | Chronic, Mild |
| | | Leukemia Mononuclear | |
| Kidney | | Leukemia Mononuclear | |
| | | Nephropathy | Chronic, Mild |
| | Renal Tubule | Pigmentation | Mild |
| Liver | Bile Duct | Hyperplasia | Mild |
| | | Leukemia Mononuclear | |
| Note: LEUKEMIA MONUC | TGLs = 6-2 | | |
| Lung | | Leukemia Mononuclear | |
| | Arteriole | Mineralization | Mild |
| Lymph Node | Mandibular | Leukemia Mononuclear | |
| | Mediastinal | Leukemia Mononuclear | |
| Mammary Gland | Acinus | Ectasia | Moderate |
| | | Fibroadenoma | |
| Note: ECTASIA | TGLs = 1-7 | | |
| Note: FIBROADENOMA | TGLs = 2-13 | | |
| Mesentery | Fat | Necrosis | Moderate |
| Note: NECROSIS | TGLs = 3-14 | | |
| Nose | Olfactory Epi | Degeneration | Mild |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:11

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 40

TRT#: 2

SEX: Female

DAY ON TEST: 631

DOSE: UNTREATD CONTROL

DISP: Moribund

HISTO: A85-0339

ORGAN AND ACCOUNTABLE SITE STATUS

| | | | |
|--------------------------|-------------------|----------------------------------|----------|
| | Respirat Epith | Degeneration | Mild |
| | Lumen | Hemorrhage | Mild |
| Pancreas | Acinus | Atrophy | Mild |
| Pituitary Gland | Pars Distalis | Cyst | |
| | Pars Distalis | Hyperplasia | Moderate |
| Spleen | | Hematopoietic Cell Proliferation | Mild |
| | | Leukemia Mononuclear | |
| Note: LEUKEMIA MONUC | TGLs = 5-2 | | |
| Note: COD-LEUKEMIA MONUC | | | |
| Stomach | Glandular, Mucosa | Dilatation | Mild |
| | Forestomach | Leukemia Mononuclear | |
| | Glandular | Leukemia Mononuclear | |
| Thymus | | Leukemia Mononuclear | |
| Thyroid Gland | C Cell | Hyperplasia | Mild |
| Vagina | | | |
| Note: TGL # 4-NCL | | | |

PRIMARY CAUSE OF DEATH

-

Animal Note: TGL # 7 (CAVITIES)-NCL

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:11

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 41

TRT#: 2

SEX: Female

DAY ON TEST: 630

DOSE: UNTREATD CONTROL

DISP: Moribund

HISTO: A85-0340

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|-------------------------|---------------------------|--------------------------|----------------------------|
| Adrenal Gland - Medulla | Bone | Bone Marrow | Esophagus |
| Intestine Large - Cecum | Intestine Large - Colon | Intestine Large - Rectum | Intestine Small - Duodenum |
| Intestine Small - Ileum | Intestine Small - Jejunum | Islets, Pancreatic | Lymph Node - Mesenteric |
| Nose | Ovary | Pancreas | Parathyroid Gland |
| Salivary Glands | Stomach - Forestomach | Thymus | Trachea |
| Urinary Bladder | Uterus | Vagina | |

OBSERVATIONS

| | | | |
|--------------------|------------------|-----------------------|-----------------------|
| Adrenal Gland | Cortex | Hyperplasia | Minimal |
| | Cortex | Pigmentation | Minimal |
| Brain | | Compression | |
| Note: COMPRESSION | TGLs = 8-1 | | |
| Clitoral Gland | | Inflammation | Chronic, Minimal |
| Heart | | Cardiomyopathy | Chronic, Mild |
| Kidney | | Nephropathy | Chronic, Moderate |
| | Renal Tubule | Pigmentation | Mild |
| Note: NEPHROPATHY | TGLs = 5-5 | | |
| Liver | | Basophilic Focus | |
| | | Fatty Change | Mild |
| | | Necrosis | Moderate |
| Note: NECROSIS | TGLs = 6-15 | | |
| Lung | Alveolus | Infiltration Cellular | Histiocyte, Mild |
| Lymph Node | Mandibular | Hyperplasia | Lymphoid, Moderate |
| Mammary Gland | Acinus | Ectasia | Mild |
| | | Fibroadenoma | |
| Note: FIBROADENOMA | TGLs = 2,3-13,14 | | |
| Note: ECTASIA | TGLs = 1-7 | | |
| Pituitary Gland | Pars Distalis | Adenoma | |
| Note: COD-ADENOMA | | | |
| Note: ADENOMA | TGLs = 7-1 | | |
| Skin | | Inflammation | Suppurative, Moderate |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:11

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 41

TRT#: 2

SEX: Female

DAY ON TEST: 630

DOSE: UNTREATD CONTROL

DISP: Moribund

HISTO: A85-0340

ORGAN AND ACCOUNTABLE SITE STATUS

| | | | |
|-------------------|-------------------|----------------------------------|----------|
| Spleen | | Hematopoietic Cell Proliferation | Mild |
| | | Pigmentation | Moderate |
| Stomach | Glandular, Mucosa | Dilatation | Mild |
| Thyroid Gland | C Cell | Adenoma | |
| Vagina | | | |
| Note: TGL # 4-NCL | | | |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:11

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 42

TRT#: 2

SEX: Female

DAY ON TEST: 367

DOSE: UNTREATD CONTROL

DISP: Moribund

HISTO: A83029573

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

| | | | |
|---|---------------------------------|---|------------------------|
| Intestine Large Note: COD-LEIOMYOSARCOMA Note: LEIOMYOSAR TGLs = 4-23 | Rectum | Leiomyosarcoma | |
| Kidney | | Nephropathy | Chronic, Minimal |
| Liver | Bile Duct | Hyperplasia | Minimal |
| Lung | | Hemorrhage | Mild |
| | Alveolus | Infiltration Cellular | Histiocyte, Mild |
| Mammary Gland Note: FIBROADENOMA TGLs = 1-21 | | Fibroadenoma | |
| Nose | Olfactory Epi Nasolacrim Dct | Degeneration Inflammation | Mild Acute, Minimal |
| Spleen | | Hematopoietic Cell Proliferation Hyperplasia | Mild Lymphoid, Mild |
| Stomach | Glandular, Mucosa | Dilatation | Minimal |
| Thyroid Gland | C Cell | Hyperplasia | Minimal |
| Uterus | | Ectasia | Moderate |
| | Endometrium | Polyp Stromal | |
| Note: POLYP STROMAL TGLs = 3-22 Note: ECTASIA TGLs = 2-7 | | | |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:11

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 43

TRT#: 2

SEX: Female

DAY ON TEST: 699

DOSE: UNTREATD CONTROL

DISP: Moribund

HISTO: A85-0342

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

| | | | |
|---------------------|----------------|-----------------------|---|
| Adrenal Gland | Cortex | Degeneration | Fatty, Mild |
| | Cortex | Hyperplasia | Minimal |
| | Cortex | Pigmentation | Minimal |
| Brain | | Carcinoma | Deep Invasion (Pituitary Gland), Metastatic (Pituitary Gland) |
| Clitoral Gland | | Carcinoma | |
| Note: CARCINOMA | TGLs = 2-13 | | |
| Heart | | Cardiomyopathy | Chronic, Mild |
| Kidney | | Nephropathy | Chronic, Marked |
| | Renal Tubule | Pigmentation | Mild |
| Liver | | Basophilic Focus | |
| | Bile Duct | Hyperplasia | Minimal |
| Lung | | Hemorrhage | Mild |
| | Alveolus | Infiltration Cellular | Histiocyte, Mild |
| | Arteriole | Mineralization | Mild |
| Lymph Node | Mandibular | Hyperplasia | Lymphoid, Mild |
| Mammary Gland | | Fibroadenoma | |
| Note: FIBROADENOMA | TGLs = 1-13 | | |
| Nose | Olfactory Epi | Degeneration | Mild |
| | Respirat Epith | Degeneration | Mild |
| | Lumen | Hemorrhage | Mild |
| Pituitary Gland | Pars Distalis | Carcinoma | |
| Note: COD-CARCINOMA | | | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:11

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 43

TRT#: 2

SEX: Female

DAY ON TEST: 699

DOSE: UNTREATD CONTROL

DISP: Moribund

HISTO: A85-0342

ORGAN AND ACCOUNTABLE SITE STATUS

Note: CARCINOMA TGLs = 3-1

Spleen

Hematopoietic Cell Proliferation

Mild

Pigmentation

Moderate

Stomach

Glandular, Mucosa

Dilatation

Mild

Thyroid Gland

C Cell

Adenoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:11

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 44

TRT#: 2

SEX: Female

DAY ON TEST: 617

DOSE: UNTREATD CONTROL

DISP: Moribund

HISTO: A85-0343

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

| | | | |
|-------------------|------------------|-----------------------|---|
| Adrenal Gland | Cortex | Degeneration | Fatty, Minimal |
| Brain | | Carcinoma | Deep Invasion (Pituitary Gland), Metastatic (Pituitary Gland) |
| | | Compression | |
| Note: CARCINOMA | TGLs = 7-1 | | |
| Note: COMPRESSION | TGLs = 8-1 | | |
| Clitoral Gland | | Carcinoma | |
| Note: CARCINOMA | TGLs = 3,9-8 | | |
| Heart | | Cardiomyopathy | Chronic, Mild |
| Kidney | | Nephropathy | Chronic, Moderate |
| | Renal Tubule | Pigmentation | Mild |
| Liver | | Basophilic Focus | |
| | | Fatty Change | Moderate |
| | Bile Duct | Hyperplasia | Minimal |
| Lung | | Hemorrhage | Minimal |
| | Alveolus | Infiltration Cellular | Histiocyte, Mild |
| Mammary Gland | | Adenoma | |
| | Acinus | Ectasia | Mild |
| Note: ADENOMA | TGLs = 1,2-13,14 | | |
| Nose | Olfactory Epi | Degeneration | Mild |
| | Respirat Epith | Degeneration | Mild |
| | Nasolacrim Dct | Inflammation | Acute, Mild |
| Pituitary Gland | Pars Intermed | Carcinoma | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:11

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 44

TRT#: 2

SEX: Female

DAY ON TEST: 617

DOSE: UNTREATD CONTROL

DISP: Moribund

HISTO: A85-0343

ORGAN AND ACCOUNTABLE SITE STATUS

Note: CARCINOMA TGLs = 6-1

Note: COD-CARCINOMA

Salivary Glands

Spleen

Stomach

Thyroid Gland

Uterus

Note: POLYP STROMAL TGLs = 4-15

Vagina

Note: TGL # 5-NCL

Glandular, Mucosa

Forestomach

C Cell

Endometrium

Inflammation

Pigmentation

Dilatation

Inflammation

Adenoma

Polyp Stromal

Acute, Moderate

Marked

Mild

Chronic, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:11

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 45

TRT#: 2

SEX: Female

DAY ON TEST: 730

DOSE: UNTREATD CONTROL

DISP: Terminal Sacrifice

HISTO: A85-0344

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|---------------------------|--------------------------|----------------------------|-------------------------|
| Bone Marrow | Brain | Esophagus | Intestine Large - Cecum |
| Intestine Large - Colon | Intestine Large - Rectum | Intestine Small - Duodenum | Intestine Small - Ileum |
| Intestine Small - Jejunum | Islets, Pancreatic | Ovary | Parathyroid Gland |
| Salivary Glands | Skin | Trachea | Urinary Bladder |
| Uterus | | | |

OBSERVATIONS

| | | | |
|---|---------------|-----------------------------------|----------------------|
| Adrenal Gland | Cortex | Accessory Adrenal Cortical Nodule | |
| | Cortex | Degeneration | Fatty, Mild |
| | Cortex | Hyperplasia | Mild |
| | Medulla | Pheochromocytoma Nos | |
| | Cortex | Pigmentation | Minimal |
| Bone Note: OSTEOPETROSIS TGLs = 2-14 | Cranium | Osteopetrosis | Moderate |
| | | Carcinoma | |
| Clitoral Gland | | Inflammation | Chronic Active, Mild |
| | | Inflammation | Chronic, Minimal |
| | | Cardiomyopathy | Chronic, Mild |
| Heart | | Nephropathy | Chronic, Moderate |
| | | Pigmentation | Mild |
| Kidney | Renal Tubule | Basophilic Focus | |
| | | Hyperplasia | Mild |
| Liver | Bile Duct | Inflammation | Chronic, Minimal |
| | Portal | Infiltration Cellular | Histiocyte, Mild |
| Lung | Alveolus | Congestion | Mild |
| | Mesenteric | Hyperplasia | Lymphoid, Moderate |
| Lymph Node | Mandibular | Ectasia | Moderate |
| | Acinus | Ectasia | Mild |
| Mammary Gland | Duct | Fibroadenoma | |
| | | | |
| Nose Note: FIBROADENOMA TGLs = 1-13 | Olfactory Epi | Degeneration | Mild |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:11

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 45

TRT#: 2

SEX: Female

DAY ON TEST: 730

DOSE: UNTREATD CONTROL

DISP: Terminal Sacrifice

HISTO: A85-0344

ORGAN AND ACCOUNTABLE SITE STATUS

| | | | |
|------------------------|-------------------|----------------------------------|----------------|
| | Respirat Epith | Degeneration | Mild |
| | Lumen | Hemorrhage | Mild |
| Pancreas | Acinus | Atrophy | Mild |
| Pituitary Gland | Pars Distalis | Hyperplasia | Mild |
| Spleen | | Hematopoietic Cell Proliferation | Mild |
| | | Pigmentation | Mild |
| Stomach | Glandular, Mucosa | Dilatation | Mild |
| | Forestomach | Mineralization | Mild |
| | Glandular | Mineralization | Mild |
| Thymus | | Hyperplasia | Lymphoid, Mild |
| Thyroid Gland | C Cell | Hyperplasia | Moderate |
| PRIMARY CAUSE OF DEATH | - | | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:11

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 51

TRT#: 2

SEX: Female

DAY ON TEST: 561

DOSE: UNTREATD CONTROL

DISP: Moribund

HISTO: A85-0350

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|---------------------------|--------------------------|----------------------------|-------------------------|
| Adrenal Gland - Medulla | Bone | Bone Marrow | Esophagus |
| Intestine Large - Cecum | Intestine Large - Rectum | Intestine Small - Duodenum | Intestine Small - Ileum |
| Intestine Small - Jejunum | Islets, Pancreatic | Lung | Ovary |
| Pancreas | Parathyroid Gland | Salivary Glands | Skin |
| Stomach - Forestomach | Thymus | Thyroid Gland | Trachea |
| Urinary Bladder | Uterus | | |

OBSERVATIONS

| | | | |
|-------------------|-------------------|----------------------------------|-------------------|
| Adrenal Gland | Cortex | Degeneration | Fatty, Moderate |
| Brain | | Compression | |
| Clitoral Gland | | Adenoma | |
| Heart | | Cardiomyopathy | Chronic, Minimal |
| Intestine Large | Colon | Parasite Metazoan | |
| Kidney | | Nephropathy | Chronic, Moderate |
| | Renal Tubule | Pigmentation | Minimal |
| Liver | | Basophilic Focus | |
| | | Fatty Change | Mild |
| | Bile Duct | Hyperplasia | Minimal |
| Lymph Node | Mandibular | Hyperplasia | Lymphoid, Mild |
| | Mesenteric | Hyperplasia | Lymphoid, Mild |
| Mammary Gland | Acinus | Ectasia | Marked |
| Note: ECTASIA | | | |
| TGLs = 1-7 | | | |
| Nose | Olfactory Epi | Degeneration | Mild |
| | Lumen | Hemorrhage | Minimal |
| | Nasolacrim Dct | Inflammation | Acute, Mild |
| Pituitary Gland | Pars Distalis | Adenoma | |
| Note: COD-ADENOMA | | | |
| Note: ADENOMA | | | |
| TGLs = 2-1 | | | |
| Spleen | | Hematopoietic Cell Proliferation | Mild |
| | | Pigmentation | Moderate |
| Stomach | Glandular, Mucosa | Dilatation | Mild |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:11

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 51

TRT#: 2

SEX: Female

DAY ON TEST: 561

DOSE: UNTREATD CONTROL

DISP: Moribund

HISTO: A85-0350

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:11

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 52

TRT#: 2

SEX: Female

DAY ON TEST: 730

DOSE: UNTREATD CONTROL

DISP: Terminal Sacrifice

HISTO: A85-0351

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 | Parathyroid Gland |
| Skin | Stomach - Forestomach | Thymus | Trachea |
| Urinary Bladder | Uterus | | |

OBSERVATIONS

| | | | |
|-----------------|----------------|----------------------------------|------------------|
| Adrenal Gland | Cortex | Degeneration | Fatty, Mild |
| | Medulla | Pheochromocytoma Nos | |
| | Cortex | Pigmentation | Mild |
| Clitoral Gland | | Inflammation | Chronic, Mild |
| Heart | | Cardiomyopathy | Chronic, Mild |
| Kidney | | Nephropathy | Chronic, Marked |
| | Renal Tubule | Pigmentation | Mild |
| Liver | | Basophilic Focus | |
| Lung | | Hemorrhage | Minimal |
| | Alveolus | Infiltration Cellular | Histiocyte, Mild |
| | | Leukemia Mononuclear | |
| Lymph Node | Mandibular | Hyperplasia | Lymphoid, Mild |
| | Mesenteric | Leukemia Mononuclear | |
| Mammary Gland | Acinus | Ectasia | Mild |
| Nose | Olfactory Epi | Degeneration | Mild |
| | Respirat Epith | Degeneration | Moderate |
| Ovary | Periovarn Tiss | Cyst | |
| Note: CYST | | | |
| | | | |
| Pancreas | Acinus | Atrophy | Marked |
| Pituitary Gland | Pars Distalis | Adenoma | |
| | Pars Intermed | Adenoma | |
| Salivary Glands | Acinus | Atrophy | Mild |
| Spleen | | Hematopoietic Cell Proliferation | Mild |
| | | Leukemia Mononuclear | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:11

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 52

TRT#: 2

SEX: Female

DAY ON TEST: 730

DOSE: UNTREATD CONTROL

DISP: Terminal Sacrifice

HISTO: A85-0351

ORGAN AND ACCOUNTABLE SITE STATUS

| | | | |
|---------------|-------------------|--------------|------|
| Stomach | Glandular, Mucosa | Pigmentation | Mild |
| Thyroid Gland | C Cell | Dilatation | Mild |
| | | Hyperplasia | Mild |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:11

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 53

TRT#: 2

SEX: Female

DAY ON TEST: 730

DOSE: UNTREATD CONTROL

DISP: Terminal Sacrifice

HISTO: A85-0352

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

| | | | |
|--------------------|----------------|----------------------------------|---------------|
| Adrenal Gland | Cortex | Angiectasis | Moderate |
| | Cortex | Pigmentation | Minimal |
| Eye | Retina | Cataract | Marked |
| | | Degeneration | Marked |
| Note: DEGEN | TGLs = 1-14 | | |
| Note: CATARACT | TGLs = 1-14 | | |
| Heart | | Cardiomyopathy | Chronic, Mild |
| Kidney | | Nephropathy | Chronic, Mild |
| | Renal Tubule | Pigmentation | Mild |
| Liver | | Basophilic Focus | |
| | | Hematopoietic Cell Proliferation | Mild |
| | Portal | Inflammation | Chronic, Mild |
| Lung | Arteriole | Mineralization | Mild |
| Mammary Gland | Acinus | Ectasia | Marked |
| | | Fibroadenoma | |
| | Acinus | Hyperplasia | Mild |
| Note: HYPERPLASIA | TGLs = 2-7 | | |
| Note: ECTASIA | TGLs = 2-7 | | |
| Note: FIBROADENOMA | TGLs = 3-13 | | |
| Nose | Olfactory Epi | Degeneration | Mild |
| | Respirat Epith | Degeneration | Mild |
| | Lumen | Hemorrhage | Mild |
| Pituitary Gland | Pars Distalis | Adenoma | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014
Time Report Requested: 08:21:11
First Dose M/F: NA / NA
Lab: SRI

| | | | |
|----------------------|-------------------------------|---------------------------------|-------------------------|
| ANIMAL ID: 53 | TRT#: 2 | SEX: Female | DAY ON TEST: 730 |
| | DOSE: UNTREATD CONTROL | DISP: Terminal Sacrifice | HISTO: A85-0352 |

ORGAN AND ACCOUNTABLE SITE STATUS

| | | | |
|---------------|-------------------|----------------------------------|-----------------------------|
| Note: ADENOMA | TGLs = 4-1 | | |
| Spleen | | Hematopoietic Cell Proliferation | Mild |
| | | Hyperplasia | Lymphoid, Histiocytic, Mild |
| | | Pigmentation | Mild |
| Stomach | Glandular, Mucosa | Dilatation | Mild |
| Thyroid Gland | C Cell | Adenoma | |
| | C Cell | Hyperplasia | Mild |
| Uterus | | Ectasia | Mild |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:11

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 54

TRT#: 2

SEX: Female

DAY ON TEST: 730

DOSE: UNTREATD CONTROL

DISP: Terminal Sacrifice

HISTO: A85-0353

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 |
| Ovary | Pancreas | Parathyroid Gland | Salivary Glands |
| Skin | Stomach - Forestomach | Thymus | Trachea |
| Urinary Bladder | | | |

OBSERVATIONS

| | | | |
|--------------------------------|--------------|----------------------------------|--------------------|
| Adrenal Gland | Cortex | Degeneration | Fatty, Minimal |
| | Cortex | Pigmentation | Minimal |
| Clitoral Gland | | Carcinoma | |
| Note: CARCINOMA TGLs = 3-8 | | | |
| Eye | | Cataract | Mild |
| | Retina | Degeneration | Moderate |
| Note: CATARACT TGLs = 1-15 | | | |
| Note: DEGEN TGLs = 1-15 | | | |
| Heart | | Cardiomyopathy | Chronic, Mild |
| Kidney | | Nephropathy | Chronic, Moderate |
| | Renal Tubule | Pigmentation | Mild |
| Liver | | Basophilic Focus | |
| | | Hematopoietic Cell Proliferation | Mild |
| | Bile Duct | Hyperplasia | Minimal |
| | Portal | Inflammation | Chronic, Minimal |
| Lung | | Hemorrhage | Minimal |
| Note: HEMORRHAGE TGLs = 6-3 | | | |
| Lymph Node | Mandibular | Hyperplasia | Lymphoid, Mild |
| | Mesenteric | Hyperplasia | Lymphoid, Moderate |
| Mammary Gland | Acinus | Ectasia | Moderate |
| | | Fibroadenoma | |
| Note: FIBROADENOMA TGLs = 4-13 | | | |
| Note: ECTASIA TGLs = 2-8 | | | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014
Time Report Requested: 08:21:12
First Dose M/F: NA / NA
Lab: SRI

| | | | |
|--|-------------------------------|----------------------------------|-------------------------|
| ANIMAL ID: 54 | TRT#: 2 | SEX: Female | DAY ON TEST: 730 |
| | DOSE: UNTREATD CONTROL | DISP: Terminal Sacrifice | HISTO: A85-0353 |
| ORGAN AND ACCOUNTABLE SITE STATUS | | | |
| Mesentery Note: NECROSIS TGLs = 5-14 | Fat | Necrosis | Marked |
| Nose | Olfactory Epi | Degeneration | Mild |
| | Respirat Epith | Degeneration | Mild |
| | Lumen | Hemorrhage | Mild |
| | Nasolacrim Dct | Inflammation | Acute, Moderate |
| Pituitary Gland Note: ADENOMA TGLs = 7-1 | Pars Distalis | Adenoma | |
| Spleen | | Hematopoietic Cell Proliferation | Moderate |
| | | Pigmentation | Mild |
| Stomach | Glandular, Mucosa | Dilatation | Mild |
| Thyroid Gland | C Cell | Hyperplasia | Minimal |
| Uterus | Endometrium | Hyperplasia | Cystic, Mild |
| PRIMARY CAUSE OF DEATH | - | | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:12

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 55

TRT#: 2

SEX: Female

DAY ON TEST: 575

DOSE: UNTREATD CONTROL

DISP: Moribund

HISTO: A85-0354

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Parathyroid Gland

OBSERVATIONS

| | | | |
|--------------------|------------------|----------------------------------|---------------------|
| Heart | | Cardiomyopathy | Chronic, Minimal |
| Kidney | | Nephropathy | Chronic, Minimal |
| | Renal Tubule | Pigmentation | Minimal |
| Liver | | Basophilic Focus | |
| Lung | Alveolus | Infiltration Cellular | Histiocyte, Minimal |
| | Arteriole | Mineralization | Mild |
| Mammary Gland | Acinus | Ectasia | Moderate |
| | Duct | Ectasia | Mild |
| | | Fibroadenoma | |
| Note: ECTASIA | TGLs = 1-7 | | |
| Note: FIBROADENOMA | TGLs = 2,3-13,14 | | |
| Mesentery | Fat | Necrosis | Marked |
| Note: NECROSIS | TGLs = 4-15 | | |
| Nose | Olfactory Epi | Degeneration | Mild |
| | Respirat Epith | Degeneration | Mild |
| Pancreas | Acinus | Atrophy | Mild |
| Pituitary Gland | Pars Distalis | Adenoma | |
| Note: COD-ADENOMA | | | |
| Note: ADENOMA | TGLs = 5-1 | | |
| Spleen | | Hematopoietic Cell Proliferation | Mild |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:12

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 55

TRT#: 2

SEX: Female

DAY ON TEST: 575

DOSE: UNTREATD CONTROL

DISP: Moribund

HISTO: A85-0354

ORGAN AND ACCOUNTABLE SITE STATUS

Stomach

Glandular, Mucosa

Pigmentation

Mild

Dilatation

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:12

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 56

TRT#: 2

SEX: Female

DAY ON TEST: 710

DOSE: UNTREATD CONTROL

DISP: Moribund

HISTO: A85-0355

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|-------------------------|---------------------------|--------------------------|----------------------------|
| Adrenal Gland - Medulla | Bone | Bone Marrow | Esophagus |
| Intestine Large - Cecum | Intestine Large - Colon | Intestine Large - Rectum | Intestine Small - Duodenum |
| Intestine Small - Ileum | Intestine Small - Jejunum | Islets, Pancreatic | Ovary |
| Pancreas | Parathyroid Gland | Salivary Glands | Stomach - Forestomach |
| Trachea | Urinary Bladder | | |

MISSING

Clitoral Gland

OBSERVATIONS

| | | | |
|--------------------|-----------------|-------------------------|--------------------|
| Adrenal Gland | Cortex | Degeneration | Fatty, Mild |
| | Cortex | Pigmentation | Minimal |
| Brain | | Compression | |
| Heart | | Cardiomyopathy | Chronic, Moderate |
| Kidney | | Nephropathy | Chronic, Moderate |
| | Renal Tubule | Pigmentation | Mild |
| Liver | | Basophilic Focus | |
| | | Granuloma | Mild |
| | | Leukemia Mononuclear | |
| Lung | Interstitialium | Inflammation | Chronic, Mild |
| Lymph Node | Mesenteric | Congestion | Mild |
| | Mandibular | Hyperplasia | Lymphoid, Moderate |
| Mammary Gland | Acinus | Ectasia | Marked |
| | | Fibroadenoma | |
| Note: FIBROADENOMA | | | |
| TGLs = 2-13 | | | |
| Note: ECTASIA | | | |
| TGLs = 1-7 | | | |
| Nose | Olfactory Epi | Degeneration | Mild |
| | Respirat Epith | Degeneration | Mild |
| Pituitary Gland | Pars Distalis | Adenoma | |
| Note: ADENOMA | | | |
| TGLs = 4-1 | | | |
| Note: COD-ADENOMA | | | |
| Skin | | Squamous Cell Carcinoma | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014
Time Report Requested: 08:21:12
First Dose M/F: NA / NA
Lab: SRI

| | | | |
|----------------------|-------------------------------|-----------------------|-------------------------|
| ANIMAL ID: 56 | TRT#: 2 | SEX: Female | DAY ON TEST: 710 |
| | DOSE: UNTREATD CONTROL | DISP: Moribund | HISTO: A85-0355 |

ORGAN AND ACCOUNTABLE SITE STATUS

| | | | |
|----------------------|-------------------|----------------------------------|--------------------|
| Note: SQUAM CEL CARC | TGLs = 3-14 | | |
| Spleen | | Hematopoietic Cell Proliferation | Mild |
| Stomach | Glandular, Mucosa | Dilatation | Mild |
| Thymus | | Cyst | |
| | | Hyperplasia | Lymphoid, Moderate |
| Thyroid Gland | C Cell | Hyperplasia | Minimal |
| Uterus | Endometrium | Hyperplasia | Cystic, Minimal |

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

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:12

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 57

TRT#: 2

SEX: Female

DAY ON TEST: 645

DOSE: UNTREATD CONTROL

DISP: Moribund

HISTO: A85-0356

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

| | | | |
|-------------------|----------------|----------------------------------|-------------------|
| Adrenal Gland | Cortex | Pigmentation | Minimal |
| Brain | | Compression | |
| Note: COMPRESSION | TGLs = 3-1 | | |
| Clitoral Gland | | Inflammation | Chronic, Minimal |
| Heart | | Cardiomyopathy | Chronic, Mild |
| Intestine Large | Colon | Parasite Metazoan | |
| Kidney | | Nephropathy | Chronic, Moderate |
| | Renal Tubule | Pigmentation | Mild |
| Liver | | Basophilic Focus | |
| | Bile Duct | Hyperplasia | Mild |
| | Portal | Inflammation | Chronic, Minimal |
| Lung | Alveolus | Infiltration Cellular | Histiocyte, Mild |
| | Arteriole | Mineralization | Mild |
| Lymph Node | Mandibular | Hyperplasia | Lymphoid, Mild |
| Mammary Gland | Acinus | Ectasia | Mild |
| | Duct | Ectasia | Mild |
| Note: ECTASIA | TGLs = 1-7 | | |
| Nose | Olfactory Epi | Degeneration | Mild |
| | Respirat Epith | Degeneration | Minimal |
| Pituitary Gland | Pars Distalis | Adenoma | |
| Note: COD-ADENOMA | | | |
| Note: ADENOMA | TGLs = 2-1 | | |
| Spleen | | Hematopoietic Cell Proliferation | Mild |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:12

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 57

TRT#: 2

SEX: Female

DAY ON TEST: 645

DOSE: UNTREATD CONTROL

DISP: Moribund

HISTO: A85-0356

ORGAN AND ACCOUNTABLE SITE STATUS

Pigmentation

Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:12

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 58

TRT#: 2

SEX: Female

DAY ON TEST: 730

DOSE: UNTREATD CONTROL

DISP: Terminal Sacrifice

HISTO: A85-0357

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 |
| Lymph Node - Mesenteric | Ovary | Parathyroid Gland | Salivary Glands |
| Skin | Stomach - Forestomach | Thymus | Trachea |
| Urinary Bladder | Uterus | | |

OBSERVATIONS

| | | | |
|-----------------|-------------------|----------------------------------|------------------|
| Adrenal Gland | Cortex | Pigmentation | Minimal |
| Clitoral Gland | | Carcinoma | |
| Note: CARCINOMA | TGLs = 1-8 | | |
| Heart | | Cardiomyopathy | Chronic, Mild |
| Kidney | | Nephropathy | Chronic, Mild |
| | Renal Tubule | Pigmentation | Mild |
| Liver | | Basophilic Focus | |
| | Bile Duct | Hyperplasia | Mild |
| | Portal | Inflammation | Chronic, Minimal |
| Lung | Alveolus | Infiltration Cellular | Histiocyte, Mild |
| | Arteriole | Mineralization | Mild |
| Lymph Node | Pancreatic | Congestion | Mild |
| | Mandibular | Hyperplasia | Lymphoid, Mild |
| Mammary Gland | Acinus | Ectasia | Mild |
| Nose | Olfactory Epi | Degeneration | Mild |
| | Lumen | Hemorrhage | Minimal |
| Pancreas | Acinus | Atrophy | Mild |
| Pituitary Gland | Pars Distalis | Adenoma | |
| Spleen | | Hematopoietic Cell Proliferation | Mild |
| | | Pigmentation | Mild |
| Stomach | Glandular, Mucosa | Dilatation | Mild |
| Thyroid Gland | C Cell | Hyperplasia | Mild |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:12

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 59

TRT#: 2

SEX: Female

DAY ON TEST: 730

DOSE: UNTREATD CONTROL

DISP: Terminal Sacrifice

HISTO: A85-0358

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|-------------------------|---------------------------|--------------------------|----------------------------|
| 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 | Ovary |
| Parathyroid Gland | Salivary Glands | Skin | Stomach - Forestomach |
| Thymus | Trachea | Urinary Bladder | Uterus |

OBSERVATIONS

| | | | |
|-----------------|----------------|----------------------------------|---------------------|
| Adrenal Gland | Cortex | Hyperplasia | Mild |
| | Medulla | Hyperplasia | Mild |
| | Cortex | Pigmentation | Mild |
| Brain | | Compression | |
| Heart | | Cardiomyopathy | Chronic, Mild |
| Kidney | | Nephropathy | Chronic, Moderate |
| | Renal Tubule | Pigmentation | Mild |
| Liver | | Basophilic Focus | |
| | Bile Duct | Hyperplasia | Minimal |
| | Portal | Inflammation | Chronic, Minimal |
| Lung | Alveolus | Infiltration Cellular | Histiocyte, Minimal |
| | Arteriole | Mineralization | Mild |
| | Mandibular | Hyperplasia | Lymphoid, Mild |
| Mammary Gland | Mesenteric | Hyperplasia | Lymphoid, Mild |
| | Acinus | Ectasia | Mild |
| Nose | Duct | Ectasia | Marked |
| | Olfactory Epi | Degeneration | Mild |
| | Respirat Epith | Degeneration | Mild |
| Pancreas | Acinus | Atrophy | Mild |
| | Acinus | Hyperplasia | Mild |
| Pituitary Gland | Pars Distalis | Adenoma | |
| Spleen | | Hematopoietic Cell Proliferation | Mild |
| | | Pigmentation | Mild |

TGLs = 1-1

Note: ADENOMA

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:12

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 59

TRT#: 2

SEX: Female

DAY ON TEST: 730

DOSE: UNTREATD CONTROL

DISP: Terminal Sacrifice

HISTO: A85-0358

ORGAN AND ACCOUNTABLE SITE STATUS

Stomach

Glandular, Mucosa

Dilatation

Minimal

Thyroid Gland

C Cell

Hyperplasia

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:12

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 60

TRT#: 2

SEX: Female

DAY ON TEST: 730

DOSE: UNTREATD CONTROL

DISP: Terminal Sacrifice

HISTO: A85-0359

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|---------------------------|--------------------------|----------------------------|-------------------------|
| Adrenal Gland - Medulla | Bone | Clitoral Gland | Esophagus |
| Intestine Large - Cecum | Intestine Large - Rectum | Intestine Small - Duodenum | Intestine Small - Ileum |
| Intestine Small - Jejunum | Islets, Pancreatic | Lymph Node - Mandibular | Mammary Gland |
| Ovary | Parathyroid Gland | Skin | Stomach - Forestomach |
| Thymus | Trachea | Urinary Bladder | |

OBSERVATIONS

| | | | |
|----------------------|--------------|----------------------|------------------|
| Adrenal Gland | Cortex | Degeneration | Fatty, Mild |
| | Cortex | Leukemia Mononuclear | |
| | Cortex | Pigmentation | Minimal |
| Bone Marrow | | Leukemia Mononuclear | |
| | | Myelofibrosis | Marked |
| Brain | | Compression | |
| Eye | | Cataract | Marked |
| | Retina | Degeneration | Marked |
| | | Hemorrhage | Moderate |
| | | Synechia | Marked |
| Note: DEGEN | TGLs = 1-13 | | |
| Note: SYNECHIA | TGLs = 1-13 | | |
| Note: CATARACT | TGLs = 1-13 | | |
| Note: HEMORRHAGE | TGLs = 1-13 | | |
| Heart | | Cardiomyopathy | Chronic, Minimal |
| Intestine Large | Colon | Parasite Metazoan | |
| Kidney | | Nephropathy | Chronic, Mild |
| | Renal Tubule | Pigmentation | Minimal |
| Liver | | Basophilic Focus | |
| | Bile Duct | Hyperplasia | Mild |
| | Portal | Inflammation | Chronic, Mild |
| | | Leukemia Mononuclear | |
| Note: LEUKEMIA MONUC | TGLs = 4-2 | | |
| Lung | | Hemorrhage | Mild |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:12

First Dose M/F: NA / NA

Lab: SRI

| | | | |
|----------------------|-------------------------------|---------------------------------|-------------------------|
| ANIMAL ID: 60 | TRT#: 2 | SEX: Female | DAY ON TEST: 730 |
| | DOSE: UNTREATD CONTROL | DISP: Terminal Sacrifice | HISTO: A85-0359 |

ORGAN AND ACCOUNTABLE SITE STATUS

| | | | |
|---------------------------------|-------------------|----------------------------------|--------------|
| Lymph Node | Arteriole | Leukemia Mononuclear | |
| Mammary Gland | Mesenteric | Mineralization | Mild |
| Note: TGL # 2-NCL | | Leukemia Mononuclear | |
| Nose | Olfactory Epi | Degeneration | Minimal |
| | Nasolacrim Dct | Inflammation | Acute, Mild |
| Pancreas | Acinus | Atrophy | Mild |
| Pituitary Gland | Pars Distalis | Adenoma | |
| | Pars Distalis | Cyst | |
| Note: ADENOMA TGLs = 5-1 | | | |
| Note: CYST TGLs = 5-1 | | | |
| Salivary Glands | Acinus | Hyperplasia | Mild |
| Spleen | | Hematopoietic Cell Proliferation | Mild |
| | | Leukemia Mononuclear | |
| Note: LEUKEMIA MONUC TGLs = 3-2 | | | |
| Stomach | Glandular, Mucosa | Dilatation | Mild |
| Thyroid Gland | C Cell | Hyperplasia | Minimal |
| Uterus | Endometrium | Hyperplasia | Cystic, Mild |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:12

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 61

TRT#: 4

SEX: Female

DAY ON TEST: 730

DOSE: 5.0%

DISP: Terminal Sacrifice

HISTO: A85-0360

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|---------------------------|-------------------------|-------------------------|----------------------------|
| Bone | Bone Marrow | Brain | Clitoral Gland |
| Esophagus | Intestine Large - Cecum | Intestine Large - Colon | Intestine Small - Duodenum |
| Intestine Small - Jejunum | Islets, Pancreatic | Lymph Node - Mandibular | Ovary |
| Pancreas | Parathyroid Gland | Salivary Glands | Skin |
| Stomach - Forestomach | Trachea | Urinary Bladder | Uterus |

OBSERVATIONS

| | | | |
|----------------------|--------------|-----------------------|------------------|
| Adrenal Gland | Cortex | Degeneration | Fatty, Mild |
| | Cortex | Hyperplasia | Minimal |
| | Cortex | Leukemia Mononuclear | |
| | Medulla | Leukemia Mononuclear | |
| | Cortex | Pigmentation | Minimal |
| Eye | | Cataract | Marked |
| | Retina | Degeneration | Marked |
| | | Hemorrhage | Marked |
| | | Synechia | Moderate |
| Note: SYNECHIA | TGLs = 1-13 | | |
| Note: CATARACT | TGLs = 1-13 | | |
| Note: HEMORRHAGE | TGLs = 1-13 | | |
| Note: DEGEN | TGLs = 1-13 | | |
| Heart | | Cardiomyopathy | Chronic, Mild |
| Intestine Large | Rectum | Parasite Metazoan | |
| Intestine Small | Ileum | Leukemia Mononuclear | |
| Kidney | | Nephropathy | Chronic, Mild |
| | Renal Tubule | Pigmentation | Mild |
| Liver | | Basophilic Focus | |
| | | Granuloma | Mild |
| | Bile Duct | Hyperplasia | Mild |
| | | Leukemia Mononuclear | |
| Note: LEUKEMIA MONUC | TGLs = 3-2 | | |
| Lung | Alveolus | Infiltration Cellular | Histiocyte, Mild |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:12

First Dose M/F: NA / NA

Lab: SRI

| | | | |
|----------------------|-------------------|---------------------------------|-------------------------|
| ANIMAL ID: 61 | TRT#: 4 | SEX: Female | DAY ON TEST: 730 |
| | DOSE: 5.0% | DISP: Terminal Sacrifice | HISTO: A85-0360 |

ORGAN AND ACCOUNTABLE SITE STATUS

| | | | |
|--------------------------------|-------------------|----------------------|---------|
| Lymph Node | Mesenteric | Leukemia Mononuclear | |
| Mammary Gland | Acinus | Leukemia Mononuclear | |
| | | Ectasia | Mild |
| | | Fibroadenoma | |
| Note: FIBROADENOMA TGLs = 2-14 | | | |
| Nose | Olfactory Epi | Degeneration | Mild |
| | Respirat Epith | Degeneration | Minimal |
| Pituitary Gland | Pars Distalis | Hyperplasia | Minimal |
| Spleen | | Leukemia Mononuclear | |
| | | Pigmentation | Mild |
| Stomach | Glandular, Mucosa | Dilatation | Mild |
| Thymus | | Leukemia Mononuclear | |
| Thyroid Gland | C Cell | Adenoma | |
| | C Cell | Hyperplasia | Mild |
| Note: ADENOMA TGLs = 4-3+3.1 | | | |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:12

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 62

TRT#: 4

SEX: Female

DAY ON TEST: 702

DOSE: 5.0%

DISP: Moribund

HISTO: A85-0361

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 |
| Liver | Lymph Node - Mandibular | Lymph Node - Mesenteric | Mammary Gland |
| Ovary | Pancreas | Parathyroid Gland | Salivary Glands |
| Skin | Stomach - Forestomach | Thymus | Trachea |
| Urinary Bladder | | | |

OBSERVATIONS

| | | | |
|--------------------|-------------------|----------------------------------|------------------------|
| Adrenal Gland | Cortex | Degeneration | Fatty, Moderate |
| | Cortex | Hyperplasia | Mild |
| Clitoral Gland | | Inflammation | Chronic Active, Marked |
| | | Inflammation | Chronic, Moderate |
| Note: INFLAMMATION | TGLs = 3-8 | | |
| Heart | | Cardiomyopathy | Chronic, Minimal |
| Kidney | | Nephropathy | Chronic, Mild |
| | Renal Tubule | Pigmentation | Minimal |
| Lung | | Hemorrhage | Minimal |
| | Alveolus | Infiltration Cellular | Histiocyte, Mild |
| Nose | Olfactory Epi | Degeneration | Mild |
| | Respirat Epith | Degeneration | Mild |
| | Lumen | Hemorrhage | Mild |
| Pituitary Gland | Pars Distalis | Cyst | |
| Note: CYST | TGLs = 2-1 | | |
| Spleen | | Hematopoietic Cell Proliferation | Minimal |
| | | Pigmentation | Moderate |
| Stomach | Glandular, Mucosa | Dilatation | Mild |
| Thyroid Gland | C Cell | Hyperplasia | Mild |
| Uterus | | Ectasia | Mild |
| | Endometrium | Hyperplasia | Cystic, Moderate |
| Note: ECTASIA | TGLs = 1-6 | | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:12

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 62

TRT#: 4

SEX: Female

DAY ON TEST: 702

DOSE: 5.0%

DISP: Moribund

HISTO: A85-0361

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

Animal Note: COD-UNKNOWN

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:12

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 63

TRT#: 4

SEX: Female

DAY ON TEST: 730

DOSE: 5.0%

DISP: Terminal Sacrifice

HISTO: A85-0362

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

| | | | |
|--------------------|---------------|----------------------------------|------------------|
| Adrenal Gland | Cortex | Degeneration | Fatty, Mild |
| | Medulla | Pheochromocytoma Nos | |
| Eye | Cortex | Pigmentation | Minimal |
| | Retina | Cataract | Marked |
| | | Degeneration | Marked |
| | | Synechia | Moderate |
| Note: DEGEN | TGLs = 1-14 | | |
| Note: SYNECHIA | TGLs = 1-14 | | |
| Note: CATARACT | TGLs = 1-14 | | |
| Heart | | Cardiomyopathy | Chronic, Mild |
| Kidney | | Nephropathy | Chronic, Mild |
| | Renal Tubule | Pigmentation | Minimal |
| Liver | | Basophilic Focus | |
| | Bile Duct | Hyperplasia | Minimal |
| Lung | Alveolus | Infiltration Cellular | Histiocyte, Mild |
| | Arteriole | Mineralization | Mild |
| Mammary Gland | Acinus | Ectasia | Mild |
| | | Fibroadenoma | |
| Note: FIBROADENOMA | TGLs = 2-13 | | |
| Nose | Olfactory Epi | Degeneration | Mild |
| Pancreas | Acinus | Atrophy | Mild |
| Pituitary Gland | Pars Distalis | Hyperplasia | Mild |
| Spleen | | Hematopoietic Cell Proliferation | Mild |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:12

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 63

TRT#: 4

SEX: Female

DAY ON TEST: 730

DOSE: 5.0%

DISP: Terminal Sacrifice

HISTO: A85-0362

ORGAN AND ACCOUNTABLE SITE STATUS

Stomach

Glandular, Mucosa

Pigmentation

Moderate

Dilatation

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:12

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 64

TRT#: 4

SEX: Female

DAY ON TEST: 610

DOSE: 5.0%

DISP: Moribund

HISTO: A85-0363

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 |
| Lymph Node - Mesenteric | Ovary | Pancreas | Parathyroid Gland |
| Skin | Stomach - Forestomach | Stomach - Glandular | Thymus |
| Trachea | Urinary Bladder | | |

OBSERVATIONS

| | | | |
|--------------------------------|----------------|-----------------------|---------------------|
| Adrenal Gland | Cortex | Degeneration | Fatty, Minimal |
| | Cortex | Hyperplasia | Mild |
| Clitoral Gland | | Carcinoma | |
| Note: CARCINOMA TGLs = 3-8 | | | |
| Note: COD-CARCINOMA | | | |
| Eye | | Cataract | Moderate |
| | Retina | Degeneration | Marked |
| Note: DEGEN TGLs = 1-14 | | | |
| Note: CATARACT TGLs = 1-14 | | | |
| Heart | | Cardiomyopathy | Chronic, Minimal |
| Kidney | | Nephropathy | Chronic, Mild |
| | Renal Tubule | Pigmentation | Minimal |
| Liver | | Basophilic Focus | |
| | Bile Duct | Hyperplasia | Minimal |
| Lung | Alveolus | Infiltration Cellular | Histiocyte, Minimal |
| Lymph Node | Mandibular | Hyperplasia | Lymphoid, Mild |
| Mammary Gland | | Fibroadenoma | |
| Note: FIBROADENOMA TGLs = 2-13 | | | |
| Nose | Olfactory Epi | Degeneration | Mild |
| | Respirat Epith | Degeneration | Minimal |
| Pituitary Gland | Pars Distalis | Angiectasis | Moderate |
| | Pars Distalis | Hyperplasia | Moderate |
| Salivary Glands | Duct | Hyperplasia | Mild |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:12

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 64

TRT#: 4

SEX: Female

DAY ON TEST: 610

DOSE: 5.0%

DISP: Moribund

HISTO: A85-0363

ORGAN AND ACCOUNTABLE SITE STATUS

Spleen

Thyroid Gland

Uterus

Note: POLYP STROMAL TGLs = 4-6

C Cell

Endometrium

Hematopoietic Cell Proliferation

Hyperplasia

Polyp Stromal

Mild

Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:12

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 65

TRT#: 4

SEX: Female

DAY ON TEST: 731

DOSE: 5.0%

DISP: Terminal Sacrifice

HISTO: A85-0364

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

| | |
|--------------------------|-------------------|
| Intestine Large - Rectum | Parathyroid Gland |
|--------------------------|-------------------|

OBSERVATIONS

| | | | |
|----------------------------------|--------------|----------------------------|---------------------|
| Adrenal Gland | Cortex | Degeneration | Fatty, Minimal |
| | Cortex | Pigmentation | Minimal |
| Eye | | Cataract | Mild |
| | Retina | Degeneration | Marked |
| | Sclera | Mineralization | Mild |
| Note: CATARACT TGLs = 1-13 | | | |
| Note: DEGEN TGLs = 1-13 | | | |
| Heart | | Cardiomyopathy | Chronic, Minimal |
| Intestine Large | Colon | Parasite Metazoan | |
| Kidney | | Nephropathy | Chronic, Mild |
| | Renal Tubule | Pigmentation | Mild |
| Liver | | Basophilic Focus | |
| | | Developmental Malformation | |
| | | Leukemia Mononuclear | |
| Note: DEVELOP MALFOR TGLs = 3-15 | | | |
| Lung | Alveolus | Infiltration Cellular | Histiocyte, Minimal |
| | | Leukemia Mononuclear | |
| | Arteriole | Mineralization | Mild |
| Lymph Node | Mandibular | Hyperplasia | Lymphoid, Mild |
| | Mesenteric | Leukemia Mononuclear | |
| Mammary Gland | | Fibroadenoma | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014
Time Report Requested: 08:21:12
First Dose M/F: NA / NA
Lab: SRI

| | | | |
|----------------------|-------------------------------------|---|---|
| ANIMAL ID: 65 | TRT#: 4 DOSE: 5.0% | SEX: Female DISP: Terminal Sacrifice | DAY ON TEST: 731 HISTO: A85-0364 |
|----------------------|-------------------------------------|---|---|

ORGAN AND ACCOUNTABLE SITE STATUS

| | | | | |
|------------------------|-------------|---------------|----------------------------------|---------|
| Note: FIBROADENOMA | TGLs = 2-14 | | | |
| Nose | | Olfactory Epi | Degeneration | Mild |
| | | Lumen | Hemorrhage | Minimal |
| Pituitary Gland | | Pars Distalis | Adenoma | |
| Note: ADENOMA | TGLs = 4-1 | | | |
| Spleen | | | Hematopoietic Cell Proliferation | Mild |
| | | | Leukemia Mononuclear | |
| Thyroid Gland | | C Cell | Hyperplasia | Mild |
| PRIMARY CAUSE OF DEATH | | - | | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:12

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 66

TRT#: 4

SEX: Female

DAY ON TEST: 731

DOSE: 5.0%

DISP: Terminal Sacrifice

HISTO: A85-0365

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|----------------------------|-------------------------|---------------------------|--------------------------|
| Adrenal Gland - Medulla | Bone | Bone Marrow | Brain |
| Clitoral Gland | Esophagus | Intestine Large - Cecum | Intestine Large - Rectum |
| Intestine Small - Duodenum | Intestine Small - Ileum | Intestine Small - Jejunum | Islets, Pancreatic |
| Ovary | Parathyroid Gland | Salivary Glands | Skin |
| Stomach - Forestomach | Stomach - Glandular | Thyroid Gland | Trachea |
| Urinary Bladder | Uterus | | |

OBSERVATIONS

| | | | |
|---------------------------------|----------------|----------------------------------|------------------|
| Adrenal Gland | Cortex | Hyperplasia | Mild |
| | Cortex | Pigmentation | Minimal |
| Heart | | Cardiomyopathy | Chronic, Mild |
| Intestine Large | Colon | Parasite Metazoan | |
| Kidney | | Nephropathy | Chronic, Mild |
| | Renal Tubule | Pigmentation | Mild |
| Liver | | Basophilic Focus | |
| | | Developmental Malformation | |
| | Bile Duct | Hyperplasia | Minimal |
| | Portal | Inflammation | Chronic, Minimal |
| Note: DEVELOP MALFOR TGLs = 2-3 | | | |
| Lung | | Hemorrhage | Mild |
| | Arteriole | Mineralization | Mild |
| Lymph Node | Mandibular | Hyperplasia | Lymphoid, Mild |
| | Mesenteric | Hyperplasia | Lymphoid, Mild |
| Mammary Gland | Acinus | Ectasia | Mild |
| Note: ECTASIA TGLs = 1-7 | | | |
| Nose | Olfactory Epi | Degeneration | Mild |
| | Respirat Epith | Degeneration | Mild |
| | Lumen | Hemorrhage | Mild |
| Pancreas | Acinus | Atrophy | Marked |
| Pituitary Gland | Pars Distalis | Adenoma | |
| Spleen | | Hematopoietic Cell Proliferation | Moderate |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:12

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 66

TRT#: 4

SEX: Female

DAY ON TEST: 731

DOSE: 5.0%

DISP: Terminal Sacrifice

HISTO: A85-0365

ORGAN AND ACCOUNTABLE SITE STATUS

Thymus

Pigmentation

Mild

Cyst

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:12

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 67

TRT#: 4

SEX: Female

DAY ON TEST: 731

DOSE: 5.0%

DISP: Terminal Sacrifice

HISTO: A85-0366

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Parathyroid Gland

OBSERVATIONS

| | | | |
|---------------------|----------------|----------------------------------|-------------------|
| Adrenal Gland | Cortex | Degeneration | Fatty, Mild |
| Heart | | Cardiomyopathy | Chronic, Mild |
| Intestine Large | Rectum | Parasite Metazoan | |
| Kidney | | Nephropathy | Chronic, Moderate |
| | Renal Tubule | Pigmentation | Mild |
| Liver | | Basophilic Focus | |
| | Bile Duct | Hyperplasia | Mild |
| | Portal | Inflammation | Chronic, Mild |
| Lung | Alveolus | Infiltration Cellular | Histiocyte, Mild |
| | Arteriole | Mineralization | Mild |
| Mammary Gland | Acinus | Ectasia | Mild |
| Note: ECTASIA | TGLs = 1-7+7.1 | | |
| Nose | Olfactory Epi | Degeneration | Mild |
| Pancreas | Acinus | Atrophy | Mild |
| Pituitary Gland | Pars Distalis | Cyst | |
| | Pars Distalis | Hyperplasia | Minimal |
| Spleen | | Hematopoietic Cell Proliferation | Mild |
| | | Pigmentation | Mild |
| Thyroid Gland | C Cell | Hyperplasia | Minimal |
| Uterus | Endometrium | Polyp Stromal | |
| Note: POLYP STROMAL | TGLs = 2-13 | | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:12

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 67

TRT#: 4

SEX: Female

DAY ON TEST: 731

DOSE: 5.0%

DISP: Terminal Sacrifice

HISTO: A85-0366

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:12

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 68

TRT#: 4

SEX: Female

DAY ON TEST: 731

DOSE: 5.0%

DISP: Terminal Sacrifice

HISTO: A85-0367

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

| | | | |
|------------------|-------------------|----------------------------------|-------------------|
| Adrenal Gland | Cortex | Pigmentation | Minimal |
| Heart | | Cardiomyopathy | Chronic, Moderate |
| Kidney | | Cyst | |
| | | Nephropathy | Chronic, Moderate |
| | Renal Tubule | Pigmentation | Mild |
| Liver | | Basophilic Focus | |
| Lung | | Hemorrhage | Mild |
| Lymph Node | Mandibular | Hyperplasia | Lymphoid, Mild |
| Mammary Gland | Acinus | Ectasia | Moderate |
| Nose | Olfactory Epi | Degeneration | Mild |
| | Respirat Epith | Degeneration | Minimal |
| Pancreas | Acinus | Atrophy | Minimal |
| Pituitary Gland | Pars Distalis | Adenoma | |
| | Pars Distalis | Cyst | |
| Note: CYST | TGLs = 2-1 | | |
| Note: ADENOMA | TGLs = 2-1 | | |
| Spleen | | Hematopoietic Cell Proliferation | Mild |
| | | Pigmentation | Mild |
| Stomach | Glandular, Mucosa | Dilatation | Mild |
| Uterus | | Hemorrhage | Moderate |
| | Endometrium | Polyp Stromal | |
| Note: HEMORRHAGE | TGLs = 1-13 | | |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:12

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 69

TRT#: 4

SEX: Female

DAY ON TEST: 731

DOSE: 5.0%

DISP: Terminal Sacrifice

HISTO: A85-0368

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

| | | | |
|----------------------------------|---------------|----------------------------|-------------------|
| Adrenal Gland | Cortex | Degeneration | Fatty, Mild |
| Brain | | Compression | |
| Heart | | Cardiomyopathy | Chronic, Mild |
| Kidney | | Nephropathy | Chronic, Moderate |
| | Renal Tubule | Pigmentation | Mild |
| Liver | | Basophilic Focus | |
| | | Developmental Malformation | |
| | Bile Duct | Hyperplasia | Minimal |
| | Portal | Inflammation | Chronic, Minimal |
| Note: DEVELOP MALFOR TGLs = 4-15 | | | |
| Lung | | Congestion | Mild |
| | Arteriole | Mineralization | Mild |
| Note: CONGESTION TGLs = 5-3 | | | |
| Lymph Node | Mandibular | Hyperplasia | Lymphoid, Mild |
| Mammary Gland | Acinus | Ectasia | Marked |
| | | Fibroadenoma | |
| Note: ECTASIA TGLs = 1,3-7+14 | | | |
| Note: FIBROADENOMA TGLs = 2-13 | | | |
| Nose | Olfactory Epi | Degeneration | Mild |
| | Lumen | Hemorrhage | Mild |
| Pancreas | Acinus | Atrophy | Minimal |
| Pituitary Gland | Pars Distalis | Adenoma | |
| Note: ADENOMA TGLs = 6-1 | | | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:12

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 69

TRT#: 4

SEX: Female

DAY ON TEST: 731

DOSE: 5.0%

DISP: Terminal Sacrifice

HISTO: A85-0368

ORGAN AND ACCOUNTABLE SITE STATUS

Spleen

Hematopoietic Cell Proliferation

Mild

Pigmentation

Mild

Stomach

Glandular

Mineralization

Mild

Uterus

Endometrium

Hyperplasia

Cystic, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:12

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 70

TRT#: 4

SEX: Female

DAY ON TEST: 731

DOSE: 5.0%

DISP: Terminal Sacrifice

HISTO: A85-0369

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|---------------------------|-------------------------|----------------------------|-------------------------|
| Bone | Brain | Clitoral Gland | Esophagus |
| Intestine Large - Cecum | Intestine Large - Colon | Intestine Small - Duodenum | Intestine Small - Ileum |
| Intestine Small - Jejunum | Islets, Pancreatic | Ovary | Salivary Glands |
| Skin | Stomach - Forestomach | Stomach - Glandular | Thymus |
| Thyroid Gland | Trachea | Urinary Bladder | Uterus |

MISSING

Parathyroid Gland

OBSERVATIONS

| | | | |
|-----------------|---------------|----------------------------------|--------------------|
| Adrenal Gland | Medulla | Hyperplasia | Mild |
| | Cortex | Pigmentation | Minimal |
| Bone Marrow | | Myelofibrosis | Marked |
| Heart | | Cardiomyopathy | Chronic, Mild |
| Intestine Large | Rectum | Parasite Metazoan | |
| Kidney | | Nephropathy | Chronic, Moderate |
| | Renal Tubule | Pigmentation | Minimal |
| Liver | | Basophilic Focus | |
| Lung | | Hemorrhage | Minimal |
| | Alveolus | Infiltration Cellular | Histiocyte, Mild |
| | Arteriole | Mineralization | Mild |
| Lymph Node | Mandibular | Hyperplasia | Lymphoid, Moderate |
| | Mesenteric | Hyperplasia | Lymphoid, Mild |
| Mammary Gland | | Fibroadenoma | |
| Nose | Olfactory Epi | Degeneration | Mild |
| Pancreas | Acinus | Atrophy | Mild |
| Pituitary Gland | Pars Distalis | Adenoma | |
| | Pars Distalis | Cyst | |
| Note: ADENOMA | TGLs = 2-1 | | |
| Note: CYST | TGLs = 2-1 | | |
| Spleen | | Hematopoietic Cell Proliferation | Minimal |
| | | Pigmentation | Moderate |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:12

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 70

TRT#: 4

SEX: Female

DAY ON TEST: 731

DOSE: 5.0%

DISP: Terminal Sacrifice

HISTO: A85-0369

ORGAN AND ACCOUNTABLE SITE STATUS

Note: TGL # 1-NCL

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:12

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 71

TRT#: 4

SEX: Female

DAY ON TEST: 731

DOSE: 5.0%

DISP: Terminal Sacrifice

HISTO: A85-0370

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

| | | | |
|----------------------------------|----------------|----------------------------|---------------------|
| Adrenal Gland | Cortex | Hyperplasia | Mild |
| | Cortex | Pigmentation | Minimal |
| Heart | | Cardiomyopathy | Chronic, Minimal |
| Kidney | | Nephropathy | Chronic, Minimal |
| | Renal Tubule | Pigmentation | Minimal |
| Liver | | Basophilic Focus | |
| | | Developmental Malformation | |
| | | Granuloma | Mild |
| | | Leukemia Mononuclear | |
| Note: DEVELOP MALFOR TGLs = 3-14 | | | |
| Lung | Alveolus | Infiltration Cellular | Histiocyte, Minimal |
| | | Leukemia Mononuclear | |
| | Arteriole | Mineralization | Mild |
| Mammary Gland | Duct | Ectasia | Mild |
| | | Fibroadenoma | |
| Note: FIBROADENOMA TGLs = 1-13 | | | |
| Note: ECTASIA TGLs = 2-7 | | | |
| Nose | Olfactory Epi | Degeneration | Mild |
| | Respirat Epith | Degeneration | Minimal |
| | Lumen | Hemorrhage | Mild |
| Pancreas | Acinus | Atrophy | Mild |
| Pituitary Gland | Pars Distalis | Adenoma | |
| Note: ADENOMA TGLs = 4-1 | | | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:12

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 71

TRT#: 4

SEX: Female

DAY ON TEST: 731

DOSE: 5.0%

DISP: Terminal Sacrifice

HISTO: A85-0370

ORGAN AND ACCOUNTABLE SITE STATUS

| | | | |
|---------------|-------------------|--|------------------|
| Spleen | | Hematopoietic Cell Proliferation Leukemia Mononuclear Pigmentation | Mild Moderate |
| Stomach | Glandular, Mucosa | Dilatation | Minimal |
| | Glandular | Mineralization | Mild |
| Thyroid Gland | C Cell | Hyperplasia | Moderate |
| Uterus | Endometrium | Hyperplasia | Cystic, Mild |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:12

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 72

TRT#: 4

SEX: Female

DAY ON TEST: 731

DOSE: 5.0%

DISP: Terminal Sacrifice

HISTO: A85-0371

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|-------------------------|---------------------------|--------------------------|----------------------------|
| Adrenal Gland - Medulla | Bone Marrow | Brain | Esophagus |
| Intestine Large - Cecum | Intestine Large - Colon | Intestine Large - Rectum | Intestine Small - Duodenum |
| Intestine Small - Ileum | Intestine Small - Jejunum | Islets, Pancreatic | Ovary |
| Pancreas | Salivary Glands | Skin | Stomach - Forestomach |
| Thyroid Gland | Trachea | Urinary Bladder | Uterus |

MISSING

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

OBSERVATIONS

| | | | |
|---------------------------------|----------------|-----------------------|------------------|
| Adrenal Gland | Cortex | Degeneration | Fatty, Mild |
| | Cortex | Pigmentation | Minimal |
| Bone | Cranium | Osteopetrosis | Moderate |
| Note: OSTEOPETROSIS TGLs = 3-13 | | | |
| Clitoral Gland | | Inflammation | Chronic, Minimal |
| Heart | | Cardiomyopathy | Chronic, Minimal |
| Kidney | | Cyst | |
| | | Nephropathy | Chronic, Mild |
| Note: CYST TGLs = 1,2-5 | Renal Tubule | Pigmentation | Minimal |
| Liver | | Basophilic Focus | |
| | Bile Duct | Hyperplasia | Minimal |
| | Portal | Inflammation | Chronic, Minimal |
| Lung | | Hemorrhage | Minimal |
| | Alveolus | Infiltration Cellular | Histiocyte, Mild |
| Lymph Node | Mediastinal | Congestion | Mild |
| | Mandibular | Hyperplasia | Lymphoid, Mild |
| | Mediastinal | Hyperplasia | Lymphoid, Mild |
| | Mesenteric | Hyperplasia | Lymphoid, Mild |
| Mammary Gland | Acinus | Ectasia | Mild |
| Nose | Olfactory Epi | Degeneration | Mild |
| | Respirat Epith | Degeneration | Mild |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:12

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 72

TRT#: 4

SEX: Female

DAY ON TEST: 731

DOSE: 5.0%

DISP: Terminal Sacrifice

HISTO: A85-0371

ORGAN AND ACCOUNTABLE SITE STATUS

| | | | |
|------------------------|-------------------|----------------------------------|------|
| Pituitary Gland | Lumen | Hemorrhage | Mild |
| Spleen | Pars Distalis | Adenoma | |
| | | Hematopoietic Cell Proliferation | Mild |
| | | Pigmentation | Mild |
| Stomach | Glandular, Mucosa | Dilatation | Mild |
| PRIMARY CAUSE OF DEATH | - | | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:12

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 73

TRT#: 4

SEX: Female

DAY ON TEST: 731

DOSE: 5.0%

DISP: Terminal Sacrifice

HISTO: A85-0372

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 |
| Ovary | Parathyroid Gland | Salivary Glands | Skin |
| Stomach - Forestomach | Stomach - Glandular | Thymus | Trachea |
| Urinary Bladder | Uterus | | |

OBSERVATIONS

| | | | |
|-----------------|----------------|----------------------------------|-------------------|
| Adrenal Gland | Cortex | Pigmentation | Minimal |
| Clitoral Gland | | Squamous Cell Carcinoma | |
| Heart | | Cardiomyopathy | Chronic, Moderate |
| Kidney | | Nephropathy | Chronic, Mild |
| | Renal Tubule | Pigmentation | Mild |
| Liver | | Basophilic Focus | |
| | | Granuloma | Mild |
| | Bile Duct | Hyperplasia | Minimal |
| | | Leukemia Mononuclear | |
| Lung | Alveolus | Infiltration Cellular | Histiocyte, Mild |
| | Interstitium | Inflammation | Chronic, Minimal |
| | Arteriole | Mineralization | Mild |
| Lymph Node | Mandibular | Hyperplasia | Lymphoid, Mild |
| | Mesenteric | Hyperplasia | Lymphoid, Mild |
| | Mesenteric | Leukemia Mononuclear | |
| Mammary Gland | Acinus | Ectasia | Mild |
| Nose | Olfactory Epi | Degeneration | Mild |
| | Respirat Epith | Degeneration | Minimal |
| | Nasolacrim Dct | Squamous Cell Carcinoma | |
| Pancreas | Acinus | Atrophy | Mild |
| Pituitary Gland | Pars Distalis | Adenoma | |
| Note: ADENOMA | TGLs = 1-1 | | |
| Spleen | | Hematopoietic Cell Proliferation | Mild |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014
Time Report Requested: 08:21:12
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 73

TRT#: 4
DOSE: 5.0%

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 731
HISTO: A85-0372

ORGAN AND ACCOUNTABLE SITE STATUS

Thyroid Gland

C Cell

Leukemia Mononuclear
Pigmentation
Hyperplasia

Moderate
Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:12

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 74

TRT#: 4

SEX: Female

DAY ON TEST: 731

DOSE: 5.0%

DISP: Terminal Sacrifice

HISTO: A85-0373

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

| | | | |
|----------------------------------|----------------|----------------------------|-------------------|
| Adrenal Gland | Cortex | Hyperplasia | Mild |
| | Cortex | Hypertrophy | Mild |
| | Cortex | Pigmentation | Minimal |
| Heart | | Cardiomyopathy | Chronic, Moderate |
| Intestine Large | Rectum | Parasite Metazoan | |
| Kidney | | Nephropathy | Chronic, Moderate |
| | Renal Tubule | Pigmentation | Mild |
| Liver | | Angiectasis | Mild |
| | | Basophilic Focus | |
| | | Developmental Malformation | |
| | Bile Duct | Hyperplasia | Mild |
| | | Leukemia Mononuclear | |
| Note: DEVELOP MALFOR TGLs = 2-14 | | | |
| Lung | | Leukemia Mononuclear | |
| | Arteriole | Mineralization | Mild |
| Lymph Node | Mesenteric | Leukemia Mononuclear | |
| Mammary Gland | | Fibroadenoma | |
| Note: FIBROADENOMA TGLs = 1-13 | | | |
| Nose | Olfactory Epi | Degeneration | Mild |
| | Respirat Epith | Degeneration | Minimal |
| Pituitary Gland | Pars Distalis | Adenoma | |
| | Pars Distalis | Cyst | |
| Spleen | | Leukemia Mononuclear | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:12

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 74

TRT#: 4

SEX: Female

DAY ON TEST: 731

DOSE: 5.0%

DISP: Terminal Sacrifice

HISTO: A85-0373

ORGAN AND ACCOUNTABLE SITE STATUS

Stomach

Glandular, Mucosa

Pigmentation

Mild

Uterus

Endometrium

Dilatation

Mild

Note: POLYP STROMAL TGLs = 3-6

Polyp Stromal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:12

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 75

TRT#: 4

SEX: Female

DAY ON TEST: 610

DOSE: 5.0%

DISP: Moribund

HISTO: A85-0374

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla
Intestine Large - Cecum
Intestine Small - Ileum
Pancreas
Stomach - Forestomach
Uterus

Bone
Intestine Large - Colon
Intestine Small - Jejunum
Parathyroid Gland
Thymus

Brain
Intestine Large - Rectum
Islets, Pancreatic
Salivary Glands
Trachea

Esophagus
Intestine Small - Duodenum
Ovary
Skin
Urinary Bladder

OBSERVATIONS

Adrenal Gland
Bone Marrow
Clitoral Gland
Heart
Kidney

Cortex

Renal Tubule

Pigmentation
Hemorrhage
Inflammation
Cardiomyopathy
Cyst
Nephropathy
Pigmentation

Minimal
Moderate
Chronic, Minimal
Chronic, Mild

Chronic, Mild
Minimal

Note: CYST TGLs = 2-5.1

Liver
Lung

Basophilic Focus
Congestion
Mineralization

Mild
Mild

Note: CONGESTION TGLs = 4-3

Lymph Node

Arteriole

Mandibular
Mesenteric
Duct

Hyperplasia
Hyperplasia
Ectasia
Fibroadenoma

Lymphoid, Mild
Lymphoid, Mild
Mild

Note: FIBROADENOMA TGLs = 1-13

Nose

Olfactory Epi
Respirat Epith
Pars Distalis
Pars Distalis

Degeneration
Degeneration
Cyst

Mild
Mild

Pituitary Gland

Spleen

Hyperplasia
Hematopoietic Cell Proliferation
Pigmentation

Mild
Mild
Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014
Time Report Requested: 08:21:12
First Dose M/F: NA / NA
Lab: SRI

| | | | |
|----------------------|-------------------------------------|---|---|
| ANIMAL ID: 75 | TRT#: 4 DOSE: 5.0% | SEX: Female DISP: Moribund | DAY ON TEST: 610 HISTO: A85-0374 |
|----------------------|-------------------------------------|---|---|

| ORGAN AND ACCOUNTABLE SITE STATUS | | | |
|--|-------------------|----------------------|------|
| Stomach | Glandular, Mucosa | Dilatation | Mild |
| | Glandular | Mineralization | Mild |
| Thyroid Gland | C Cell | Hyperplasia | Mild |
| | | Ultimobranchial Cyst | |

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

Animal Note: COD-UNKNOWN
Animal Note: TGL # 3 (CAVITIES)-NCL

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:12

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 81

TRT#: 4

SEX: Female

DAY ON TEST: 612

DOSE: 5.0%

DISP: Moribund

HISTO: A85-0380

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 |
| Ovary | Salivary Glands | Skin | Stomach - Forestomach |
| Thyroid Gland | Trachea | Urinary Bladder | Uterus |

MISSING

Parathyroid Gland

OBSERVATIONS

| | | | |
|-------------------|---------------|----------------------------------|--------------------|
| Adrenal Gland | Cortex | Hypertrophy | Minimal |
| Brain | | Compression | |
| Note: COMPRESSION | TGLs = 4-1 | | |
| Clitoral Gland | | Carcinoma | |
| Kidney | Renal Tubule | Nephropathy | Chronic, Mild |
| | | Pigmentation | Minimal |
| Liver | | Basophilic Focus | |
| | | Fatty Change | Mild |
| | | Hematopoietic Cell Proliferation | Mild |
| Lung | | Hemorrhage | Minimal |
| | Arteriole | Mineralization | Mild |
| Lymph Node | Mandibular | Hyperplasia | Lymphoid, Mild |
| | Mesenteric | Hyperplasia | Lymphoid, Moderate |
| Mammary Gland | | Adenocarcinoma | |
| | Acinus | Ectasia | Marked |
| Note: ADENOCARC | TGLs = 2-13 | | |
| Note: ECTASIA | TGLs = 1-7 | | |
| Nose | Olfactory Epi | Degeneration | Mild |
| Pancreas | Acinus | Atrophy | Mild |
| Pituitary Gland | Pars Distalis | Adenoma | |
| Note: COD-ADENOMA | | | |
| Note: ADENOMA | TGLs = 3-1 | | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:12

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 81

TRT#: 4

SEX: Female

DAY ON TEST: 612

DOSE: 5.0%

DISP: Moribund

HISTO: A85-0380

ORGAN AND ACCOUNTABLE SITE STATUS

Spleen

Hematopoietic Cell Proliferation

Mild

Pigmentation

Mild

Stomach

Glandular, Mucosa

Dilatation

Mild

Thymus

Hyperplasia

Lymphoid, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:12

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 82

TRT#: 4

SEX: Female

DAY ON TEST: 731

DOSE: 5.0%

DISP: Terminal Sacrifice

HISTO: A85-0381

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 |
| Ovary | Pancreas | Parathyroid Gland | Salivary Glands |
| Skin | Stomach - Forestomach | Thymus | Trachea |
| Urinary Bladder | | | |

OBSERVATIONS

| | | | |
|---------------|--------------|----------------------|--------------------|
| Adrenal Gland | Cortex | Degeneration | Fatty, Minimal |
| | Cortex | Hyperplasia | Mild |
| | Medulla | Pheochromocytoma Nos | |
| | Cortex | Pigmentation | Minimal |
| Heart | | Cardiomyopathy | Chronic, Mild |
| Kidney | | Nephropathy | Chronic, Moderate |
| | Renal Tubule | Pigmentation | Mild |
| Liver | | Basophilic Focus | |
| | Bile Duct | Hyperplasia | Mild |
| | Portal | Inflammation | Chronic, Minimal |
| Lung | | Congestion | Mild |
| | Arteriole | Mineralization | Mild |
| Lymph Node | Mandibular | Hyperplasia | Lymphoid, Mild |
| | Mesenteric | Hyperplasia | Lymphoid, Moderate |
| Mammary Gland | Acinus | Ectasia | Marked |
| | Duct | Ectasia | Marked |
| | | Fibroadenoma | |

Note: FIBROADENOMA TGLs = 2,3-13,14

Note: ECTASIA TGLs = 1-7

| | | | |
|-----------------|----------------|--------------|------|
| Nose | Olfactory Epi | Degeneration | Mild |
| | Respirat Epith | Degeneration | Mild |
| Pituitary Gland | Pars Distalis | Adenoma | |

Note: ADENOMA TGLs = 4-1

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:12

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 82

TRT#: 4

SEX: Female

DAY ON TEST: 731

DOSE: 5.0%

DISP: Terminal Sacrifice

HISTO: A85-0381

ORGAN AND ACCOUNTABLE SITE STATUS

| | | | |
|---------------|-------------------|----------------------------------|------------------|
| Spleen | | Hematopoietic Cell Proliferation | Moderate |
| | | Pigmentation | Mild |
| Stomach | Glandular, Mucosa | Dilatation | Mild |
| Thyroid Gland | C Cell | Adenoma | |
| | C Cell | Hyperplasia | Mild |
| Uterus | Endometrium | Hyperplasia | Cystic, Moderate |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:12

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 83

TRT#: 4

SEX: Female

DAY ON TEST: 731

DOSE: 5.0%

DISP: Terminal Sacrifice

HISTO: A85-0382

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 |
| Lymph Node - Mandibular | Lymph Node - Mesenteric | Ovary | Parathyroid Gland |
| Salivary Glands | Skin | Stomach - Forestomach | Thymus |
| Trachea | Urinary Bladder | | |

OBSERVATIONS

| | | | |
|-------------------------------------|-------------------|----------------------------------|-------------------|
| Adrenal Gland | Cortex | Hyperplasia | Mild |
| | Cortex | Pigmentation | Minimal |
| Clitoral Gland | | Carcinoma | |
| Heart | | Cardiomyopathy | Chronic, Mild |
| Kidney | | Nephropathy | Chronic, Moderate |
| | Renal Tubule | Pigmentation | Mild |
| Liver | | Basophilic Focus | |
| | | Developmental Malformation | |
| Note: DEVELOP MALFOR TGLs = 3-15 | | | |
| Lung | Alveolus | Infiltration Cellular | Histiocyte, Mild |
| Mammary Gland | Acinus | Ectasia | Moderate |
| | Acinus | Fibroadenoma | |
| | | Hyperplasia | Mild |
| | | Inflammation | Acute, Mild |
| Note: FIBROADENOMA TGLs = 1,2-13,14 | | | |
| Nose | Olfactory Epi | Degeneration | Mild |
| | Respirat Epith | Degeneration | Mild |
| Pancreas | Acinus | Atrophy | Minimal |
| | Acinus | Hyperplasia | Mild |
| Pituitary Gland | Pars Distalis | Cyst | |
| Spleen | | Hematopoietic Cell Proliferation | Mild |
| | | Pigmentation | Mild |
| Stomach | Glandular, Mucosa | Dilatation | Mild |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:12

First Dose M/F: NA / NA

Lab: SRI

| | | | |
|--|-------------------------------------|---|---|
| ANIMAL ID: 83 | TRT#: 4 DOSE: 5.0% | SEX: Female DISP: Terminal Sacrifice | DAY ON TEST: 731 HISTO: A85-0382 |
| ORGAN AND ACCOUNTABLE SITE STATUS | | | |
| Thyroid Gland | C Cell | Hyperplasia | Minimal |
| Uterus | Endometrium | Polyp Stromal | |
| PRIMARY CAUSE OF DEATH | - | | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:12

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 84

TRT#: 4

SEX: Female

DAY ON TEST: 731

DOSE: 5.0%

DISP: Terminal Sacrifice

HISTO: A85-0383

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Parathyroid Gland

OBSERVATIONS

| | | | |
|-----------------|-----------------|----------------------------------|-------------------------------|
| Adrenal Gland | Cortex | Degeneration | Fatty, Mild |
| | Medulla | Hyperplasia | Mild |
| Heart | | Cardiomyopathy | Chronic, Minimal |
| Kidney | | Nephropathy | Chronic, Moderate |
| | Renal Tubule | Pigmentation | Mild |
| Liver | | Basophilic Focus | |
| | Bile Duct | Hyperplasia | Minimal |
| Lung | Interstitialium | Inflammation | Chronic, Minimal |
| | Arteriole | Mineralization | Mild |
| Lymph Node | Mediastinal | Congestion | Moderate |
| Mammary Gland | Duct | Ectasia | Mild |
| Mesentery | Fat | Necrosis | Moderate |
| Note: NECROSIS | TGLs = 1-13 | | |
| Nose | Olfactory Epi | Degeneration | Mild |
| | Respirat Epith | Degeneration | Moderate |
| | Lumen | Hemorrhage | Minimal |
| | Nasolacrim Dct | Inflammation | Acute, Mild |
| Pituitary Gland | Pars Distalis | Adenoma | |
| | Pars Intermed | Cyst | |
| Spleen | | Hematopoietic Cell Proliferation | Mild |
| | | Hyperplasia | Lymphoid, Histiocytic, Marked |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:12

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 84

TRT#: 4

SEX: Female

DAY ON TEST: 731

DOSE: 5.0%

DISP: Terminal Sacrifice

HISTO: A85-0383

ORGAN AND ACCOUNTABLE SITE STATUS

| | | | |
|---------------------------------------|-------------------|--------------|---------------|
| Note: [HYPERPLASIA] TGLs = 2,3-14+2 | Capsule | Inflammation | Chronic, Mild |
| Stomach | Glandular, Mucosa | Dilatation | Mild |
| Thymus | | Congestion | Marked |
| Note: CONGESTION TGLs = 4-3 | | | |
| Thyroid Gland | C Cell | Hyperplasia | Minimal |
| Uterus | Endometrium | Hyperplasia | Cystic, Mild |
| PRIMARY CAUSE OF DEATH | - | | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:12

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 85

TRT#: 4

SEX: Female

DAY ON TEST: 731

DOSE: 5.0%

DISP: Terminal Sacrifice

HISTO: A85-0384

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

| | | | |
|-----------------|----------------|----------------------------------|------------------|
| Adrenal Gland | Medulla | Pheochromocytoma Nos | |
| Brain | | Compression | |
| | | Hemorrhage | Mild |
| Heart | | Cardiomyopathy | Chronic, Mild |
| Kidney | | Nephropathy | Chronic, Minimal |
| | Renal Tubule | Pigmentation | Mild |
| Liver | | Basophilic Focus | |
| | Portal | Inflammation | Chronic, Minimal |
| Lung | | Congestion | Mild |
| | | Hemorrhage | Minimal |
| | Arteriole | Mineralization | Mild |
| Lymph Node | Mediastinal | Congestion | Mild |
| | Mandibular | Hyperplasia | Lymphoid, Mild |
| | Mediastinal | Pigmentation | Mild |
| Mammary Gland | Acinus | Ectasia | Mild |
| | Duct | Ectasia | Mild |
| Note: ECTASIA | TGLs = 1-7 | | |
| Nose | Lumen | Hemorrhage | Mild |
| | Nasolacrim Dct | Inflammation | Acute, Mild |
| Pituitary Gland | Pars Distalis | Adenoma | |
| Note: ADENOMA | TGLs = 2-1 | | |
| Spleen | | Hematopoietic Cell Proliferation | Mild |
| | | Pigmentation | Moderate |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:12

First Dose M/F: NA / NA

Lab: SRI

| | | | |
|--|-------------------------------------|---|---|
| ANIMAL ID: 85 | TRT#: 4 DOSE: 5.0% | SEX: Female DISP: Terminal Sacrifice | DAY ON TEST: 731 HISTO: A85-0384 |
| ORGAN AND ACCOUNTABLE SITE STATUS | | | |
| Stomach | Glandular, Mucosa Glandular | Dilatation Mineralization | Mild Minimal |
| PRIMARY CAUSE OF DEATH | - | | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:12

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 86

TRT#: 4

SEX: Female

DAY ON TEST: 535

DOSE: 5.0%

DISP: Moribund

HISTO: A85-0385

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 | Ovary | Pancreas |
| Parathyroid Gland | Salivary Glands | Skin | Stomach - Forestomach |
| Trachea | Urinary Bladder | | |

OBSERVATIONS

| | | | |
|-----------------|-------------------|----------------------------------|----------------------|
| Heart | | Cardiomyopathy | Chronic, Minimal |
| Kidney | | Nephropathy | Chronic, Mild |
| Liver | | Basophilic Focus | |
| Lung | | Hemorrhage | Minimal |
| | Alveolus | Infiltration Cellular | Histiocyte, Moderate |
| | Arteriole | Mineralization | Mild |
| Lymph Node | Mandibular | Hyperplasia | Lymphoid, Mild |
| | Mesenteric | Hyperplasia | Lymphoid, Mild |
| Mammary Gland | Duct | Ectasia | Mild |
| Nose | Olfactory Epi | Degeneration | Minimal |
| | Lumen | Hemorrhage | Mild |
| Pituitary Gland | Pars Distalis | Adenoma | |
| Spleen | | Hematopoietic Cell Proliferation | Mild |
| | | Pigmentation | Mild |
| Stomach | Glandular, Mucosa | Dilatation | Mild |
| Thymus | | Hyperplasia | Lymphoid, Mild |
| Thyroid Gland | C Cell | Hyperplasia | Mild |
| Uterus | Endometrium | Hyperplasia | Cystic, Mild |

PRIMARY CAUSE OF DEATH

-

Animal Note: COD-UNKNOWN

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:12

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 87

TRT#: 4

SEX: Female

DAY ON TEST: 633

DOSE: 5.0%

DISP: Moribund

HISTO: A85-0386

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|----------------------------|-------------------------|---------------------------|--------------------------|
| Adrenal Gland - Medulla | Bone | Bone Marrow | Clitoral Gland |
| Esophagus | Intestine Large - Cecum | Intestine Large - Colon | Intestine Large - Rectum |
| Intestine Small - Duodenum | Intestine Small - Ileum | Intestine Small - Jejunum | Islets, Pancreatic |
| Lymph Node - Mesenteric | Ovary | Pancreas | Parathyroid Gland |
| Salivary Glands | Skin | Trachea | Urinary Bladder |
| Uterus | | | |

OBSERVATIONS

| | | | |
|--------------------|----------------|-----------------------|------------------|
| Adrenal Gland | Cortex | Pigmentation | Minimal |
| Brain | | Compression | |
| Heart | | Cardiomyopathy | Chronic, Minimal |
| | Coron Artery | Mineralization | Mild |
| Kidney | | Nephropathy | Chronic, Mild |
| | Renal Tubule | Pigmentation | Mild |
| Liver | | Basophilic Focus | |
| | | Fatty Change | Minimal |
| | Bile Duct | Hyperplasia | Mild |
| | Portal | Inflammation | Chronic, Mild |
| Lung | Alveolus | Infiltration Cellular | Histiocyte, Mild |
| Lymph Node | Mandibular | Hyperplasia | Lymphoid, Mild |
| Mammary Gland | Acinus | Ectasia | Moderate |
| | Duct | Ectasia | Moderate |
| | | Fibroadenoma | |
| Note: ECTASIA | TGLs = 1-7+13 | | |
| Note: FIBROADENOMA | TGLs = 2-13 | | |
| Nose | Olfactory Epi | Degeneration | Mild |
| | Lumen | Hemorrhage | Mild |
| | Nasolacrim Dct | Inflammation | Acute, Mild |
| Pituitary Gland | Pars Distalis | Adenoma | |
| Note: COD-ADENOMA | | | |
| Note: ADENOMA | TGLs = 3-1 | | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:12

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 87

TRT#: 4

SEX: Female

DAY ON TEST: 633

DOSE: 5.0%

DISP: Moribund

HISTO: A85-0386

ORGAN AND ACCOUNTABLE SITE STATUS

| | | | |
|---------------|-------------------|----------------------------------|----------------|
| Spleen | | Hematopoietic Cell Proliferation | Mild |
| | | Pigmentation | Moderate |
| Stomach | Glandular, Mucosa | Dilatation | Mild |
| | Forestomach | Mineralization | Mild |
| | Glandular | Mineralization | Mild |
| Thymus | | Hyperplasia | Lymphoid, Mild |
| Thyroid Gland | C Cell | Hyperplasia | Minimal |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:12

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 88

TRT#: 4

SEX: Female

DAY ON TEST: 708

DOSE: 5.0%

DISP: Moribund

HISTO: A85-0387

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|-------------------------|---------------------------|--------------------|----------------------------|
| Bone | Brain | Esophagus | Intestine Small - Duodenum |
| Intestine Small - Ileum | Intestine Small - Jejunum | Islets, Pancreatic | Ovary |
| Parathyroid Gland | Salivary Glands | Skin | Stomach - Forestomach |
| Trachea | Urinary Bladder | Uterus | |

OBSERVATIONS

| | | | |
|----------------------------------|--------------------------|---|----------------------------------|
| Adrenal Gland | Cortex Medulla | Leukemia Mononuclear Pheochromocytoma Nos | |
| Bone Marrow | | Leukemia Mononuclear | |
| Clitoral Gland | Duct | Ectasia Inflammation | Moderate Chronic Active, Mild |
| Note: ECTASIA TGLs = 3-8 | | | |
| Heart | | Cardiomyopathy | Chronic, Mild |
| Intestine Large | Cecum Colon Rectum | Parasite Metazoan Parasite Metazoan Parasite Metazoan | |
| Kidney | Renal Tubule | Nephropathy Pigmentation | Chronic, Mild Mild |
| Note: TGL # 4-NCL | | | |
| Liver | Bile Duct | Basophilic Focus Hepatocellular Adenoma Hyperplasia Leukemia Mononuclear | Minimal |
| Note: COD-LEUKEMIA MONUC | | | |
| Note: HEPATOCLR ADEN TGLs = 6-14 | | | |
| Lung | Alveolus | Hemorrhage Infiltration Cellular Leukemia Mononuclear | Minimal Histiocyte, Mild |
| Note: LEUKEMIA MONUC TGLs = 7-3 | | | |
| Lymph Node | Mandibular Mesenteric | Hyperplasia Leukemia Mononuclear | Lymphoid, Mild |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:12

First Dose M/F: NA / NA

Lab: SRI

| | | | |
|----------------------|-------------------------------------|---|---|
| ANIMAL ID: 88 | TRT#: 4 DOSE: 5.0% | SEX: Female DISP: Moribund | DAY ON TEST: 708 HISTO: A85-0387 |
|----------------------|-------------------------------------|---|---|

| ORGAN AND ACCOUNTABLE SITE STATUS | | | |
|---|--|--|--|
| Mammary Gland | Acinus Duct | Ectasia Ectasia Fibroadenoma | Moderate Moderate |
| Note: FIBROADENOMA TGLs = 2-13 Note: ECTASIA TGLs = 1-13+7 | | | |
| Nose | Olfactory Epi Respirat Epith Lumen Nasolacrim Dct | Degeneration Degeneration Hemorrhage Inflammation | Mild Minimal Mild Acute, Mild |
| Pancreas | Acinus | Atrophy | Minimal |
| Pituitary Gland | Pars Distalis | Hyperplasia | Mild |
| Spleen | | Hematopoietic Cell Proliferation Leukemia Mononuclear | Mild |
| Note: LEUKEMIA MONUC TGLs = 5-2 | | | |
| Stomach | Glandular, Mucosa | Dilatation | Mild |
| Thymus | | Leukemia Mononuclear | |
| Thyroid Gland | C Cell | Hyperplasia | Mild |

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

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:12

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 89

TRT#: 4

SEX: Female

DAY ON TEST: 700

DOSE: 5.0%

DISP: Moribund

HISTO: A85-0388

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|--------------------------|----------------------------|-------------------------|---------------------------|
| Bone Marrow | Esophagus | Intestine Large - Cecum | Intestine Large - Colon |
| Intestine Large - Rectum | Intestine Small - Duodenum | Intestine Small - Ileum | Intestine Small - Jejunum |
| Islets, Pancreatic | Ovary | Pancreas | Parathyroid Gland |
| Salivary Glands | Stomach - Forestomach | Trachea | Urinary Bladder |

OBSERVATIONS

| | | | |
|---------------------------------|---------------|-----------------------|------------------|
| Adrenal Gland | Cortex | Degeneration | Fatty, Minimal |
| | Medulla | Pheochromocytoma Nos | |
| Bone | Cortex | Pigmentation | Minimal |
| | Cranium | Osteopetrosis | Moderate |
| Note: OSTEOPETROSIS TGLs = 4-14 | | | |
| Brain | | Compression | |
| Clitoral Gland | Duct | Hyperplasia | Mild |
| | | Inflammation | Chronic, Mild |
| Heart | | Cardiomyopathy | Chronic, Mild |
| Kidney | Renal Tubule | Nephropathy | Chronic, Mild |
| | | Pigmentation | Mild |
| Liver | | Basophilic Focus | |
| | | Fatty Change | Minimal |
| Lung | Alveolus | Leukemia Mononuclear | |
| | | Infiltration Cellular | Histiocyte, Mild |
| Lymph Node | Arteriole | Leukemia Mononuclear | |
| | Mandibular | Mineralization | Mild |
| Mammary Gland | Mesenteric | Hyperplasia | Lymphoid, Mild |
| | Acinus | Leukemia Mononuclear | |
| Mesentery | Duct | Ectasia | Moderate |
| | Fat | Ectasia | Marked |
| Note: NECROSIS TGLs = 2-13 | | | |
| Nose | Olfactory Epi | Necrosis | Marked |
| | Lumen | Degeneration | Mild |
| | | Hemorrhage | Minimal |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014
Time Report Requested: 08:21:12
First Dose M/F: NA / NA
Lab: SRI

| | | | |
|----------------------|-------------------------------------|---|---|
| ANIMAL ID: 89 | TRT#: 4 DOSE: 5.0% | SEX: Female DISP: Moribund | DAY ON TEST: 700 HISTO: A85-0388 |
|----------------------|-------------------------------------|---|---|

| ORGAN AND ACCOUNTABLE SITE STATUS | | | |
|--|---------------------------------|--|------------------------|
| Pituitary Gland Note: ADENOMA TGLs = 5-1 Note: COD-ADENOMA | Nasolacrim Dct Pars Distalis | Inflammation Adenoma | Acute, Mild |
| Skin Note: RECUT - TGL # 1-NCL | | Cyst Epithelial Inclusion | |
| Spleen | | Hematopoietic Cell Proliferation Pigmentation | Mild Mild |
| Stomach Thymus | Glandular, Mucosa | Dilatation Hyperplasia | Mild Lymphoid, Mild |
| Thyroid Gland | C Cell | Hyperplasia Ultimobranchial Cyst | Minimal |
| Uterus Note: POLYP STROMAL TGLs = 3-6 | Endometrium | Polyp Stromal | |

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

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:12

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 90

TRT#: 4

SEX: Female

DAY ON TEST: 731

DOSE: 5.0%

DISP: Terminal Sacrifice

HISTO: A85-0389

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 |
| Lymph Node - Mandibular | Lymph Node - Mesenteric | Ovary | Pancreas |
| Parathyroid Gland | Salivary Glands | Skin | Stomach - Forestomach |
| Stomach - Glandular | Thymus | Trachea | Urinary Bladder |

OBSERVATIONS

| | | | |
|---------------------|----------------|----------------------------------|-------------------|
| Adrenal Gland | Cortex | Degeneration | Fatty, Mild |
| | Cortex | Hypertrophy | Mild |
| | Cortex | Pigmentation | Minimal |
| Clitoral Gland | | Abscess | Marked |
| Note: ABSCESS | TGLs = 3-15 | | |
| Heart | | Cardiomyopathy | Chronic, Moderate |
| Kidney | Pelvis | Inflammation | Acute, Mild |
| | | Nephropathy | Chronic, Mild |
| | Renal Tubule | Pigmentation | Mild |
| Liver | | Basophilic Focus | |
| Lung | | Congestion | Mild |
| Mammary Gland | Acinus | Ectasia | Mild |
| | Duct | Ectasia | Moderate |
| Nose | Olfactory Epi | Degeneration | Mild |
| | Lumen | Hemorrhage | Mild |
| | Nasolacrim Dct | Inflammation | Acute, Minimal |
| Pituitary Gland | Pars Distalis | Adenoma | |
| Spleen | | Hematopoietic Cell Proliferation | Mild |
| | | Pigmentation | Mild |
| Thyroid Gland | C Cell | Hyperplasia | Mild |
| Uterus | Endometrium | Hyperplasia | Cystic, Mild |
| | Endometrium | Polyp Stromal | |
| Note: POLYP STROMAL | TGLs = 2-14 | | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:12

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 90

TRT#: 4

SEX: Female

DAY ON TEST: 731

DOSE: 5.0%

DISP: Terminal Sacrifice

HISTO: A85-0389

ORGAN AND ACCOUNTABLE SITE STATUS

Zymbal's Gland

Adenoma

Note: ADENOMA TGLs = 1-13

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:12

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 91

TRT#: 4

SEX: Female

DAY ON TEST: 731

DOSE: 5.0%

DISP: Terminal Sacrifice

HISTO: A85-0390

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|---------------------------|-------------------------|----------------------------|-------------------------|
| Bone | Bone Marrow | Brain | Clitoral Gland |
| Esophagus | Intestine Large - Cecum | Intestine Small - Duodenum | Intestine Small - Ileum |
| Intestine Small - Jejunum | Islets, Pancreatic | Lymph Node - Mesenteric | Ovary |
| Parathyroid Gland | Salivary Glands | Skin | Stomach - Forestomach |
| Trachea | Urinary Bladder | | |

OBSERVATIONS

| | | | |
|----------------------|--------------|----------------------------|-------------------|
| Adrenal Gland | Cortex | Degeneration | Fatty, Moderate |
| | Medulla | Hyperplasia | Mild |
| | Cortex | Pigmentation | Minimal |
| Eye | | Cataract | Marked |
| | Retina | Degeneration | Marked |
| | | Hemorrhage | Marked |
| | | Synechia | Marked |
| Note: SYNECHIA | TGLs = 1-13 | | |
| Note: HEMORRHAGE | TGLs = 1-13 | | |
| Note: DEGEN | TGLs = 1-13 | | |
| Note: CATARACT | TGLs = 1-13 | | |
| Heart | | Cardiomyopathy | Chronic, Minimal |
| Intestine Large | Colon | Parasite Metazoan | |
| | Rectum | Parasite Metazoan | |
| Kidney | | Nephropathy | Chronic, Mild |
| | Renal Tubule | Pigmentation | Mild |
| Liver | | Basophilic Focus | |
| | | Developmental Malformation | |
| | | Granuloma | Mild |
| | Bile Duct | Hyperplasia | Minimal |
| | Portal | Inflammation | Chronic, Moderate |
| Note: DEVELOP MALFOR | TGLs = 6-16 | | |
| Lung | Arteriole | Mineralization | Mild |
| Lymph Node | Mandibular | Hyperplasia | Lymphoid, Mild |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:12

First Dose M/F: NA / NA

Lab: SRI

| | | | |
|----------------------|-------------------|---------------------------------|-------------------------|
| ANIMAL ID: 91 | TRT#: 4 | SEX: Female | DAY ON TEST: 731 |
| | DOSE: 5.0% | DISP: Terminal Sacrifice | HISTO: A85-0390 |

ORGAN AND ACCOUNTABLE SITE STATUS

| | | | |
|--------------------|------------------|----------------------------------|---------------|
| Mammary Gland | Acinus | Ectasia | Mild |
| | Duct | Ectasia | Moderate |
| | | Fibroadenoma | |
| Note: FIBROADENOMA | TGLs = 2,3-14,15 | | |
| Nose | Olfactory Epi | Degeneration | Mild |
| | Respirat Epith | Degeneration | Mild |
| | Lumen | Hemorrhage | Minimal |
| Pancreas | Acinus | Atrophy | Minimal |
| Pituitary Gland | Pars Distalis | Adenoma | |
| | Pars Distalis | Cyst | |
| Spleen | | Hematopoietic Cell Proliferation | Mild |
| | | Pigmentation | Moderate |
| Stomach | Glandular | Mineralization | Mild |
| Thymus | | Cyst | |
| Thyroid Gland | C Cell | Hyperplasia | Minimal |
| Uterus | | Inflammation | Acute, Marked |
| Note: INFLAMMATION | TGLs = 5-6 | | |
| Vagina | | Inflammation | Acute, Mild |
| Note: INFLAMMATION | TGLs = 4-6 | | |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:12

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 92

TRT#: 4

SEX: Female

DAY ON TEST: 731

DOSE: 5.0%

DISP: Terminal Sacrifice

HISTO: A85-0391

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla
Clitoral Gland
Intestine Large - Rectum
Islets, Pancreatic
Parathyroid Gland
Trachea

Bone
Esophagus
Intestine Small - Duodenum
Lymph Node - Mesenteric
Salivary Glands
Urinary Bladder

Bone Marrow
Intestine Large - Cecum
Intestine Small - Ileum
Ovary
Skin

Brain
Intestine Large - Colon
Intestine Small - Jejunum
Pancreas
Stomach - Forestomach

MISSING

Thymus

OBSERVATIONS

Adrenal Gland

Cortex
Cortex

Degeneration
Pigmentation
Cardiomyopathy

Fatty, Minimal
Minimal
Chronic, Moderate

Heart
Kidney

Renal Tubule

Nephropathy
Pigmentation

Chronic, Mild
Mild

Note: TGL # 3-NCL
Liver

Basophilic Focus
Developmental Malformation
Granuloma
Hepatocellular Adenoma

Mild

Bile Duct
Portal

Hyperplasia
Inflammation

Minimal
Chronic, Minimal

Note: HEPATOCLR ADEN TGLs = 4-14
Note: DEVELOP MALFOR TGLs = 4-14

Lung

Alveolus
Arteriole

Infiltration Cellular
Mineralization

Histiocyte, Mild
Mild

Lymph Node

Mandibular
Mediastinal

Hyperplasia
Hyperplasia

Lymphoid, Mild
Lymphoid, Moderate

Mammary Gland

Acinus
Duct

Ectasia
Ectasia
Fibroadenoma

Marked
Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:12

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 92

TRT#: 4

SEX: Female

DAY ON TEST: 731

DOSE: 5.0%

DISP: Terminal Sacrifice

HISTO: A85-0391

ORGAN AND ACCOUNTABLE SITE STATUS

Note: ECTASIA TGLs = 2-7+13

Note: FIBROADENOMA TGLs = 1-13

Nose

Olfactory Epi

Degeneration

Mild

Lumen

Hemorrhage

Minimal

Pars Distalis

Adenoma

Pituitary Gland

Note: ADENOMA TGLs = 5-1

Spleen

Hematopoietic Cell Proliferation

Mild

Pigmentation

Mild

Stomach

Glandular, Mucosa

Dilatation

Mild

Thyroid Gland

C Cell

Adenoma

C Cell

Hyperplasia

Minimal

Uterus

Endometrium

Hyperplasia

Cystic, Moderate

Note: HYPERPLASIA TGLs = 6-6

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:12

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 93

TRT#: 4

SEX: Female

DAY ON TEST: 694

DOSE: 5.0%

DISP: Moribund

HISTO: A85-0392

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|--------------------------|----------------------------|-------------------------|---------------------------|
| Bone | Brain | Esophagus | Intestine Large - Cecum |
| Intestine Large - Rectum | Intestine Small - Duodenum | Intestine Small - Ileum | Intestine Small - Jejunum |
| Islets, Pancreatic | Parathyroid Gland | Salivary Glands | Skin |
| Thyroid Gland | Trachea | Urinary Bladder | |

OBSERVATIONS

| | | | |
|----------------------|-------------|----------------------|--------------------------|
| Adrenal Gland | Cortex | Degeneration | Fatty, Mild |
| | Cortex | Leukemia Mononuclear | |
| | Medulla | Leukemia Mononuclear | |
| | Cortex | Mineralization | Mild |
| | Cortex | Pigmentation | Mild |
| Bone Marrow | | Leukemia Mononuclear | |
| Clitoral Gland | | Inflammation | Chronic Active, Moderate |
| Eye | | Cataract | Marked |
| | Retina | Degeneration | Marked |
| Note: DEGEN | TGLs = 1-17 | | |
| Note: CATARACT | TGLs = 1-17 | | |
| Heart | | Cardiomyopathy | Chronic, Minimal |
| | | Leukemia Mononuclear | |
| Intestine Large | Colon | Parasite Metazoan | |
| Kidney | | Leukemia Mononuclear | |
| | | Nephropathy | Chronic, Minimal |
| Liver | Bile Duct | Hyperplasia | Moderate |
| | | Leukemia Mononuclear | |
| Note: LEUKEMIA MONUC | TGLs = 9-2 | | |
| Lung | | Leukemia Mononuclear | |
| | Arteriole | Mineralization | Mild |
| Lymph Node | Mandibular | Leukemia Mononuclear | |
| | Mediastinal | Leukemia Mononuclear | |
| | Mesenteric | Leukemia Mononuclear | |
| | Pancreatic | Leukemia Mononuclear | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:12

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 93

TRT#: 4

SEX: Female

DAY ON TEST: 694

DOSE: 5.0%

DISP: Moribund

HISTO: A85-0392

ORGAN AND ACCOUNTABLE SITE STATUS

| | | | |
|-------------------------------------|----------------------------------|---------------------------------|--------------------------|
| Note: LEUKEMIA MONUC TGLs = 6-4 | | | |
| Mammary Gland | Acinus | Ectasia Fibroadenoma | Moderate |
| Note: ECTASIA TGLs = 4-7 | | | |
| Note: FIBROADENOMA TGLs = 2,3-13,14 | | | |
| Nose | Olfactory Epi Respirat Epith | Degeneration Degeneration | Mild Minimal |
| Ovary | | Leukemia Mononuclear | |
| Pancreas | Acinus | Atrophy | Minimal |
| Pituitary Gland | Pars Distalis | Adenoma | |
| Note: ADENOMA TGLs = 10-1 | | | |
| Spleen | | Infarct Leukemia Mononuclear | Marked |
| Note: COD-LEUKEMIA MONUC | | | |
| Note: LEUKEMIA MONUC TGLs = 7-16+2 | | | |
| Note: INFARCT TGLs = 8-16 | | | |
| Stomach | Glandular, Mucosa Forestomach | Dilatation Inflammation | Minimal Chronic, Mild |
| Thymus | | Leukemia Mononuclear | |
| Uterus | Endometrium Endometrium | Hyperplasia Polyp Stromal | Cystic, Mild |
| Note: POLYP STROMAL TGLs = 5-15 | | | |

PRIMARY CAUSE OF DEATH

-

Animal Note: TGL # 11 (CARCASS)-NCL

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:12

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 94

TRT#: 4

SEX: Female

DAY ON TEST: 567

DOSE: 5.0%

DISP: Dead

HISTO: A85-0393

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|---------------------------|--------------------------|----------------------------|-------------------------|
| Adrenal Gland - Cortex | Adrenal Gland - Medulla | Bone | Bone Marrow |
| Brain | Clitoral Gland | Esophagus | Intestine Large - Cecum |
| Intestine Large - Colon | Intestine Large - Rectum | Intestine Small - Duodenum | Intestine Small - Ileum |
| Intestine Small - Jejunum | Islets, Pancreatic | Lymph Node - Mesenteric | Ovary |
| Pancreas | Pituitary Gland | Salivary Glands | Skin |
| Stomach - Forestomach | Stomach - Glandular | Urinary Bladder | |

MISSING

Parathyroid Gland

OBSERVATIONS

| | | | |
|-----------------------|----------------|-------------------|---------------------|
| Heart | | Cardiomyopathy | Chronic, Mild |
| Kidney | | Nephropathy | Chronic, Minimal |
| | Renal Tubule | Pigmentation | Minimal |
| Liver | | Basophilic Focus | |
| Lung | | Congestion | Marked |
| | Arteriole | Mineralization | Mild |
| Note: CONGESTION | TGLs = 2-3 | | |
| Lymph Node | Mandibular | Hyperplasia | Lymphoid, Mild |
| Mammary Gland | Acinus | Ectasia | Mild |
| Nose | Olfactory Epi | Degeneration | Mild |
| | Respirat Epith | Degeneration | Moderate |
| Spleen | | Pigmentation | Moderate |
| Thymus | | Thymoma Malignant | |
| Note: COD-THYMOMA MAL | | | |
| Note: THYMOMA MAL | TGLs = 1-13+3 | | |
| Thyroid Gland | | Thymoma Malignant | Metastatic (Thymus) |
| Note: THYMOMA MAL | TGLs = 3-3 | | |
| Trachea | | Thymoma Malignant | Metastatic (Thymus) |
| Uterus | Endometrium | Polyp Stromal | |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:12

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 95

TRT#: 4

SEX: Female

DAY ON TEST: 699

DOSE: 5.0%

DISP: Moribund

HISTO: A85-0394

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

| | | | |
|--------------------|----------------|------------------|--------------------|
| Adrenal Gland | Cortex | Degeneration | Fatty, Minimal |
| | Medulla | Hyperplasia | Mild |
| | Cortex | Pigmentation | Minimal |
| Brain | | Compression | |
| Note: COMPRESSION | TGLs = 5-1 | | |
| Clitoral Gl | | | |
| Note: TGL # 2-NCL | | | |
| Heart | | Cardiomyopathy | Chronic, Mild |
| Kidney | | Nephropathy | Chronic, Mild |
| | Renal Tubule | Pigmentation | Mild |
| Liver | | Basophilic Focus | |
| | Bile Duct | Hyperplasia | Minimal |
| | Portal | Inflammation | Chronic, Minimal |
| Lung | Arteriole | Mineralization | Mild |
| Lymph Node | Mandibular | Congestion | Mild |
| | Mandibular | Hyperplasia | Lymphoid, Moderate |
| Mammary Gland | Acinus | Ectasia | Moderate |
| | Duct | Ectasia | Moderate |
| | | Fibroadenoma | |
| Note: FIBROADENOMA | TGLs = 3-13 | | |
| Note: ECTASIA | TGLs = 1-7 | | |
| Nose | Olfactory Epi | Degeneration | Mild |
| | Respirat Epith | Degeneration | Mild |
| Pancreas | Acinus | Atrophy | Mild |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:12

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 95

TRT#: 4

SEX: Female

DAY ON TEST: 699

DOSE: 5.0%

DISP: Moribund

HISTO: A85-0394

ORGAN AND ACCOUNTABLE SITE STATUS

| | | | |
|--|-------------------|--|------------------|
| Pituitary Gland Note: COD-ADENOMA Note: ADENOMA TGLs = 4-1 | Pars Distalis | Adenoma | |
| Spleen | | Hematopoietic Cell Proliferation Pigmentation | Mild Moderate |
| Stomach | Glandular, Mucosa | Dilatation | Mild |
| Thymus | | Hyperplasia | Lymphoid, Mild |
| Thyroid Gland | C Cell | Hyperplasia | Minimal |
| PRIMARY CAUSE OF DEATH | - | | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:12

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 96

TRT#: 4

SEX: Female

DAY ON TEST: 571

DOSE: 5.0%

DISP: Moribund

HISTO: A85-0395

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

| | | | |
|-------------------|----------------|----------------------------------|------------------|
| Adrenal Gland | Cortex | Pigmentation | Minimal |
| Brain | | Compression | |
| Heart | | Cardiomyopathy | Chronic, Minimal |
| Kidney | | Nephropathy | Chronic, Mild |
| | Renal Tubule | Pigmentation | Minimal |
| Liver | | Basophilic Focus | |
| | | Fatty Change | Mild |
| | Bile Duct | Hyperplasia | Minimal |
| Lung | | Hemorrhage | Minimal |
| | Arteriole | Mineralization | Mild |
| Mammary Gland | Acinus | Ectasia | Mild |
| Note: ECTASIA | | | |
| TGLs = 1-7 | | | |
| Nose | Olfactory Epi | Degeneration | Mild |
| | Lumen | Hemorrhage | Minimal |
| | Nasolacrim Dct | Inflammation | Acute, Minimal |
| Pituitary Gland | Pars Distalis | Adenoma | |
| Note: COD-ADENOMA | | | |
| Note: ADENOMA | | | |
| TGLs = 2-1 | | | |
| Spleen | | Hematopoietic Cell Proliferation | Mild |
| | | Pigmentation | Moderate |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:12

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 97

TRT#: 4

SEX: Female

DAY ON TEST: 717

DOSE: 5.0%

DISP: Moribund

HISTO: A85-0396

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|--------------------------|----------------------------|-------------------------|---------------------------|
| Brain | Esophagus | Intestine Large - Cecum | Intestine Large - Colon |
| Intestine Large - Rectum | Intestine Small - Duodenum | Intestine Small - Ileum | Intestine Small - Jejunum |
| Islets, Pancreatic | Ovary | Parathyroid Gland | Skin |
| Stomach - Forestomach | Trachea | Urinary Bladder | |

OBSERVATIONS

| | | | |
|----------------------|--------------|----------------------|------------------|
| Adrenal Gland | Cortex | Leukemia Mononuclear | |
| | Medulla | Leukemia Mononuclear | |
| | Medulla | Pheochromocytoma Nos | |
| | Cortex | Pigmentation | Mild |
| Bone | Cranium | Osteopetrosis | Moderate |
| Note: OSTEOPETROSIS | TGLs = 9-16 | | |
| Bone Marrow | | Leukemia Mononuclear | |
| Clitoral Gland | | Inflammation | Chronic, Mild |
| Heart | | Cardiomyopathy | Chronic, Minimal |
| | | Leukemia Mononuclear | |
| Kidney | | Leukemia Mononuclear | |
| | | Nephropathy | Chronic, Mild |
| | Renal Tubule | Pigmentation | Mild |
| Liver | | Basophilic Focus | |
| | Bile Duct | Hyperplasia | Mild |
| | | Leukemia Mononuclear | |
| Note: LEUKEMIA MONUC | TGLs = 6-2 | | |
| Lung | | Leukemia Mononuclear | |
| | Arteriole | Mineralization | Mild |
| Note: LEUKEMIA MONUC | TGLs = 7-3 | | |
| Lymph Node | Axillary | Leukemia Mononuclear | |
| | Mandibular | Leukemia Mononuclear | |
| | Mediastinal | Leukemia Mononuclear | |
| | Mesenteric | Leukemia Mononuclear | |
| Note: LEUKEMIA MONUC | TGLs = 2-13 | | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:12

First Dose M/F: NA / NA

Lab: SRI

| | | | |
|----------------------|-------------------|-----------------------|-------------------------|
| ANIMAL ID: 97 | TRT#: 4 | SEX: Female | DAY ON TEST: 717 |
| | DOSE: 5.0% | DISP: Moribund | HISTO: A85-0396 |

ORGAN AND ACCOUNTABLE SITE STATUS

| | | | |
|--------------------------|-------------------|----------------------------------|--------------|
| Note: LEUKEMIA MONUC | TGLs = 8-15 | | |
| Note: LEUKEMIA MONUC | TGLs = 1-7 | | |
| Note: COD-LEUKEMIA MONUC | | | |
| Mammary Gland | Acinus | Ectasia | Moderate |
| | Duct | Ectasia | Mild |
| | | Fibroadenoma | |
| Note: ECTASIA | TGLs = 3-14+7 | | |
| Note: FIBROADENOMA | TGLs = 4-14 | | |
| Nose | Olfactory Epi | Degeneration | Mild |
| Pancreas | Acinus | Atrophy | Mild |
| | | Leukemia Mononuclear | |
| Pituitary Gland | Pars Distalis | Cyst | |
| | Pars Intermed | Cyst | |
| | Pars Distalis | Hyperplasia | Mild |
| Note: CYST | TGLs = 10-1 | | |
| Salivary Glands | | Leukemia Mononuclear | |
| Spleen | | Hematopoietic Cell Proliferation | Mild |
| | | Leukemia Mononuclear | |
| | | Pigmentation | Mild |
| Note: LEUKEMIA MONUC | TGLs = 5-2 | | |
| Stomach | Glandular, Mucosa | Dilatation | Mild |
| | Glandular | Leukemia Mononuclear | |
| Thymus | | Leukemia Mononuclear | |
| Thyroid Gland | C Cell | Adenoma | |
| | C Cell | Hyperplasia | Mild |
| Uterus | Endometrium | Hyperplasia | Cystic, Mild |
| PRIMARY CAUSE OF DEATH | - | | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:12

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 98

TRT#: 4

SEX: Female

DAY ON TEST: 612

DOSE: 5.0%

DISP: Moribund

HISTO: A85-0397

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| Bone Intestine Small - Jejunum | Esophagus Islets, Pancreatic | Intestine Small - Duodenum Parathyroid Gland | Intestine Small - Ileum Skin |
|-----------------------------------|---------------------------------|---|---------------------------------|
|-----------------------------------|---------------------------------|---|---------------------------------|

OBSERVATIONS

| | | | |
|--|--|--|------------------------------------|
| Adrenal Gland | Cortex Cortex Medulla Cortex | Degeneration Leukemia Mononuclear Leukemia Mononuclear Pigmentation Leukemia Mononuclear | Fatty, Moderate Minimal |
| Bone Marrow Note: LEUKEMIA MONUC TGLs = 19-9 | | | |
| Brain | | Leukemia Mononuclear | |
| Clitoral Gland Note: LEUKEMIA MONUC TGLs = 4-8 | | Leukemia Mononuclear | |
| Heart | | Leukemia Mononuclear | |
| Intestine Large | Cecum Colon Rectum | Leukemia Mononuclear Leukemia Mononuclear Leukemia Mononuclear | |
| Kidney | Renal Tubule | Leukemia Mononuclear Pigmentation | Mild |
| Liver Note: DEVELOP MALFOR TGLs = 12-16 [Developmental Malformation TGLS = 11-13+16] | | Developmental Malformation Leukemia Mononuclear | |
| Lung | | Leukemia Mononuclear | |
| Lymph Node | Axillary Iliac Inguinal Mandibular Mesenteric Pancreatic Renal | Leukemia Mononuclear Leukemia Mononuclear Leukemia Mononuclear Leukemia Mononuclear Leukemia Mononuclear Leukemia Mononuclear Leukemia Mononuclear | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:12

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 98

TRT#: 4

SEX: Female

DAY ON TEST: 612

DOSE: 5.0%

DISP: Moribund

HISTO: A85-0397

ORGAN AND ACCOUNTABLE SITE STATUS

| | | | |
|---------------------------------------|--------------------------------|--|------|
| Note: LEUKEMIA MONUC | TGLs = 1-7 | | |
| Note: LEUKEMIA MONUC | TGLs = 2-21 | | |
| Note: LEUKEMIA MONUC | TGLs = 3-15 | | |
| Note: COD-LEUKEMIA MONUC | | | |
| [Leukemia Mononuclear TGLS = 13-17] | | | |
| [Leukemia Mononuclear TGLS = 8-14] | | | |
| [Leukemia Mononuclear TGLS = 14-18] | | | |
| [Leukemia Mononuclear TGLS = 15-19] | | | |
| Mammary Gland | | Leukemia Mononuclear | |
| Nose | Olfactory Epi Mucosa | Degeneration | Mild |
| Ovary | | Leukemia Mononuclear | |
| Pancreas | | Leukemia Mononuclear | |
| Pituitary Gland | Pars Distalis Pars Distalis | Adenoma Cyst | |
| Salivary Glands | | Leukemia Mononuclear | |
| Spleen | | Leukemia Mononuclear | |
| Note: LEUKEMIA MONUC | TGLs = 9-2 | | |
| Stomach | Forestomach Glandular | Leukemia Mononuclear Leukemia Mononuclear | |
| Note: LEUKEMIA MONUC | TGLs = 17-4 | | |
| Note: LEUKEMIA MONUC | TGLs = 16-4 | | |
| Thymus | | Leukemia Mononuclear | |
| Note: LEUKEMIA MONUC | TGLs = 18-20 | | |
| Thyroid Gland | C Cell | Adenoma | |
| Trachea | | Leukemia Mononuclear | |
| Urinary Bladder | | Leukemia Mononuclear | |
| Note: LEUKEMIA MONUC | TGLs = 6-4 | | |
| Uterus | | Leukemia Mononuclear | |
| Vagina | | Leukemia Mononuclear | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:12

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 98

TRT#: 4

SEX: Female

DAY ON TEST: 612

DOSE: 5.0%

DISP: Moribund

HISTO: A85-0397

ORGAN AND ACCOUNTABLE SITE STATUS

Note: LEUKEMIA MONUC TGLs = 7-6

PRIMARY CAUSE OF DEATH

-

Animal Note: TGL 10 IS NO SECTION TAKEN

Animal Note: CAVITIES-ABDOMINAL FLUID SMEAR:LEUKEMIA MONUC TGL 5-62

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:12

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 99

TRT#: 4

SEX: Female

DAY ON TEST: 640

DOSE: 5.0%

DISP: Moribund

HISTO: A85-0398

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|----------------------------|-------------------------|---------------------------|--------------------------|
| 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 |
| Lymph Node - Mandibular | Lymph Node - Mesenteric | Ovary | Pancreas |
| Parathyroid Gland | Salivary Glands | Skin | Stomach - Forestomach |
| Stomach - Glandular | Thymus | Trachea | Urinary Bladder |

OBSERVATIONS

| | | | |
|--------------------------------|----------------|----------------------------------|------------------|
| Adrenal Gland | Cortex | Degeneration | Fatty, Minimal |
| Heart | | Cardiomyopathy | Chronic, Minimal |
| Intestine Large | Cecum | Parasite Metazoan | |
| Kidney | | Nephropathy | Chronic, Mild |
| | Renal Tubule | Pigmentation | Minimal |
| Liver | | Basophilic Focus | |
| | Bile Duct | Hyperplasia | Minimal |
| Lung | Alveolar Epith | Hyperplasia | Mild |
| | Alveolus | Infiltration Cellular | Histiocyte, Mild |
| | Arteriole | Mineralization | Mild |
| Mammary Gland | Acinus | Ectasia | Moderate |
| | | Fibroadenoma | |
| Note: FIBROADENOMA TGLs = 1-13 | | | |
| Nose | Olfactory Epi | Degeneration | Mild |
| | Respirat Epith | Degeneration | Minimal |
| | Lumen | Hemorrhage | Mild |
| | Nasolacrim Dct | Inflammation | Acute, Moderate |
| Pituitary Gland | Pars Distalis | Adenoma | |
| Note: ADENOMA TGLs = 3-1 | | | |
| Note: COD-ADENOMA | | | |
| Spleen | | Hematopoietic Cell Proliferation | Mild |
| | | Pigmentation | Mild |
| Thyroid Gland | C Cell | Adenoma | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:12

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 99

TRT#: 4

SEX: Female

DAY ON TEST: 640

DOSE: 5.0%

DISP: Moribund

HISTO: A85-0398

ORGAN AND ACCOUNTABLE SITE STATUS

Uterus

Endometrium

Polyp Stromal

Note: POLYP STROMAL TGLs = 2-14

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:12

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 100

TRT#: 4

DOSE: 5.0%

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 731

HISTO: A85-0399

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 | Lymph Node - Mandibular | Lymph Node - Mesenteric | Ovary |
| Pancreas | Parathyroid Gland | Salivary Glands | Skin |
| Stomach - Forestomach | Trachea | Urinary Bladder | Uterus |

OBSERVATIONS

| | | | |
|--------------------|-------------------|----------------------------------|-------------------|
| Adrenal Gland | Cortex | Hypertrophy | Minimal |
| | Cortex | Pigmentation | Minimal |
| Eye | Retina | Cataract | Marked |
| | | Degeneration | Marked |
| Note: DEGEN | TGLs = 1-13+13.1 | | |
| Note: CATARACT | TGLs = 1-13+13.1 | | |
| Islets, Pancreatic | | Hyperplasia | Mild |
| Kidney | Renal Tubule | Nephropathy | Chronic, Moderate |
| | | Pigmentation | Mild |
| Liver | | Basophilic Focus | |
| | | Granuloma | Mild |
| | Bile Duct | Hyperplasia | Minimal |
| | Portal | Inflammation | Chronic, Minimal |
| Lung | Arteriole | Mineralization | Mild |
| Mammary Gland | Acinus | Ectasia | Marked |
| | Duct | Ectasia | Moderate |
| Nose | Olfactory Epi | Degeneration | Mild |
| Pituitary Gland | Pars Distalis | Adenoma | |
| Note: ADENOMA | TGLs = 2-1 | | |
| Spleen | | Hematopoietic Cell Proliferation | Mild |
| | | Pigmentation | Mild |
| Stomach | Glandular, Mucosa | Dilatation | Minimal |
| Thymus | | Cyst | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:12

First Dose M/F: NA / NA

Lab: SRI

| | | | |
|-----------------------|-------------------------------------|---|---|
| ANIMAL ID: 100 | TRT#: 4 DOSE: 5.0% | SEX: Female DISP: Terminal Sacrifice | DAY ON TEST: 731 HISTO: A85-0399 |
|-----------------------|-------------------------------------|---|---|

ORGAN AND ACCOUNTABLE SITE STATUS

| | | | |
|---------------|------------------|------------------------|------|
| Thyroid Gland | C Cell C Cell | Adenoma Hyperplasia | Mild |
|---------------|------------------|------------------------|------|

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:12

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 106

TRT#: 4

SEX: Female

DAY ON TEST: 316

DOSE: 5.0%

DISP: Dead

HISTO: A83028863

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Brain
Intestine Large - Colon
Lymph Node - Mandibular
Pancreas
Skin
Uterus

Adrenal Gland - Medulla
Clitoral Gland
Intestine Large - Rectum
Lymph Node - Mesenteric
Pituitary Gland
Stomach - Forestomach
Vagina

Bone
Esophagus
Intestine Small - Duodenum
Mammary Gland
Salivary Glands
Thyroid Gland

Bone Marrow
Intestine Large - Cecum
Islets, Pancreatic
Ovary
Skeletal Muscle
Trachea

MISSING

Parathyroid Gland

AUTO PRECLUDES DIAG.

Intestine Small - Ileum

Intestine Small - Jejunum

OBSERVATIONS

| | | | |
|-----------------------------------|-----------|----------------|------------------|
| Heart | | Cardiomyopathy | Chronic, Minimal |
| | | Mineralization | Mild |
| Kidney | Pelvis | Inflammation | Acute, Marked |
| | | Mineralization | Moderate |
| | Pelvis | Necrosis | Marked |
| Note: COD-INFLAMMATION + NECROSIS | | | |
| Liver | | Fatty Change | Minimal |
| Lung | | Congestion | Moderate |
| Note: CONGESTION TGLs = 2-4 | | | |
| Nose | Lumen | Hemorrhage | Mild |
| | Mucosa | Inflammation | Acute, Minimal |
| Spleen | | Pigmentation | Moderate |
| Stomach | Glandular | Mineralization | Moderate |
| Thymus | | Congestion | Mild |
| Urinary Bladder | | Hemorrhage | Mild |
| Note: HEMORRHAGE TGLs = 1-6.2 | | | |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:12

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 107

TRT#: 4

SEX: Female

DAY ON TEST: 634

DOSE: 5.0%

DISP: Dead

HISTO: A85-0406

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

| | | | |
|--------------------------------|----------------|-------------------|------------------|
| Adrenal Gland | Cortex | Pigmentation | Minimal |
| Heart | | Cardiomyopathy | Chronic, Minimal |
| Intestine Large | Colon | Parasite Metazoan | |
| Kidney | | Nephropathy | Chronic, Minimal |
| Liver | | Basophilic Focus | |
| Lung | | Congestion | Moderate |
| Lymph Node | Mandibular | Congestion | Moderate |
| Mammary Gland | Duct | Ectasia | Mild |
| | | Fibroadenoma | |
| Note: FIBROADENOMA TGLs = 1-13 | | | |
| Nose | Olfactory Epi | Degeneration | Mild |
| | Respirat Epith | Degeneration | Minimal |
| Pituitary Gland | Pars Distalis | Adenoma | |
| Note: ADENOMA TGLs = 2-1 | | | |
| Note: COD-ADENOMA | | | |
| Spleen | | Pigmentation | Mild |
| Thymus | | Congestion | Mild |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:12

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 108

TRT#: 4

SEX: Female

DAY ON TEST: 731

DOSE: 5.0%

DISP: Terminal Sacrifice

HISTO: A85-0407

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

| | | | |
|-----------------|---------------|----------------------------------|-------------------|
| Adrenal Gland | Cortex | Degeneration | Fatty, Mild |
| | Cortex | Hyperplasia | Mild |
| | Medulla | Hyperplasia | Mild |
| | Cortex | Pigmentation | Minimal |
| Eye | Retina | Cataract | Marked |
| | | Degeneration | Marked |
| Note: DEGEN | TGLs = 1-13 | | |
| Note: CATARACT | TGLs = 1-13 | | |
| Heart | | Cardiomyopathy | Chronic, Moderate |
| Kidney | | Nephropathy | Chronic, Moderate |
| | Renal Tubule | Pigmentation | Mild |
| Liver | | Basophilic Focus | |
| | Bile Duct | Hyperplasia | Minimal |
| | Portal | Inflammation | Chronic, Minimal |
| Lung | Arteriole | Mineralization | Minimal |
| Lymph Node | Mesenteric | Hyperplasia | Lymphoid, Mild |
| Mammary Gland | Acinus | Ectasia | Mild |
| | Duct | Ectasia | Mild |
| Nose | Olfactory Epi | Degeneration | Mild |
| | Lumen | Hemorrhage | Minimal |
| Pituitary Gland | Pars Distalis | Adenoma | |
| | Pars Distalis | Cyst | |
| Spleen | | Hematopoietic Cell Proliferation | Mild |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:12

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 108

TRT#: 4

SEX: Female

DAY ON TEST: 731

DOSE: 5.0%

DISP: Terminal Sacrifice

HISTO: A85-0407

ORGAN AND ACCOUNTABLE SITE STATUS

Stomach

Glandular, Mucosa

Pigmentation

Mild

Thyroid Gland

C Cell

Dilatation

Mild

Hyperplasia

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:12

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 109

TRT#: 4

SEX: Female

DAY ON TEST: 644

DOSE: 5.0%

DISP: Moribund

HISTO: A85-0408

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|----------------------------|-------------------------|---------------------------|-------------------------|
| Adrenal Gland - Cortex | Adrenal Gland - Medulla | Bone | Bone Marrow |
| Brain | Esophagus | Intestine Large - Cecum | Intestine Large - Colon |
| Intestine Small - Duodenum | Intestine Small - Ileum | Intestine Small - Jejunum | Islets, Pancreatic |
| Lung | Nose | Ovary | Parathyroid Gland |
| Salivary Glands | Skin | Stomach - Forestomach | Thymus |
| Thyroid Gland | Trachea | Urinary Bladder | |

OBSERVATIONS

| | | | |
|---------------------|-------------------|----------------------------------|--------------------|
| Clitoral Gland | | Adenoma | |
| | | Inflammation | Chronic, Mild |
| Heart | | Cardiomyopathy | Chronic, Mild |
| Intestine Large | Rectum | Parasite Metazoan | |
| Kidney | | Nephropathy | Chronic, Mild |
| | Renal Tubule | Pigmentation | Minimal |
| Liver | | Basophilic Focus | |
| | | Hematopoietic Cell Proliferation | Mild |
| Lymph Node | Mandibular | Hyperplasia | Lymphoid, Mild |
| | Mesenteric | Hyperplasia | Lymphoid, Moderate |
| Mammary Gland | Acinus | Ectasia | Mild |
| | | Fibroadenoma | |
| Note: FIBROADENOMA | TGLs = 1-13 | | |
| Note: ECTASIA | TGLs = 2-7 | | |
| Pancreas | Acinus | Atrophy | Mild |
| Pituitary Gland | Pars Distalis | Cyst | |
| Spleen | | Hematopoietic Cell Proliferation | Mild |
| | | Pigmentation | Mild |
| Stomach | Glandular, Mucosa | Dilatation | Mild |
| Uterus | Endometrium | Polyp Stromal | |
| Note: POLYP STROMAL | TGLs = 3-14 | | |

PRIMARY CAUSE OF DEATH

-

Animal Note: COD-UNKNOWN

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:12

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 109

TRT#: 4

SEX: Female

DAY ON TEST: 644

DOSE: 5.0%

DISP: Moribund

HISTO: A85-0408

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:12

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 110

TRT#: 4

SEX: Female

DAY ON TEST: 432

DOSE: 5.0%

DISP: Dead

HISTO: A83030485

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|----------------------------|-------------------------|---------------------------|-------------------------|
| Adrenal Gland - Cortex | Adrenal Gland - Medulla | Bone | Bone Marrow |
| Brain | Clitoral Gland | Heart | Intestine Large - Colon |
| Intestine Small - Duodenum | Intestine Small - Ileum | Intestine Small - Jejunum | Islets, Pancreatic |
| Lymph Node - Mandibular | Lymph Node - Mesenteric | Mammary Gland | Ovary |
| Pancreas | Parathyroid Gland | Salivary Glands | Skin |
| Stomach - Forestomach | Thyroid Gland | Trachea | Urinary Bladder |
| Uterus | Vagina | | |

INSUFFICIENT TISSUE

| | | |
|-------------------------|--------------------------|--------|
| Intestine Large - Cecum | Intestine Large - Rectum | Thymus |
|-------------------------|--------------------------|--------|

OBSERVATIONS

| | | | |
|----------------------------------|-------------------|-------------------------|------------------|
| Esophagus | | Squamous Cell Carcinoma | |
| Note: COD-SQUAM CEL CARC | | | |
| Note: SQUAM CEL CARC TGLs = 1-21 | | | |
| Kidney | | Nephropathy | Chronic, Minimal |
| Liver | Portal | Inflammation | Chronic, Minimal |
| Lung | | Congestion | Marked |
| | Peribronchiolr | Inflammation | Acute, Marked |
| Nose | Mucosa | Inflammation | Acute, Minimal |
| Pituitary Gland | Pars Distalis | Cyst | |
| Spleen | | Pigmentation | Moderate |
| Stomach | Glandular, Mucosa | Ulcer | Moderate |
| Note: TGL # 2 + 4-NCL | | | |

PRIMARY CAUSE OF DEATH

-

Animal Note: TGL # 3 (HAIR)-NST

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:12

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 111

TRT#: 4

DOSE: 5.0%

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 731

HISTO: A85-0410

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|---------------------------|--------------------------|----------------------------|-------------------------|
| Bone | Bone Marrow | Brain | Esophagus |
| Intestine Large - Cecum | Intestine Large - Rectum | Intestine Small - Duodenum | Intestine Small - Ileum |
| Intestine Small - Jejunum | Islets, Pancreatic | Lymph Node - Mandibular | Ovary |
| Pancreas | Salivary Glands | Skin | Trachea |
| Urinary Bladder | | | |

OBSERVATIONS

| | | | |
|----------------------|---|---|--------------------------|
| Adrenal Gland | Medulla Cortex | Pheochromocytoma Nos Pigmentation | Minimal |
| Note: PHEOCHROM NOS | TGLs = 3-8 | | |
| Clitoral Gland | | Adenoma Inflammation | Chronic, Mild |
| Heart | | Cardiomyopathy | Chronic, Mild |
| Intestine Large | Colon | Parasite Metazoan | |
| Kidney | Renal Tubule | Nephropathy Pigmentation | Chronic, Minimal Mild |
| Liver | | Basophilic Focus Granuloma Hepatocellular Adenoma Leukemia Mononuclear | Mild |
| Note: LEUKEMIA MONUC | TGLs = 4-2,14+14.1 | | |
| Note: HEPATOCLR ADEN | TGLs = 5-14.1 | | |
| Lung | Alveolus | Infiltration Cellular Leukemia Mononuclear | Histiocyte, Mild |
| Lymph Node | Arteriole Mediastinal Mediastinal | Mineralization Congestion Leukemia Mononuclear | Mild Moderate |
| Mammary Gland | Mesenteric Acinus | Leukemia Mononuclear Ectasia Fibroadenoma | Moderate |
| Note: FIBROADENOMA | TGLs = 2-13 | | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:12

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 111

TRT#: 4

SEX: Female

DAY ON TEST: 731

DOSE: 5.0%

DISP: Terminal Sacrifice

HISTO: A85-0410

ORGAN AND ACCOUNTABLE SITE STATUS

| | | | | |
|------------------------|------------|-------------------|----------------------------------|--------------|
| Note: ECTASIA | TGLs = 1-7 | | | |
| Nose | | Olfactory Epi | Degeneration | Mild |
| | | Respirat Epith | Degeneration | Minimal |
| | | Lumen | Hemorrhage | Mild |
| Parathyroid Gland | | | Adenoma | |
| Pituitary Gland | | Pars Distalis | Adenoma | |
| Note: ADENOMA | TGLs = 6-1 | | | |
| Spleen | | | Hematopoietic Cell Proliferation | Mild |
| | | | Leukemia Mononuclear | |
| | | | Pigmentation | Mild |
| Stomach | | Glandular, Mucosa | Dilatation | Mild |
| | | Forestomach | Mineralization | Marked |
| | | Glandular | Mineralization | Marked |
| Thymus | | | Leukemia Mononuclear | |
| Thyroid Gland | | C Cell | Adenoma | |
| | | C Cell | Hyperplasia | Mild |
| Uterus | | Endometrium | Hyperplasia | Cystic, Mild |
| PRIMARY CAUSE OF DEATH | | - | | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:12

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 112

TRT#: 4

SEX: Female

DAY ON TEST: 568

DOSE: 5.0%

DISP: Moribund

HISTO: A85-0411

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|--------------------------|----------------------------|-------------------------|---------------------------|
| Bone | Esophagus | Intestine Large - Cecum | Intestine Large - Colon |
| Intestine Large - Rectum | Intestine Small - Duodenum | Intestine Small - Ileum | Intestine Small - Jejunum |
| Islets, Pancreatic | Pancreas | Parathyroid Gland | Skin |
| Stomach - Forestomach | Stomach - Glandular | Thyroid Gland | |

OBSERVATIONS

| | | | |
|----------------------|----------------|----------------------|---------------|
| Adrenal Gland | Medulla | Hyperplasia | Mild |
| | Cortex | Leukemia Mononuclear | |
| | Medulla | Leukemia Mononuclear | |
| Note: LEUKEMIA MONUC | TGLs = 2-8 | | |
| Bone Marrow | | Leukemia Mononuclear | |
| Brain | | Hemorrhage | Mild |
| | | Leukemia Mononuclear | |
| Clitoral Gland | | Leukemia Mononuclear | |
| Heart | | Leukemia Mononuclear | |
| Kidney | | Leukemia Mononuclear | |
| | | Nephropathy | Chronic, Mild |
| | Renal Tubule | Pigmentation | Minimal |
| Liver | Bile Duct | Hyperplasia | Minimal |
| | | Leukemia Mononuclear | |
| Note: LEUKEMIA MONUC | TGLs = 3-2 | | |
| Lung | | Leukemia Mononuclear | |
| | Arteriole | Mineralization | Mild |
| Note: LEUKEMIA MONUC | TGLs = 4-3+3.1 | | |
| Lymph Node | Mandibular | Leukemia Mononuclear | |
| | Mediastinal | Leukemia Mononuclear | |
| | Mesenteric | Leukemia Mononuclear | |
| Mammary Gland | Duct | Ectasia | Mild |
| Nose | Olfactory Epi | Degeneration | Mild |
| Ovary | | Leukemia Mononuclear | |
| Pituitary Gland | Pars Distalis | Leukemia Mononuclear | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:12

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 112

TRT#: 4

SEX: Female

DAY ON TEST: 568

DOSE: 5.0%

DISP: Moribund

HISTO: A85-0411

ORGAN AND ACCOUNTABLE SITE STATUS

Pars Intermed

Leukemia Mononuclear

Pars Nervosa

Leukemia Mononuclear

Salivary Glands

Leukemia Mononuclear

Spleen

Leukemia Mononuclear

Note: LEUKEMIA MONUC TGLs = 1-2

Note: COD-LEUKEMIA MONUC

Thymus

Leukemia Mononuclear

Trachea

Leukemia Mononuclear

Urinary Bladder

Leukemia Mononuclear

Uterus

Leukemia Mononuclear

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:12

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 113

TRT#: 4

SEX: Female

DAY ON TEST: 619

DOSE: 5.0%

DISP: Moribund

HISTO: A85-0412

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 | Lymph Node - Mesenteric | Ovary | Pancreas |
| Parathyroid Gland | Salivary Glands | Skin | Stomach - Forestomach |
| Stomach - Glandular | Thymus | Trachea | Urinary Bladder |
| Uterus | | | |

OBSERVATIONS

| | | | |
|-------------------|----------------|----------------------------------|------------------|
| Brain | | Compression | |
| Note: COMPRESSION | TGLs = 3-1 | | |
| Heart | | Cardiomyopathy | Chronic, Minimal |
| Kidney | | Nephropathy | Chronic, Mild |
| | Renal Tubule | Pigmentation | Minimal |
| Liver | | Basophilic Focus | |
| | Bile Duct | Hyperplasia | Minimal |
| Lung | Arteriole | Mineralization | Mild |
| Lymph Node | Mediastinal | Congestion | Mild |
| | Mandibular | Cyst | |
| | Mandibular | Hyperplasia | Lymphoid, Mild |
| Mammary Gland | Acinus | Ectasia | Marked |
| Note: ECTASIA | TGLs = 1-7 | | |
| Nose | Nasolacrim Dct | Inflammation | Acute, Mild |
| Pituitary Gland | Pars Distalis | Adenoma | |
| Note: ADENOMA | TGLs = 2-1 | | |
| Note: COD-ADENOMA | | | |
| Spleen | | Hematopoietic Cell Proliferation | Mild |
| | | Pigmentation | Moderate |
| Thyroid Gland | C Cell | Hyperplasia | Minimal |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:12

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 114

TRT#: 4

SEX: Female

DAY ON TEST: 731

DOSE: 5.0%

DISP: Terminal Sacrifice

HISTO: A85-0413

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 |
| Lymph Node - Mesenteric | Ovary | Salivary Glands | Skin |
| Stomach - Forestomach | Thymus | Trachea | Urinary Bladder |

OBSERVATIONS

| | | | |
|------------------------------|-------------------|----------------------------------|------------------|
| Adrenal Gland | Cortex | Pigmentation | Minimal |
| Clitoral Gland | | Cyst | |
| Note: [CYST] TGLs = 2-8 | | | |
| Heart | | Cardiomyopathy | Chronic, Mild |
| Kidney | | Nephropathy | Chronic, Minimal |
| | Renal Tubule | Pigmentation | Mild |
| Liver | | Basophilic Focus | |
| | Bile Duct | Hyperplasia | Minimal |
| | | Mineralization | Mild |
| Lung | Arteriole | Mineralization | Mild |
| Lymph Node | Mandibular | Hyperplasia | Lymphoid, Mild |
| Mammary Gland | Acinus | Ectasia | Marked |
| Note: ECTASIA TGLs = 1-7 | | | |
| Nose | Olfactory Epi | Degeneration | Mild |
| | Respirat Epith | Degeneration | Minimal |
| Pancreas | Acinus | Atrophy | Minimal |
| Parathyroid Gland | | Hyperplasia | Mild |
| Pituitary Gland | Pars Distalis | Adenoma | |
| Note: ADENOMA TGLs = 4-1+1.1 | | | |
| Spleen | | Hematopoietic Cell Proliferation | Mild |
| | | Pigmentation | Moderate |
| Stomach | Glandular, Mucosa | Dilatation | Mild |
| Thyroid Gland | C Cell | Adenoma | |
| | C Cell | Hyperplasia | Mild |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:12

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 114

TRT#: 4

SEX: Female

DAY ON TEST: 731

DOSE: 5.0%

DISP: Terminal Sacrifice

HISTO: A85-0413

ORGAN AND ACCOUNTABLE SITE STATUS

Uterus

Ectasia

Mild

Hemorrhage

Marked

Note: HEMORRHAGE TGLs = 3-13

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:12

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 115

TRT#: 4

SEX: Female

DAY ON TEST: 731

DOSE: 5.0%

DISP: Terminal Sacrifice

HISTO: A85-0414

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla
Intestine Large - Cecum
Intestine Small - Ileum
Pancreas
Stomach - Forestomach
Uterus

Bone Marrow
Intestine Large - Colon
Intestine Small - Jejunum
Parathyroid Gland
Thymus

Brain
Intestine Large - Rectum
Islets, Pancreatic
Salivary Glands
Trachea

Esophagus
Intestine Small - Duodenum
Lymph Node - Mandibular
Skin
Urinary Bladder

OBSERVATIONS

Adrenal Gland
Bone
Clitoral Gland
Heart
Kidney

Liver

Lung
Lymph Node
Mammary Gland

Cortex
Cranium

Renal Tubule

Portal
Arteriole
Mesenteric
Acinus
Duct

Pigmentation
Inflammation
Inflammation
Cardiomyopathy
Nephropathy
Pigmentation
Basophilic Focus
Granuloma
Inflammation
Mineralization
Hyperplasia
Ectasia
Ectasia
Fibroadenoma

Minimal
Chronic, Moderate
Chronic, Minimal
Chronic, Mild
Chronic, Mild
Mild
Mild
Chronic, Mild
Mild
Lymphoid, Mild
Moderate
Marked

Note: FIBROADENOMA TGLs = 1-13

Nose

Olfactory Epi
Respirat Epith
Mucosa
Follicle
Pars Distalis

Degeneration
Degeneration
Inflammation
Cyst
Adenoma

Mild
Mild
Acute, Mild

Ovary

Pituitary Gland

Note: ADENOMA TGLs = 2-1

Spleen

Hematopoietic Cell Proliferation
Pigmentation

Mild
Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:12

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 115

TRT#: 4

SEX: Female

DAY ON TEST: 731

DOSE: 5.0%

DISP: Terminal Sacrifice

HISTO: A85-0414

ORGAN AND ACCOUNTABLE SITE STATUS

Stomach

Glandular, Mucosa

Dilatation

Mild

Thyroid Gland

C Cell

Hyperplasia

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:12

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 116

TRT#: 4

SEX: Female

DAY ON TEST: 731

DOSE: 5.0%

DISP: Terminal Sacrifice

HISTO: A85-0415

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 | Pancreas | Parathyroid Gland | Salivary Glands |
| Skin | Stomach - Forestomach | Thymus | Trachea |
| Urinary Bladder | | | |

OBSERVATIONS

| | | | |
|----------------------------------|----------------|----------------------|--------------------|
| Adrenal Gland | Cortex | Degeneration | Fatty, Mild |
| | Cortex | Pigmentation | Minimal |
| Heart | | Cardiomyopathy | Chronic, Minimal |
| Kidney | | Nephropathy | Chronic, Mild |
| | Renal Tubule | Pigmentation | Mild |
| Liver | | Basophilic Focus | |
| | Bile Duct | Hyperplasia | Mild |
| | | Leukemia Mononuclear | |
| Note: LEUKEMIA MONUC TGLs = 3-2 | | | |
| Lung | | Leukemia Mononuclear | |
| | Arteriole | Mineralization | Mild |
| Lymph Node | Mandibular | Hyperplasia | Lymphoid, Moderate |
| | Mandibular | Leukemia Mononuclear | |
| | Mesenteric | Leukemia Mononuclear | |
| Mammary Gland | Acinus | Ectasia | Mild |
| | | Fibroadenoma | |
| Note: FIBROADENOMA TGLs = 1-13+8 | | | |
| Nose | Olfactory Epi | Degeneration | Mild |
| | Respirat Epith | Degeneration | Minimal |
| | Lumen | Hemorrhage | Minimal |
| Ovary | | Hyperplasia | Adenomatous, Mild |
| Pituitary Gland | Pars Distalis | Adenoma | |
| Note: ADENOMA TGLs = 4-1 | | | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014
Time Report Requested: 08:21:12
First Dose M/F: NA / NA
Lab: SRI

| | | | |
|-----------------------|-------------------------------------|---|---|
| ANIMAL ID: 116 | TRT#: 4 DOSE: 5.0% | SEX: Female DISP: Terminal Sacrifice | DAY ON TEST: 731 HISTO: A85-0415 |
|-----------------------|-------------------------------------|---|---|

ORGAN AND ACCOUNTABLE SITE STATUS

| | | | |
|---------------|-------------------|--------------------------------------|--------------|
| Spleen | | Leukemia Mononuclear Pigmentation | Mild |
| Stomach | Glandular, Mucosa | Dilatation | Mild |
| Thyroid Gland | C Cell | Adenoma | |
| | C Cell | Hyperplasia | Mild |
| Uterus | Endometrium | Hyperplasia | Cystic, Mild |

Note: HYPERPLASIA TGLs = 2-6

PRIMARY CAUSE OF DEATH

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:12

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 117

TRT#: 4

SEX: Female

DAY ON TEST: 698

DOSE: 5.0%

DISP: Moribund

HISTO: A85-0416

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|-------------------------|---------------------------|--------------------------|----------------------------|
| Adrenal Gland - Medulla | Bone | Bone Marrow | Brain |
| Clitoral Gland | Esophagus | Intestine Large - Rectum | Intestine Small - Duodenum |
| Intestine Small - Ileum | Intestine Small - Jejunum | Islets, Pancreatic | Lung |
| Lymph Node - Mandibular | Lymph Node - Mesenteric | Ovary | Salivary Glands |
| Skin | Spinal Cord | Stomach - Forestomach | Thyroid Gland |
| Trachea | Uterus | | |

MISSING

Parathyroid Gland

OBSERVATIONS

| | | | |
|--|----------------|------------------|------------------|
| Adrenal Gland | Cortex | Degeneration | Fatty, Moderate |
| | Cortex | Pigmentation | Minimal |
| Heart | | Cardiomyopathy | Chronic, Mild |
| Intestine Large | Cecum | Mineralization | Mild |
| | Colon | Mineralization | Mild |
| Note: TGL # 3-NCL | | | |
| Kidney | | Nephropathy | Chronic, Minimal |
| | Renal Tubule | Pigmentation | Mild |
| Liver | | Basophilic Focus | |
| | | Fatty Change | Mild |
| | Bile Duct | Hyperplasia | Minimal |
| | Portal | Inflammation | Chronic, Minimal |
| Mammary Gland | Duct | Ectasia | Moderate |
| Note: ECTASIA | TGLs = 1-7 | | |
| Nose | Respirat Epith | Degeneration | Minimal |
| Pancreas | Acinus | Atrophy | Minimal |
| Pituitary Gland | Pars Distalis | Adenoma | |
| Skeletal Muscle | | Lipoma | |
| Note: LIPOMA | TGLs = 4-13 | | |
| Spinal Cord | | | |
| Note: NO CORRESPONDENCE TO CLINICAL SIGNS. | | | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:12

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 117

TRT#: 4

SEX: Female

DAY ON TEST: 698

DOSE: 5.0%

DISP: Moribund

HISTO: A85-0416

ORGAN AND ACCOUNTABLE SITE STATUS

| | | | |
|-------------------|-------------------|--------------|--------|
| Spleen | | Pigmentation | Marked |
| Stomach | Glandular, Mucosa | Dilatation | Mild |
| Thymus | | Cyst | |
| Urinary Bladder | | Hemorrhage | Mild |
| Note: TGL # 5-NCL | | | |
| Note: TGL # 2-NCL | | | |

PRIMARY CAUSE OF DEATH

-

Animal Note: BL. # 13-SKEL. MUSC.-MASS CONTAINS FEATURES OF CHORDOMA.

Animal Note: COD-UNKNOWN

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:12

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 118

TRT#: 4

SEX: Female

DAY ON TEST: 623

DOSE: 5.0%

DISP: Moribund

HISTO: A85-0417

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 |
| Lymph Node - Mesenteric | Ovary | Parathyroid Gland | Salivary Glands |
| Skin | Stomach - Forestomach | Thymus | Tooth |
| Trachea | Urinary Bladder | | |

OBSERVATIONS

| | | | |
|-----------------|----------------|-----------------------|--------------------|
| Adrenal Gland | Cortex | Degeneration | Fatty, Mild |
| Clitoral Gland | | Adenoma | |
| Note: ADENOMA | TGLs = 2-8 | | |
| Eye | | Cataract | Marked |
| | Retina | Degeneration | Marked |
| | | Hemorrhage | Marked |
| Note: DEGEN | TGLs = 1-16 | | |
| Note: CATARACT | TGLs = 1-16 | | |
| Heart | | Cardiomyopathy | Chronic, Mild |
| Kidney | | Nephropathy | Chronic, Minimal |
| | Renal Tubule | Pigmentation | Minimal |
| Liver | | Basophilic Focus | |
| | Bile Duct | Hyperplasia | Minimal |
| | Portal | Inflammation | Chronic, Minimal |
| Lung | Alveolus | Infiltration Cellular | Histiocyte, Mild |
| | Arteriole | Mineralization | Mild |
| Lymph Node | Mandibular | Hyperplasia | Lymphoid, Moderate |
| Mammary Gland | Acinus | Ectasia | Moderate |
| Nose | Olfactory Epi | Degeneration | Mild |
| | Respirat Epith | Degeneration | Mild |
| Pancreas | Acinus | Atrophy | Mild |
| Pituitary Gland | Pars Distalis | Adenoma | |
| | Pars Distalis | Cyst | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:12

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 118

TRT#: 4

SEX: Female

DAY ON TEST: 623

DOSE: 5.0%

DISP: Moribund

HISTO: A85-0417

ORGAN AND ACCOUNTABLE SITE STATUS

| | | | | |
|---------------------------|-------------|-------------------|----------------------------------|--------------|
| Note: ADENOMA | TGLs = 5-1 | | | |
| Spleen | | | Hematopoietic Cell Proliferation | Moderate |
| Stomach | | Glandular, Mucosa | Dilatation | Mild |
| Thyroid Gland | | C Cell | Hyperplasia | Minimal |
| Tooth | | | | |
| Note: TGL # 8-NCL | | | | |
| Uterus | | | Hemorrhage | Marked |
| | | Endometrium | Hyperplasia | Cystic, Mild |
| | | Endometrium | Sarcoma Stromal | |
| Note: COD-SARCOMA STROMAL | | | | |
| Note: SARC STROMAL | TGLs = 4-13 | | | |
| Note: HEMORRHAGE | TGLs = 3-13 | | | |
| Zymbal's Gland | | | Squamous Cell Carcinoma | |
| Note: SQUAM CEL CARC | TGLs = 6-14 | | | |

PRIMARY CAUSE OF DEATH

-

Animal Note: TGL # 7 (CARCASS)-NST

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:12

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 119

TRT#: 4

DOSE: 5.0%

SEX: Female

DISP: Moribund

DAY ON TEST: 716

HISTO: A85-0418

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

| | | | |
|---------------------------------------|----------------|----------------------------------|------------------|
| Clitoral Gland | | Carcinoma | |
| Note: COD-CARCINOMA | | | |
| Note: CARCINOMA TGLs = 1-13 | | | |
| Heart | | Cardiomyopathy | Chronic, Mild |
| Kidney | | Nephropathy | Chronic, Minimal |
| | Renal Tubule | Pigmentation | Mild |
| Liver | | Basophilic Focus | |
| | | Developmental Malformation | |
| | | Fatty Change | Minimal |
| Note: DEVELOP MALFOR TGLs = 4-23+23.1 | | | |
| Lung | | Hemorrhage | Minimal |
| | Alveolus | Infiltration Cellular | Histiocyte, Mild |
| Lymph Node | Mesenteric | Hyperplasia | Lymphoid, Mild |
| Mammary Gland | Acinus | Ectasia | Moderate |
| | | Fibroadenoma | |
| Note: FIBROADENOMA TGLs = 2-14 | | | |
| Note: ECTASIA TGLs = 3-7 | | | |
| Nose | Olfactory Epi | Degeneration | Mild |
| | Respirat Epith | Degeneration | Mild |
| | Lumen | Hemorrhage | Mild |
| Pituitary Gland | Pars Distalis | Adenoma | |
| | Pars Distalis | Cyst | |
| Spleen | | Hematopoietic Cell Proliferation | Mild |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:12

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 119

TRT#: 4

SEX: Female

DAY ON TEST: 716

DOSE: 5.0%

DISP: Moribund

HISTO: A85-0418

ORGAN AND ACCOUNTABLE SITE STATUS

| | | | |
|---------------|-------------------|--------------|------|
| Stomach | Glandular, Mucosa | Pigmentation | Mild |
| Thymus | | Dilatation | Mild |
| Thyroid Gland | C Cell | Cyst | |
| | | Hyperplasia | Mild |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:12

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 120

TRT#: 4

SEX: Female

DAY ON TEST: 694

DOSE: 5.0%

DISP: Moribund

HISTO: A85-0419

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 |
| Lymph Node - Mandibular | Lymph Node - Mesenteric | Ovary | Parathyroid Gland |
| Salivary Glands | Skin | Thymus | Trachea |
| Urinary Bladder | | | |

OBSERVATIONS

| | | | |
|-------------------------------------|---------------|----------------|------------------|
| Adrenal Gland | Cortex | Degeneration | Fatty, Mild |
| | Cortex | Pigmentation | Minimal |
| Brain | | | |
| Note: TGL # 8-NCL | | | |
| Clitoral Gland | | Inflammation | Chronic, Minimal |
| Eye | | Cataract | Marked |
| | Retina | Degeneration | Marked |
| | | Hemorrhage | Mild |
| Note: DEGEN TGLs = 1-13 | | | |
| Note: CATARACT TGLs = 1-13 | | | |
| Heart | | Cardiomyopathy | Chronic, Mild |
| Kidney | | Nephropathy | Chronic, Mild |
| | Renal Tubule | Pigmentation | Mild |
| Liver | | Fatty Change | Moderate |
| Lung | Arteriole | Mineralization | Mild |
| Mammary Gland | Acinus | Ectasia | Moderate |
| | Duct | Ectasia | Moderate |
| | | Fibroadenoma | |
| Note: FIBROADENOMA TGLs = 3,4-14,15 | | | |
| Note: ECTASIA TGLs = 2-7+7.1 | | | |
| Mesentery | Fat | Necrosis | Moderate |
| Note: NECROSIS TGLs = 5-16 | | | |
| Nose | Olfactory Epi | Degeneration | Mild |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:12

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 120

TRT#: 4

SEX: Female

DAY ON TEST: 694

DOSE: 5.0%

DISP: Moribund

HISTO: A85-0419

ORGAN AND ACCOUNTABLE SITE STATUS

| | | | |
|-------------------------------|----------------|----------------------------------|--------------------------|
| Pancreas | Respirat Epith | Degeneration | Mild |
| | Acinus | Atrophy | Mild |
| Pituitary Gland | Pars Distalis | Adenoma | |
| Note: ADENOMA TGLs = 7-1 | | | |
| Note: COD-ADENOMA | | | |
| Spleen | | Hematopoietic Cell Proliferation | Mild |
| | | Pigmentation | Mild |
| Stomach | Forestomach | Inflammation | Chronic, Moderate |
| | Glandular | Inflammation | Chronic Active, Moderate |
| Note: INFLAMMATION TGLs = 6-4 | | | |
| Thyroid Gland | C Cell | Hyperplasia | Mild |
| Uterus | Endometrium | Polyp Stromal | |
| PRIMARY CAUSE OF DEATH | - | | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:12

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 121

TRT#: 6

SEX: Female

DAY ON TEST: 731

DOSE: 2.5%

DISP: Terminal Sacrifice

HISTO: A85-0420

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 Small - Duodenum | Intestine Small - Ileum | Intestine Small - Jejunum | Islets, Pancreatic |
| Lung | Lymph Node - Mandibular | Lymph Node - Mesenteric | Ovary |
| Pancreas | Parathyroid Gland | Salivary Glands | Skin |
| Stomach - Forestomach | Trachea | Urinary Bladder | |

MISSING

Thymus

OBSERVATIONS

| | | | |
|---|-------------------|----------------------------------|-------------------|
| Brain | | Compression | Mild |
| Heart | | Cardiomyopathy | Chronic, Moderate |
| Intestine Large | Rectum | Parasite Metazoan | |
| Kidney | | Nephropathy | Chronic, Marked |
| | Renal Tubule | Pigmentation | Mild |
| Liver | | Basophilic Focus | |
| | Bile Duct | Hyperplasia | Minimal |
| Lymph Node | | | |
| Note: MEDIASTINAL L. N. - WITHIN NORMAL LIMITS. | | | |
| Mammary Gland | Acinus | Ectasia | Moderate |
| | Duct | Ectasia | Moderate |
| | | Fibroadenoma | |
| Note: FIBROADENOMA TGLs = 1-13 | | | |
| Nose | Olfactory Epi | Degeneration | Mild |
| | Respirat Epith | Degeneration | Minimal |
| Pituitary Gland | Pars Distalis | Cyst | |
| Note: CYST TGLs = 3-1 | | | |
| Spleen | | Hematopoietic Cell Proliferation | Mild |
| | | Pigmentation | Mild |
| Stomach | Glandular, Mucosa | Dilatation | Mild |
| Thyroid Gland | C Cell | Adenoma | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:12

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 121

TRT#: 6

SEX: Female

DAY ON TEST: 731

DOSE: 2.5%

DISP: Terminal Sacrifice

HISTO: A85-0420

ORGAN AND ACCOUNTABLE SITE STATUS

C Cell

Hyperplasia

Mild

Tissue NOS

Note: TISSUE, NOS = MAMMARY GLAND.

Uterus

Endometrium

Polyp Stromal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:12

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 122

TRT#: 6

SEX: Female

DAY ON TEST: 638

DOSE: 2.5%

DISP: Moribund

HISTO: A85-0421

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 |
| Ovary | Parathyroid Gland | Salivary Glands | Skin |
| Stomach - Forestomach | Thymus | Trachea | Urinary Bladder |

OBSERVATIONS

| | | | |
|----------------------------------|----------------|----------------------------------|-------------------|
| Adrenal Gland | Cortex | Degeneration | Fatty, Mild |
| | Cortex | Hyperplasia | Mild |
| | Cortex | Pigmentation | Minimal |
| Clitoral Gland | | Inflammation | Chronic, Moderate |
| Heart | | Cardiomyopathy | Chronic, Mild |
| Kidney | | Nephropathy | Chronic, Mild |
| | Renal Tubule | Pigmentation | Mild |
| Liver | | Basophilic Focus | |
| | | Developmental Malformation | |
| Note: DEVELOP MALFOR TGLs = 2-14 | | | |
| Lung | Arteriole | Mineralization | Minimal |
| Lymph Node | Mediastinal | Congestion | Mild |
| | Mandibular | Hyperplasia | Lymphoid, Mild |
| | Mesenteric | Hyperplasia | Lymphoid, Mild |
| Mammary Gland | | Fibroadenoma | |
| Note: FIBROADENOMA TGLs = 1-13 | | | |
| Nose | Olfactory Epi | Degeneration | Mild |
| | Nasolacrim Dct | Inflammation | Acute, Mild |
| Pancreas | Acinus | Atrophy | Mild |
| Pituitary Gland | Pars Distalis | Adenoma | |
| Note: ADENOMA TGLs = 3-1 | | | |
| Note: COD - ADENOMA | | | |
| Spleen | | Hematopoietic Cell Proliferation | Mild |
| | | Pigmentation | Mild |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:12

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 122

TRT#: 6

SEX: Female

DAY ON TEST: 638

DOSE: 2.5%

DISP: Moribund

HISTO: A85-0421

ORGAN AND ACCOUNTABLE SITE STATUS

| | | | |
|------------------------------------|-------------------|----------------------|--------------|
| Stomach | Glandular, Mucosa | Dilatation | Mild |
| Thyroid Gland | C Cell | Hyperplasia | Mild |
| | | Ultimobranchial Cyst | |
| Tissue NOS | | | |
| Note: TISSUE, NOS = MAMMARY GLAND. | | | |
| Uterus | Endometrium | Hyperplasia | Cystic, Mild |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:12

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 123

TRT#: 6

SEX: Female

DAY ON TEST: 731

DOSE: 2.5%

DISP: Terminal Sacrifice

HISTO: A85-0422

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|---------------------------|--------------------------|----------------------------|-------------------------|
| Bone | Bone Marrow | Brain | Esophagus |
| Intestine Large - Colon | Intestine Large - Rectum | Intestine Small - Duodenum | Intestine Small - Ileum |
| Intestine Small - Jejunum | Lung | Lymph Node - Mesenteric | Ovary |
| Parathyroid Gland | Salivary Glands | Skin | Stomach - Forestomach |
| Thyroid Gland | Trachea | Urinary Bladder | |

MISSING

| | | |
|--------------------|----------|--------|
| Islets, Pancreatic | Pancreas | Thymus |
|--------------------|----------|--------|

OBSERVATIONS

| | | | |
|-----------------|--------------------------|----------------------------------|----------------|
| Adrenal Gland | Cortex | Degeneration | Fatty, Mild |
| | Cortex | Hyperplasia | Mild |
| | Medulla | Pheochromocytoma Nos | |
| | Cortex | Pigmentation | Minimal |
| Clitoral Gland | | Adenoma | |
| Eye | Retina | Degeneration | Marked |
| | | Note: DEGEN TGLs = 1-13 | |
| Heart | | Cardiomyopathy | Chronic, Mild |
| Intestine Large | Cecum | Parasite Metazoan | |
| | | | |
| Kidney | Renal Tubule | Nephropathy | Chronic, Mild |
| | | Pigmentation | Mild |
| | | Basophilic Focus | |
| Liver | Bile Duct | Hyperplasia | Minimal |
| | | | |
| Lymph Node | Mandibular | Hyperplasia | Lymphoid, Mild |
| | Mediastinal | Hyperplasia | Lymphoid, Mild |
| | Acinus | Ectasia | Moderate |
| Mammary Gland | | | |
| | Note: ECTASIA TGLs = 2-7 | | |
| Nose | Olfactory Epi | Degeneration | Mild |
| | Respirat Epith | Degeneration | Mild |
| Pituitary Gland | Pars Distalis | Adenoma | |
| Spleen | | Hematopoietic Cell Proliferation | Mild |
| | | Pigmentation | Moderate |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:12

First Dose M/F: NA / NA

Lab: SRI

| | | | |
|--|-------------------------------------|---|---|
| ANIMAL ID: 123 | TRT#: 6 DOSE: 2.5% | SEX: Female DISP: Terminal Sacrifice | DAY ON TEST: 731 HISTO: A85-0422 |
| ORGAN AND ACCOUNTABLE SITE STATUS | | | |
| Stomach | Glandular, Mucosa | Dilatation | Mild |
| Uterus | Endometrium | Polyp Stromal | |
| PRIMARY CAUSE OF DEATH | - | | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:12

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 124

TRT#: 6

SEX: Female

DAY ON TEST: 700

DOSE: 2.5%

DISP: Moribund

HISTO: A85-0423

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Parathyroid Gland

OBSERVATIONS

| | | | |
|-----------------------|------------------|----------------------------------|------------------|
| Adrenal Gland | Cortex | Hyperplasia | Mild |
| Clitoral Gland | | Carcinoma | |
| Note: CARCINOMA | TGLs = 3-15 | | |
| Note: COD - CARCINOMA | | | |
| Intestine Large | Colon | Parasite Metazoan | |
| Kidney | Renal Tubule | Pigmentation | Mild |
| Liver | | Basophilic Focus | |
| | | Hematopoietic Cell Proliferation | Minimal |
| | Portal | Inflammation | Chronic, Minimal |
| Mammary Gland | Acinus | Ectasia | Moderate |
| | | Fibroadenoma | |
| Note: ECTASIA | TGLs = 4-7+7.1 | | |
| Note: FIBROADENOMA | TGLs = 1,2-13+14 | | |
| Nose | Olfactory Epi | Degeneration | Mild |
| | Respirat Epith | Degeneration | Mild |
| Pituitary Gland | Pars Distalis | Cyst | |
| Note: CYST | TGLs = 6-1 | | |
| Spleen | | Hematopoietic Cell Proliferation | Moderate |
| Note: HEMA CELL PROL | TGLs = 5-2 | | |
| Tissue NOS | | | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:12

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 124

TRT#: 6

SEX: Female

DAY ON TEST: 700

DOSE: 2.5%

DISP: Moribund

HISTO: A85-0423

ORGAN AND ACCOUNTABLE SITE STATUS

Note: TISSUE, NOS = MAMMARY GLAND & CLITORAL GLAND.

PRIMARY CAUSE OF DEATH

-

Animal Note: TGL # 7 (CARCASS) - NST

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:12

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 125

TRT#: 6

SEX: Female

DAY ON TEST: 630

DOSE: 2.5%

DISP: Moribund

HISTO: A85-0424

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|----------------------------|-------------------------|---------------------------|--------------------------|
| Adrenal Gland - Medulla | Blood | Bone | Brain |
| Esophagus | Intestine Large - Cecum | Intestine Large - Colon | Intestine Large - Rectum |
| Intestine Small - Duodenum | Intestine Small - Ileum | Intestine Small - Jejunum | Islets, Pancreatic |
| Pancreas | Parathyroid Gland | Salivary Glands | Skin |
| Stomach - Forestomach | Thymus | Trachea | Urinary Bladder |
| Uterus | | | |

MISSING

Mammary Gland

OBSERVATIONS

| | | | |
|---|---------------|---------------------|----------------|
| Adrenal Gland | Cortex | Hyperplasia | Mild |
| | Cortex | Pigmentation | Mild |
| Blood | | | |
| Note: TGL # 1 - NCL. | | | |
| Bone Marrow | | Histiocytic Sarcoma | |
| Clitoral Gland | | Carcinoma | |
| Heart | | Cardiomyopathy | Chronic, Mild |
| Kidney | | Nephropathy | Chronic, Mild |
| | Renal Tubule | Pigmentation | Mild |
| Note: NEPHROPATHY TGLs = 3-5 | | | |
| Liver | | Fatty Change | Mild |
| | | Histiocytic Sarcoma | |
| | Bile Duct | Hyperplasia | Minimal |
| Note: [HISTIO SARC] TGLs = 6,7-2+13 | | | |
| Lung | Arteriole | Mineralization | Mild |
| Lymph Node | Mesenteric | Histiocytic Sarcoma | |
| | Mandibular | Hyperplasia | Lymphoid, Mild |
| Note: MEDIASTINAL L. N. - WITHIN NORMAL LIMITS. | | | |
| Mammary Gland | | | |
| Note: TGL # 2 - NST | | | |
| Nose | Olfactory Epi | Degeneration | Mild |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014
Time Report Requested: 08:21:12
First Dose M/F: NA / NA
Lab: SRI

| | | | |
|-----------------------|-------------------------------------|---|---|
| ANIMAL ID: 125 | TRT#: 6 DOSE: 2.5% | SEX: Female DISP: Moribund | DAY ON TEST: 630 HISTO: A85-0424 |
|-----------------------|-------------------------------------|---|---|

| ORGAN AND ACCOUNTABLE SITE STATUS | | | |
|--|-------------------|----------------------------------|----------|
| Ovary | Respirat Epith | Degeneration | Minimal |
| Pituitary Gland | Pars Distalis | Histiocytic Sarcoma | |
| Spleen | | Histiocytic Sarcoma | |
| | | Hematopoietic Cell Proliferation | Moderate |
| | | Histiocytic Sarcoma | |
| Note: HEMA CELL PROL TGLs = 4,5-2+14 | | | |
| Note: [HISTIO SARC] TGLs = 5-2+13 | | | |
| Stomach | Glandular, Mucosa | Dilatation | Mild |
| | Glandular | Mineralization | Mild |
| Thyroid Gland | C Cell | Hyperplasia | Minimal |

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

Animal Note: TGL # 8 (CARCASS) -NST

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:12

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 126

TRT#: 6

SEX: Female

DAY ON TEST: 700

DOSE: 2.5%

DISP: Moribund

HISTO: A85-0425

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 | Ovary |
| Pancreas | Parathyroid Gland | Salivary Glands | Stomach - Forestomach |
| Trachea | Urinary Bladder | Uterus | |

MISSING

Thymus

OBSERVATIONS

| | | | |
|---|----------------|----------------------------------|---------------------|
| Adrenal Gland | Medulla | Pheochromocytoma Nos | |
| | Cortex | Pigmentation | Minimal |
| Note: PHEOCHROM NOS | TGLs = 4-8.1+8 | | |
| Clitoral Gland | | Carcinoma | |
| Note: COD - CARCINOMA | | | |
| Note: CARCINOMA | TGLs = 1-13+8 | | |
| Heart | | Cardiomyopathy | Chronic, Moderate |
| Kidney | | Nephropathy | Chronic, Mild |
| | Renal Tubule | Pigmentation | Mild |
| Liver | | Basophilic Focus | |
| | | Hematopoietic Cell Proliferation | Mild |
| | Bile Duct | Hyperplasia | Mild |
| | Portal | Inflammation | Chronic, Mild |
| Lung | Alveolus | Infiltration Cellular | Histiocyte, Minimal |
| | Arteriole | Mineralization | Mild |
| Lymph Node | Mandibular | Hyperplasia | Lymphoid, Mild |
| | Mesenteric | Hyperplasia | Lymphoid, Mild |
| Note: MEDIASTINAL L. N. - WITHIN NORMAL LIMITS. | | | |
| Mammary Gland | Acinus | Ectasia | Mild |
| Note: ECTASIA | TGLs = 3-7 | | |
| Nose | Olfactory Epi | Degeneration | Mild |
| | Respirat Epith | Degeneration | Minimal |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:12

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 126

TRT#: 6

SEX: Female

DAY ON TEST: 700

DOSE: 2.5%

DISP: Moribund

HISTO: A85-0425

ORGAN AND ACCOUNTABLE SITE STATUS

Pituitary Gland

Pars Distalis

Cyst

Skin

Subcut Tiss

Fibroma

Note: FIBROMA TGLs = 2-14

Spleen

Hematopoietic Cell Proliferation

Moderate

Stomach

Glandular, Mucosa

Dilatation

Mild

Thyroid Gland

C Cell

Hyperplasia

Minimal

Tissue NOS

Note: TISSUE, NOS = SKIN

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:12

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 127

TRT#: 6

SEX: Female

DAY ON TEST: 724

DOSE: 2.5%

DISP: Moribund

HISTO: A85-0426

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|---------------------------|--------------------------|----------------------------|-------------------------|
| Bone | Bone Marrow | Esophagus | Intestine Large - Cecum |
| Intestine Large - Colon | Intestine Large - Rectum | Intestine Small - Duodenum | Intestine Small - Ileum |
| Intestine Small - Jejunum | Islets, Pancreatic | Lung | Lymph Node - Mandibular |
| Lymph Node - Mesenteric | Ovary | Parathyroid Gland | Salivary Glands |
| Spleen | Stomach - Forestomach | Thymus | Trachea |
| Urinary Bladder | Uterus | | |

OBSERVATIONS

| | | | |
|---|--------------|----------------------------------|----------------------|
| Adrenal Gland | Medulla | Hyperplasia | Mild |
| | Cortex | Pigmentation | Minimal |
| Brain | | Compression | Moderate |
| Clitoral Gland | | Inflammation | Chronic, Mild |
| | | Inflammation | Chronic Active, Mild |
| Note: TGL # 7 - "CLITORAL GLAND" IS MAMMARY TISSUE. | | | |
| Heart | | Cardiomyopathy | Chronic, Mild |
| Kidney | | Nephropathy | Chronic, Moderate |
| | Renal Tubule | Pigmentation | Mild |
| Note: NEPHROPATHY TGLs = 3-5 | | | |
| Liver | | Basophilic Focus | |
| | | Granuloma | Mild |
| | | Hematopoietic Cell Proliferation | Mild |
| | Portal | Inflammation | Chronic, Mild |
| Lymph Node | Mediastinal | Congestion | Mild |
| Mammary Gland | | Adenocarcinoma | |
| | Acinus | Ectasia | Mild |
| | | Fibroadenoma | |
| | Acinus | Hyperplasia | Moderate |
| Note: ADENOCARC TGLs = 1,7-13+8 | | | |
| Note: FIBROADENOMA TGLs = 1,2-13+14 | | | |
| Nose | Lumen | Hemorrhage | Mild |
| Pancreas | Acinus | Atrophy | Mild |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:12

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 127

TRT#: 6

SEX: Female

DAY ON TEST: 724

DOSE: 2.5%

DISP: Moribund

HISTO: A85-0426

ORGAN AND ACCOUNTABLE SITE STATUS

| | | | |
|---|---------------------|---|---------|
| Pituitary Gland Note: COD - ADENOMA Note: ADENOMA TGLs = 6-1 | Pars Distalis | Adenoma | |
| Skin Note: PAPILLOMA SQUA TGLs = 5-16 Note: FIBROSARC TGLs = 4-15 | Subcut Tiss Head | Fibrosarcoma Squamous Cell Papilloma | |
| Stomach | Glandular, Mucosa | Dilatation | Mild |
| Thyroid Gland | C Cell | Hyperplasia | Minimal |
| Tissue NOS Note: TGL # 1 & 2 (TISSUE, NOS) = MAMMARY GLAND. | | | |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:12

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 128

TRT#: 6

SEX: Female

DAY ON TEST: 731

DOSE: 2.5%

DISP: Terminal Sacrifice

HISTO: A85-0427

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 |
| Ovary | Pancreas | Parathyroid Gland | Salivary Glands |
| Skin | Stomach - Forestomach | Thymus | Trachea |
| Urinary Bladder | | | |

OBSERVATIONS

| | | | |
|--------------------|---------------|----------------------------------|----------------------|
| Clitoral Gland | | Carcinoma | |
| | | Inflammation | Chronic, Minimal |
| Note: CARCINOMA | TGLs = 1-8 | | |
| Heart | | Cardiomyopathy | Chronic, Moderate |
| Islets, Pancreatic | | Adenoma | |
| Kidney | | Nephropathy | Chronic, Mild |
| | Renal Tubule | Pigmentation | Mild |
| Liver | | Basophilic Focus | |
| | | Granuloma | Mild |
| | Portal | Inflammation | Chronic, Minimal |
| Lung | Arteriole | Mineralization | Mild |
| Lymph Node | Mediastinal | Congestion | Moderate |
| | Mandibular | Hyperplasia | Lymphoid, Mild |
| | Mesenteric | Hyperplasia | Reticulum Cell, Mild |
| Mammary Gland | Acinus | Ectasia | Moderate |
| | | Fibroadenoma | |
| Note: FIBROADENOMA | TGLs = 3-13 | | |
| Note: ECTASIA | TGLs = 2-7 | | |
| Nose | Olfactory Epi | Degeneration | Mild |
| Pituitary Gland | Pars Distalis | Cyst | |
| | Pars Distalis | Hyperplasia | Mild |
| Spleen | | Hematopoietic Cell Proliferation | Mild |
| | | Pigmentation | Mild |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:12

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 128

TRT#: 6

SEX: Female

DAY ON TEST: 731

DOSE: 2.5%

DISP: Terminal Sacrifice

HISTO: A85-0427

ORGAN AND ACCOUNTABLE SITE STATUS

| | | | |
|---|-------------------|---------------|---------|
| Stomach | Glandular, Mucosa | Dilatation | Mild |
| Thyroid Gland | C Cell | Hyperplasia | Minimal |
| Tissue NOS | | | |
| Note: TGL # 3 - "TISSUE, NOS" IS MAMMARY GLAND. | | | |
| Uterus | Endometrium | Polyp Stromal | |
| Note: POLYP STROMAL TGLs = 4-14 | | | |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:12

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 129

TRT#: 6

SEX: Female

DAY ON TEST: 734

DOSE: 2.5%

DISP: Terminal Sacrifice

HISTO: A85-0428

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 | Lymph Node - Mandibular | Lymph Node - Mesenteric | Ovary |
| Parathyroid Gland | Salivary Glands | Skin | Stomach - Forestomach |
| Stomach - Glandular | Thymus | Thyroid Gland | Trachea |
| Urinary Bladder | Uterus | | |

OBSERVATIONS

| | | | |
|-------------------|---------------|-------------------|-------------------|
| Eye | | Cataract | Moderate |
| | Retina | Degeneration | Marked |
| | | Hemorrhage | Moderate |
| Note: DEGEN | TGLs = 1-13 | | |
| Note: CATARACT | TGLs = 1-13 | | |
| Heart | | Cardiomyopathy | Chronic, Moderate |
| Intestine Large | Cecum | Parasite Metazoan | |
| Kidney | | Nephropathy | Chronic, Mild |
| | Renal Tubule | Pigmentation | Mild |
| Liver | | Basophilic Focus | |
| | | Granuloma | Mild |
| | Bile Duct | Hyperplasia | Minimal |
| | Portal | Inflammation | Chronic, Minimal |
| Lung | | Hemorrhage | Mild |
| | Arteriole | Mineralization | Minimal |
| Note: HEMORRHAGE | TGLs = 3-3 | | |
| Mammary Gland | Acinus | Ectasia | Mild |
| | Acinus | Hyperplasia | Mild |
| Note: HYPERPLASIA | TGLs = 2-7 | | |
| Note: ECTASIA | TGLs = 2-7 | | |
| Nose | Olfactory Epi | Degeneration | Mild |
| | Lumen | Hemorrhage | Mild |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014
Time Report Requested: 08:21:12
First Dose M/F: NA / NA
Lab: SRI

| | | | |
|-----------------------|-------------------------------------|---|---|
| ANIMAL ID: 129 | TRT#: 6 DOSE: 2.5% | SEX: Female DISP: Terminal Sacrifice | DAY ON TEST: 734 HISTO: A85-0428 |
|-----------------------|-------------------------------------|---|---|

| ORGAN AND ACCOUNTABLE SITE STATUS | | | |
|--|----------------|----------------------------------|----------|
| Pancreas | Acinus | Atrophy | Moderate |
| Pituitary Gland | Pars Distalis | Adenoma | |
| Note: ADENOMA | TGLs = 4-1+1.1 | | |
| Spleen | | Hematopoietic Cell Proliferation | Mild |
| | | Pigmentation | Mild |

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

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:12

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 130

TRT#: 6

DOSE: 2.5%

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 734

HISTO: A85-0429

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Parathyroid Gland

OBSERVATIONS

| | | | |
|--------------------|-----------------|------------------|-------------------|
| Adrenal Gland | Cortex | Degeneration | Fatty, Minimal |
| Eye | Retina | Cataract | Marked |
| | | Degeneration | Marked |
| | | Hemorrhage | Moderate |
| Note: CATARACT | TGLs = 1-14 | | |
| Note: DEGEN | TGLs = 1-14 | | |
| Heart | | Cardiomyopathy | Chronic, Moderate |
| Kidney | | Nephropathy | Chronic, Mild |
| | Renal Tubule | Pigmentation | Mild |
| Liver | | Basophilic Focus | |
| Lung | Interstitialium | Inflammation | Chronic, Minimal |
| | Arteriole | Mineralization | Mild |
| Lymph Node | Mandibular | Hyperplasia | Lymphoid, Mild |
| Mammary Gland | Acinus | Ectasia | Mild |
| | | Fibroadenoma | |
| Note: FIBROADENOMA | TGLs = 2-13+7 | | |
| Nose | Olfactory Epi | Degeneration | Mild |
| | Respirat Epith | Degeneration | Mild |
| Pancreas | Acinus | Atrophy | Mild |
| Pituitary Gland | Pars Distalis | Angiectasis | Marked |
| | Pars Distalis | Hyperplasia | Mild |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:12

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 130

TRT#: 6

SEX: Female

DAY ON TEST: 734

DOSE: 2.5%

DISP: Terminal Sacrifice

HISTO: A85-0429

ORGAN AND ACCOUNTABLE SITE STATUS

Note: ANGIECTASIS TGLs = 3-1+1.1

Spleen

Hematopoietic Cell Proliferation

Mild

Pigmentation

Mild

Stomach

Glandular, Mucosa

Dilatation

Mild

Thyroid Gland

C Cell

Hyperplasia

Minimal

Tissue NOS

Note: TGL # 2 - "TISSUE, NOS" IS MAMMARY GLAND.

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:12

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 136

TRT#: 6

SEX: Female

DAY ON TEST: 467

DOSE: 2.5%

DISP: Dead

HISTO: A84031018

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Brain
Intestine Large - Colon
Lymph Node - Mesenteric
Salivary Glands
Thymus

Adrenal Gland - Medulla
Clitoral Gland
Intestine Large - Rectum
Ovary
Skin
Thyroid Gland

Bone
Esophagus
Liver
Parathyroid Gland
Stomach - Forestomach
Trachea

Bone Marrow
Intestine Large - Cecum
Lymph Node - Mandibular
Pituitary Gland
Stomach - Glandular
Vagina

AUTO PRECLUDES DIAG.

Intestine Small - Duodenum
Pancreas

Intestine Small - Ileum

Intestine Small - Jejunum

Islets, Pancreatic

OBSERVATIONS

Heart
Kidney

Renal Tubule

Cardiomyopathy
Inflammation
Pigmentation

Chronic, Mild
Acute, Marked
Minimal

Note: CAUSE OF DEATH- INFLAMMATION, ACUTE.

Lung
Mammary Gland
Nose
Spleen
Urinary Bladder

Acinus
Mucosa

Congestion
Ectasia
Inflammation
Pigmentation
Calculus Gross Observation
Inflammation

Moderate
Mild
Acute, Mild
Mild
Chronic, Marked

Note: INFLAMMATION TGLs = 2-6.2

Note: TGL 3-NST.

Uterus
Vagina

Endometrium

Polyp Stromal

Note: TGL 4-NCL.

PRIMARY CAUSE OF DEATH

-

Animal Note: TGL 1-NST.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:12

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 137

TRT#: 6

SEX: Female

DAY ON TEST: 717

DOSE: 2.5%

DISP: Moribund

HISTO: A85-0436

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 | Lymph Node - Mesenteric | Ovary | Salivary Glands |
| Skin | Stomach - Forestomach | Thymus | Trachea |
| Urinary Bladder | | | |

MISSING

Parathyroid Gland

OBSERVATIONS

| | | | |
|-------------------------------|-------------------|----------------------------------|--------------------------|
| Adrenal Gland | Cortex | Degeneration | Fatty, Mild |
| Clitoral Gland | | Inflammation | Chronic, Minimal |
| Kidney | | Nephropathy | Chronic, Moderate |
| | Renal Tubule | Pigmentation | Mild |
| Liver | | Basophilic Focus | |
| Lung | Peribronchiolr | Inflammation | Chronic Active, Moderate |
| Note: INFLAMMATION TGLs = 2-3 | | | |
| Lymph Node | Mandibular | Hyperplasia | Lymphoid, Moderate |
| Mammary Gland | Acinus | Ectasia | Mild |
| Note: ECTASIA TGLs = 1-7 | | | |
| Nose | Mucosa | Inflammation | Acute, Moderate |
| Pancreas | Acinus | Atrophy | Mild |
| Pituitary Gland | Pars Distalis | Adenoma | |
| Note: COD - ADENOMA | | | |
| Note: ADENOMA TGLs = 3-1 | | | |
| Spleen | | Hematopoietic Cell Proliferation | Moderate |
| | | Pigmentation | Mild |
| Stomach | Glandular, Mucosa | Dilatation | Mild |
| Thyroid Gland | C Cell | Adenoma | |
| | C Cell | Hyperplasia | Mild |
| Uterus | Endometrium | Hyperplasia | Cystic, Mild |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:12

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 137

TRT#: 6

SEX: Female

DAY ON TEST: 717

DOSE: 2.5%

DISP: Moribund

HISTO: A85-0436

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:12

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 138

TRT#: 6

SEX: Female

DAY ON TEST: 734

DOSE: 2.5%

DISP: Terminal Sacrifice

HISTO: A85-0437

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|----------------------------|-------------------------|---------------------------|--------------------------|
| 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 |
| Ovary | Pancreas | Parathyroid Gland | Salivary Glands |
| Skin | Stomach - Forestomach | Thymus | Trachea |
| Urinary Bladder | Uterus | | |

OBSERVATIONS

| | | | |
|-----------------|--------------|-------------------|--------------------|
| Adrenal Gland | Cortex | Degeneration | Fatty, Mild |
| | Cortex | Pigmentation | Mild |
| Eye | Retina | Cataract | Marked |
| | | Degeneration | Marked |
| Note: CATARACT | TGLs = 1-17 | | |
| Note: DEGEN | TGLs = 1-17 | | |
| Heart | | Cardiomyopathy | Chronic, Mild |
| Intestine Large | Cecum | Parasite Metazoan | |
| | Cecum | Ulcer | Mild |
| Kidney | | Nephropathy | Chronic, Mild |
| | Renal Tubule | Pigmentation | Mild |
| Liver | | Basophilic Focus | |
| | | Granuloma | Mild |
| | Bile Duct | Hyperplasia | Minimal |
| | Portal | Inflammation | Chronic, Minimal |
| Lung | | Hemorrhage | Minimal |
| | Arteriole | Mineralization | Minimal |
| Lymph Node | Mediastinal | Congestion | Mild |
| | Mandibular | Hyperplasia | Lymphoid, Mild |
| | Mesenteric | Hyperplasia | Lymphoid, Moderate |
| Mammary Gland | Acinus | Ectasia | Mild |
| | Duct | Ectasia | Mild |
| | | Fibroadenoma | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:12

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 138

TRT#: 6

SEX: Female

DAY ON TEST: 734

DOSE: 2.5%

DISP: Terminal Sacrifice

HISTO: A85-0437

ORGAN AND ACCOUNTABLE SITE STATUS

Note: ECTASIA TGLs = 6-7

Note: ECTASIA TGLs = 6-7

Note: FIBROADENOMA TGLs = 2,3,4,5-13,14,15,16

Nose
Olfactory Epi
Lumen
Mucosa
Pituitary Gland
Pars Distalis
Pars Distalis
Pars Intermed

Degeneration
Hemorrhage
Inflammation
Adenoma
Cyst
Cyst

Mild
Mild
Acute, Mild

Note: CYST TGLs = 7-1

Note: ADENOMA TGLs = 7-1

Note: CYST TGLs = 7-1

Spleen
Stomach
Thyroid Gland
Glandular, Mucosa
C Cell
C Cell

Hematopoietic Cell Proliferation
Pigmentation
Dilatation
Adenoma
Hyperplasia

Mild
Mild
Mild
Mild

Tissue NOS

Note: TGL # 2, 3, 4, 5 - "TISSUE, NOS" IS MAMMARY GLAND.

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:12

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 139

TRT#: 6

SEX: Female

DAY ON TEST: 687

DOSE: 2.5%

DISP: Moribund

HISTO: A85-0438

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla
Esophagus
Intestine Small - Ileum
Salivary Glands
Urinary Bladder

Bone
Intestine Large - Cecum
Intestine Small - Jejunum
Stomach - Forestomach
Uterus

Brain
Intestine Large - Colon
Islets, Pancreatic
Stomach - Glandular

Clitoral Gland
Intestine Small - Duodenum
Parathyroid Gland
Trachea

OBSERVATIONS

Adrenal Gland

Cortex
Cortex
Cortex

Degeneration
Leukemia Mononuclear
Pigmentation
Leukemia Mononuclear

Fatty, Mild

Mild

Bone Marrow
Eye

Note: TGL # 1 - "EYE" = SKIN (EYELID).

Heart
Intestine Large
Kidney

Rectum

Cardiomyopathy
Parasite Metazoan
Leukemia Mononuclear
Nephropathy
Pigmentation
Hyperplasia
Leukemia Mononuclear

Chronic, Mild

Chronic, Mild
Mild
Marked

Liver

Renal Tubule
Bile Duct

Leukemia Mononuclear
Mineralization

Mild

Note: LEUKEMIA MONUC TGLs = 7,8-2
Lung

Note: LEUKEMIA MONUC TGLs = 9-3
Lymph Node

Mandibular
Mediastinal
Mesenteric
Pancreatic

Leukemia Mononuclear
Leukemia Mononuclear
Leukemia Mononuclear
Leukemia Mononuclear

Note: LEUKEMIA MONUC TGLs = 10-16
Note: COD - LEUKEMIA, MONONUCLEAR
Note: LEUKEMIA MONUC TGLs = 4-15

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:12

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 139

TRT#: 6

SEX: Female

DAY ON TEST: 687

DOSE: 2.5%

DISP: Moribund

HISTO: A85-0438

ORGAN AND ACCOUNTABLE SITE STATUS

| | | | |
|--|---------------------------------|---------------------------------|-----------------|
| Mammary Gland | Duct | Ectasia Fibroadenoma | Mild |
| Note: FIBROADENOMA TGLs = 3-14 Note: ECTASIA TGLs = 2-7 | | | |
| Nose | Olfactory Epi Respirat Epith | Degeneration Degeneration | Mild Minimal |
| Ovary | | Leukemia Mononuclear | |
| Pancreas | | Leukemia Mononuclear | |
| Pituitary Gland | Pars Distalis Pars Distalis | Adenoma Leukemia Mononuclear | |
| Note: ADENOMA TGLs = 11-1 | | | |
| Skin | Subcut Tiss | Fibrosarcoma | |
| Note: FIBROSARC TGLs = 1-13 | | | |
| Spleen | | Leukemia Mononuclear | |
| Note: LEUKEMIA MONUC TGLs = 5-2 | | | |
| Thymus | | Leukemia Mononuclear | |
| Thyroid Gland | C Cell | Hyperplasia | Mild |
| Tissue NOS | | | |
| Note: TGL # 2 - "TISSUE, NOS" IS MAMMARY GLAND. | | | |

PRIMARY CAUSE OF DEATH

-

Animal Note: TGL # 6 (CAVITIES) - NST

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:12

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 140

TRT#: 6

SEX: Female

DAY ON TEST: 734

DOSE: 2.5%

DISP: Terminal Sacrifice

HISTO: A85-0439

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

| | | | |
|---------------------|------------------|------------------|--------------------|
| Adrenal Gland | Cortex | Pigmentation | Minimal |
| Bone | Cranium | Osteopetrosis | Moderate |
| Note: OSTEOPETROSIS | TGLs = 5-10+15 | | |
| Clitoral Gland | | Carcinoma | |
| Note: CARCINOMA | TGLs = 1-8 | | |
| Heart | | Cardiomyopathy | Chronic, Mild |
| Kidney | | Nephropathy | Chronic, Mild |
| | Renal Tubule | Pigmentation | Mild |
| Liver | | Basophilic Focus | |
| | | Granuloma | Mild |
| | Portal | Inflammation | Chronic, Mild |
| Lung | | Hemorrhage | Mild |
| Lymph Node | Mediastinal | Congestion | Minimal |
| | Mesenteric | Congestion | Mild |
| | Mandibular | Hyperplasia | Lymphoid, Moderate |
| Mammary Gland | Acinus | Ectasia | Moderate |
| | | Fibroadenoma | |
| Note: ECTASIA | TGLs = 2-7 | | |
| Note: FIBROADENOMA | TGLs = 3,4-13+14 | | |
| Nose | Olfactory Epi | Degeneration | Mild |
| Pituitary Gland | Pars Distalis | Adenoma | |
| Note: ADENOMA | TGLs = 6-1 | | |
| Spleen | | Pigmentation | Moderate |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:12

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 140

TRT#: 6

SEX: Female

DAY ON TEST: 734

DOSE: 2.5%

DISP: Terminal Sacrifice

HISTO: A85-0439

ORGAN AND ACCOUNTABLE SITE STATUS

| | | | |
|---------------|-------------------|-------------|---------|
| Stomach | Glandular, Mucosa | Dilatation | Mild |
| Thyroid Gland | C Cell | Hyperplasia | Minimal |
| Tissue NOS | | | |

Note: TGL # 3 & 4 - "TISSUE, NOS" IS MAMMARY GLAND.

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:12

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 141

TRT#: 6

SEX: Female

DAY ON TEST: 623

DOSE: 2.5%

DISP: Moribund

HISTO: A85-0440

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Parathyroid Gland

OBSERVATIONS

| | | | |
|---|--------------|----------------------|-------------------|
| Adrenal Gland | Cortex | Pigmentation | Minimal |
| Bone | Cranium | Osteopetrosis | Moderate |
| Note: OSTEOPETROSIS TGLs = 6-14 | | | |
| Brain | | Compression | Moderate |
| Note: COMPRESSION TGLs = 8-1 | | | |
| Clitoral Gland | Duct | Ectasia | Moderate |
| Note: ECTASIA TGLs = 9-8 | | | |
| Kidney | | Nephropathy | Chronic, Moderate |
| | Renal Tubule | Pigmentation | Mild |
| Liver | | Fatty Change | Mild |
| | Bile Duct | Hyperplasia | Minimal |
| | | Leukemia Mononuclear | |
| Lung | | Leukemia Mononuclear | |
| | Arteriole | Mineralization | Mild |
| Note: LEUKEMIA MONUC TGLs = 5-3 | | | |
| Lymph Node | | | |
| Note: MEDIASTINAL L. N. - WITHIN NORMAL LIMITS. | | | |
| Mammary Gland | Acinus | Ectasia | Mild |
| | | Fibroadenoma | |
| Note: FIBROADENOMA TGLs = 2-13 | | | |
| Note: ECTASIA TGLs = 1-7 | | | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:12

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 141

TRT#: 6

SEX: Female

DAY ON TEST: 623

DOSE: 2.5%

DISP: Moribund

HISTO: A85-0440

ORGAN AND ACCOUNTABLE SITE STATUS

| | | | |
|---|-------------------|----------------------|---------------|
| Nose | Olfactory Epi | Degeneration | Mild |
| | Respirat Epith | Degeneration | Mild |
| | Nasolacrim Dct | Inflammation | Acute, Mild |
| Pancreas | Acinus | Atrophy | Moderate |
| Pituitary Gland | Pars Distalis | Adenoma | |
| Note: ADENOMA | TGLs = 7-1 | | |
| Spleen | | Leukemia Mononuclear | |
| Note: COD - LEUKEMIA, MONONUCLEAR | | | |
| Note: LEUKEMIA MONUC | TGLs = 4-2 | | |
| Stomach | Glandular, Mucosa | Dilatation | Mild |
| | Forestomach | Inflammation | Chronic, Mild |
| Thymus | | Cyst | |
| Tissue NOS | | | |
| Note: TGL # 2 - "TISSUE, NOS" IS MAMMARY GLAND. | | | |
| Vagina | | | |
| Note: TGL # 3 - NCL | | | |
| PRIMARY CAUSE OF DEATH | - | | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:12

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 142

TRT#: 6

SEX: Female

DAY ON TEST: 702

DOSE: 2.5%

DISP: Moribund

HISTO: A85-0441

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Clitoral Gland

OBSERVATIONS

| | | | |
|--------------------|---------------------------------|-------------------|----------------|
| Adrenal Gland | Cortex | Hyperplasia | Minimal |
| Eye | | Cataract | Mild |
| | Retina | Degeneration | Marked |
| | Sclera | Mineralization | Mild |
| Note: DEGEN | TGLs = 1-18 | | |
| Note: CATARACT | TGLs = 1-18 | | |
| Heart | | Cardiomyopathy | Chronic, Mild |
| Intestine Large | Cecum | Parasite Metazoan | |
| Kidney | | Nephropathy | Chronic, Mild |
| | Renal Tubule | Pigmentation | Mild |
| Liver | | Basophilic Focus | |
| | | Granuloma | Mild |
| | Bile Duct | Hyperplasia | Minimal |
| | Portal | Inflammation | Chronic, Mild |
| Lung | Arteriole | Mineralization | Mild |
| Lymph Node | Mediastinal | Congestion | Mild |
| | Mandibular | Hyperplasia | Lymphoid, Mild |
| Mammary Gland | Duct | Ectasia | Mild |
| | | Fibroadenoma | |
| Note: FIBROADENOMA | TGLs = 3,4,5,6,7-13,14,15,16+17 | | |
| Note: ECTASIA | TGLs = 2-7 | | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014
Time Report Requested: 08:21:12
First Dose M/F: NA / NA
Lab: SRI

| | | | |
|-----------------------|-------------------------------------|---|---|
| ANIMAL ID: 142 | TRT#: 6 DOSE: 2.5% | SEX: Female DISP: Moribund | DAY ON TEST: 702 HISTO: A85-0441 |
|-----------------------|-------------------------------------|---|---|

ORGAN AND ACCOUNTABLE SITE STATUS

| | | | |
|-----------------|-------------------|----------------------------------|------|
| Nose | Olfactory Epi | Degeneration | Mild |
| | Lumen | Hemorrhage | Mild |
| Pituitary Gland | Pars Distalis | Hyperplasia | Mild |
| Spleen | | Hematopoietic Cell Proliferation | Mild |
| | | Pigmentation | Mild |
| Stomach | Glandular, Mucosa | Dilatation | Mild |

Tissue NOS

Note: TGL # 3,4,5,6,&7 - "TISSUE, NOS" IS MAMMARY GLAND.

PRIMARY CAUSE OF DEATH -

Animal Note: COD-UNKNOWN

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:12

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 143

TRT#: 6

SEX: Female

DAY ON TEST: 717

DOSE: 2.5%

DISP: Moribund

HISTO: A85-0442

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|--------------------|-------------------|-----------------|-----------|
| Bone | Brain | Clitoral Gland | Esophagus |
| Islets, Pancreatic | Parathyroid Gland | Salivary Glands | Skin |
| Trachea | Urinary Bladder | | |

OBSERVATIONS

| | | | |
|----------------------|-----------------|----------------------|---------------|
| Adrenal Gland | Cortex | Degeneration | Fatty, Mild |
| | Cortex | Leukemia Mononuclear | |
| | Medulla | Leukemia Mononuclear | |
| Bone Marrow | | Leukemia Mononuclear | |
| Heart | | Cardiomyopathy | Chronic, Mild |
| Intestine Large | Cecum | Leukemia Mononuclear | |
| | Colon | Leukemia Mononuclear | |
| | Rectum | Leukemia Mononuclear | |
| Intestine Small | Duodenum | Leukemia Mononuclear | |
| | Ileum | Leukemia Mononuclear | |
| | Jejunum | Leukemia Mononuclear | |
| Kidney | | Leukemia Mononuclear | |
| | Renal Tubule | Nephropathy | Chronic, Mild |
| | | Pigmentation | Mild |
| Note: NEPHROPATHY | TGLs = 10-5 | | |
| Liver | | Leukemia Mononuclear | |
| Note: LEUKEMIA MONUC | TGLs = 11-2 | | |
| Lung | | Leukemia Mononuclear | |
| Note: LEUKEMIA MONUC | TGLs = 14-3+3.1 | | |
| Lymph Node | Mandibular | Leukemia Mononuclear | |
| | Mediastinal | Leukemia Mononuclear | |
| | Mesenteric | Leukemia Mononuclear | |
| | Pancreatic | Leukemia Mononuclear | |
| Note: LEUKEMIA MONUC | TGLs = 9-4 | | |
| Note: LEUKEMIA MONUC | TGLs = 12-18 | | |
| Note: LEUKEMIA MONUC | TGLs = 15-3+3.1 | | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:12

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 143

TRT#: 6

SEX: Female

DAY ON TEST: 717

DOSE: 2.5%

DISP: Moribund

HISTO: A85-0442

ORGAN AND ACCOUNTABLE SITE STATUS

Note: COD-LEUKEMIA, MONONUCLEAR

Mammary Gland

Acinus

Ectasia

Moderate

Fibroadenoma

Leukemia Mononuclear

Note: ECTASIA TGLs = 1-7

[Fibroadenoma TGLS = 2,3-13+14]

Nose

Olfactory Epi

Degeneration

Mild

Respirat Epith

Degeneration

Minimal

Ovary

Leukemia Mononuclear

Pancreas

Leukemia Mononuclear

Pituitary Gland

Pars Distalis

Adenoma

Pars Distalis

Leukemia Mononuclear

Note: ADENOMA TGLs = 16-1

Skeletal Muscle

Leukemia Mononuclear

Spleen

Leukemia Mononuclear

Necrosis

Mild

Note: NECROSIS TGLs = 8-17

Note: LEUKEMIA MONUC TGLs = 7-2+17

Stomach

Glandular, Mucosa

Dilatation

Mild

Forestomach

Leukemia Mononuclear

Glandular

Leukemia Mononuclear

Forestomach

Ulcer

Marked

Note: ULCER TGLs = 13-4

Thymus

Leukemia Mononuclear

Thyroid Gland

C Cell

Hyperplasia

Minimal

Leukemia Mononuclear

Tissue NOS

Note: "TISSUE, NOS" = SKIN & SKELETAL MUSCLE

Uterus

Leukemia Mononuclear

Endometrium

Polyp Stromal

Note: POLYP STROMAL TGLs = 4,5-15+16

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:12

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 143

TRT#: 6

SEX: Female

DAY ON TEST: 717

DOSE: 2.5%

DISP: Moribund

HISTO: A85-0442

ORGAN AND ACCOUNTABLE SITE STATUS

Vagina

Leukemia Mononuclear

Note: LEUKEMIA MONUC TGLs = 6-6

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:12

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 144

TRT#: 6

SEX: Female

DAY ON TEST: 619

DOSE: 2.5%

DISP: Moribund

HISTO: A85-0443

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

| | | | |
|---------------------------------|---------------|----------------------|----------------------|
| Adrenal Gland | Medulla | Hyperplasia | Mild |
| | Cortex | Pigmentation | Minimal |
| Brain | | Compression | Mild |
| Clitoral Gland | | Inflammation | Chronic Active, Mild |
| Heart | | Cardiomyopathy | Chronic, Minimal |
| Kidney | | Nephropathy | Chronic, Mild |
| | Renal Tubule | Pigmentation | Moderate |
| Liver | | Fatty Change | Mild |
| | Bile Duct | Hyperplasia | Mild |
| | | Leukemia Mononuclear | |
| Note: LEUKEMIA MONUC TGLs = 6-2 | | | |
| Lung | | Leukemia Mononuclear | |
| | Arteriole | Mineralization | Mild |
| Note: LEUKEMIA MONUC TGLs = 5-3 | | | |
| Lymph Node | Mandibular | Leukemia Mononuclear | |
| Mammary Gland | | Adenocarcinoma | |
| | Acinus | Ectasia | Moderate |
| Note: ADENOCARC TGLs = 2-13 | | | |
| Note: ECTASIA TGLs = 1-7 | | | |
| Nose | Olfactory Epi | Degeneration | Mild |
| Pituitary Gland | Pars Distalis | Adenoma | |
| Note: ADENOMA TGLs = 7-1 | | | |
| Spleen | | Leukemia Mononuclear | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:12

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 144

TRT#: 6

SEX: Female

DAY ON TEST: 619

DOSE: 2.5%

DISP: Moribund

HISTO: A85-0443

ORGAN AND ACCOUNTABLE SITE STATUS

Note: COD-LEUKEMIA, MONUC

Note: LEUKEMIA MONUC TGLs = 3-14

| | | | |
|---------|-------------------|----------------|------|
| Stomach | Glandular, Mucosa | Dilatation | Mild |
| | Forestomach | Mineralization | Mild |
| | Glandular | Mineralization | Mild |

Tissue NOS

Note: TGL # 2 - "TISSUE, NOS" IS MAMMARY GLAND.

PRIMARY CAUSE OF DEATH -

Animal Note: TGL # 4 (CAVITIES)-NST

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:12

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 145

TRT#: 6

SEX: Female

DAY ON TEST: 734

DOSE: 2.5%

DISP: Terminal Sacrifice

HISTO: A85-0444

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

| | | | |
|----------------------------------|----------------|----------------------------------|------------------|
| Adrenal Gland | Cortex | Pigmentation | Mild |
| Brain | | Compression | Moderate |
| Clitoral Gland | | Inflammation | Chronic, Mild |
| Heart | | Cardiomyopathy | Chronic, Mild |
| Kidney | | Nephropathy | Chronic, Minimal |
| | Renal Tubule | Pigmentation | Mild |
| Liver | | Basophilic Focus | |
| | | Granuloma | Mild |
| | | Hematopoietic Cell Proliferation | Mild |
| | Portal | Inflammation | Chronic, Minimal |
| Lung | Arteriole | Mineralization | Mild |
| Lymph Node | Mesenteric | Hyperplasia | Lymphoid, Mild |
| Mammary Gland | Duct | Ectasia | Minimal |
| Nose | Olfactory Epi | Degeneration | Mild |
| | Respirat Epith | Degeneration | Mild |
| | Lumen | Hemorrhage | Mild |
| | Nasolacrim Dct | Inflammation | Acute, Mild |
| Pancreas | Acinus | Atrophy | Mild |
| Pituitary Gland | Pars Distalis | Adenoma | |
| Note: ADENOMA TGLs = 3-1 | | | |
| Skin | | Cyst Epithelial Inclusion | |
| Note: CYST EPITH INC TGLs = 1-13 | | | |
| Spleen | | Pigmentation | Moderate |
| Thymus | | Hyperplasia | Lymphoid, Mild |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:12

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 145

TRT#: 6

SEX: Female

DAY ON TEST: 734

DOSE: 2.5%

DISP: Terminal Sacrifice

HISTO: A85-0444

ORGAN AND ACCOUNTABLE SITE STATUS

Thyroid Gland

C Cell

Hyperplasia

Mild

Uterus

Endometrium

Polyp Stromal

Note: POLYP STROMAL TGLs = 2-6

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:12

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 146

TRT#: 6

SEX: Female

DAY ON TEST: 734

DOSE: 2.5%

DISP: Terminal Sacrifice

HISTO: A85-0445

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|-------------------------|---------------------------|-------------------------|----------------------------|
| Adrenal Gland - Medulla | Bone | Bone Marrow | Clitoral Gland |
| Esophagus | Intestine Large - Cecum | Intestine Large - Colon | Intestine Small - Duodenum |
| Intestine Small - Ileum | Intestine Small - Jejunum | Islets, Pancreatic | Ovary |
| Pancreas | Parathyroid Gland | Salivary Glands | Skin |
| Thymus | Thyroid Gland | Trachea | Urinary Bladder |
| Uterus | | | |

OBSERVATIONS

| | | | |
|--|---------------|------------------------|--------------------|
| Adrenal Gland | Cortex | Degeneration | Fatty, Mild |
| | Cortex | Pigmentation | Minimal |
| Brain | | Compression | Moderate |
| Eye | | Cataract | Marked |
| | Retina | Degeneration | Marked |
| Note: CATARACT | TGLs = 2-13 | | |
| Note: DEGEN | TGLs = 2-13 | | |
| Heart | | Cardiomyopathy | Chronic, Mild |
| Intestine Large | Rectum | Parasite Metazoan | |
| Kidney | | Nephropathy | Chronic, Moderate |
| | Renal Tubule | Pigmentation | Mild |
| Liver | | Basophilic Focus | |
| | | Granuloma | Mild |
| | | Hepatocellular Adenoma | |
| | Portal | Inflammation | Chronic, Minimal |
| Note: HEPATOCLR ADEN | TGLs = 4-2 | | |
| Note: ADENOMA VS. ANGIECTASIS - PWG(?) | | | |
| Lung | Arteriole | Mineralization | Mild |
| Lymph Node | Mandibular | Hyperplasia | Lymphoid, Mild |
| | Mesenteric | Hyperplasia | Lymphoid, Moderate |
| Mammary Gland | Acinus | Ectasia | Mild |
| Note: ECTASIA | TGLs = 1-7 | | |
| Nose | Olfactory Epi | Degeneration | Mild |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:12

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 146

TRT#: 6

SEX: Female

DAY ON TEST: 734

DOSE: 2.5%

DISP: Terminal Sacrifice

HISTO: A85-0445

ORGAN AND ACCOUNTABLE SITE STATUS

Pituitary Gland

Pars Distalis

Adenoma

Note: ADENOMA TGLs = 3-1

Skeletal Muscle

Inflammation

Chronic, Marked

Note: SKELETAL MUSCLE-BLOCK # 7

Spleen

Hematopoietic Cell Proliferation

Mild

Pigmentation

Mild

Stomach

Glandular, Mucosa

Dilatation

Mild

Forestomach

Hyperkeratosis

Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:12

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 147

TRT#: 6

SEX: Female

DAY ON TEST: 734

DOSE: 2.5%

DISP: Terminal Sacrifice

HISTO: A85-0446

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

| | | | |
|---|----------------|----------------------------------|------------------|
| Adrenal Gland | Cortex | Degeneration | Fatty, Minimal |
| | Cortex | Pigmentation | Minimal |
| Clitoral Gland | | Inflammation | Chronic, Minimal |
| Heart | | Cardiomyopathy | Chronic, Mild |
| Intestine Large | Rectum | Parasite Metazoan | |
| Kidney | Renal Tubule | Nephropathy | Chronic, Mild |
| | | Pigmentation | Mild |
| Liver | | Basophilic Focus | |
| | | Fatty Change | Minimal |
| | Bile Duct | Hyperplasia | Minimal |
| | Portal | Inflammation | Chronic, Minimal |
| Lung | | Alveolar/Bronchiolar Carcinoma | |
| | Alveolus | Infiltration Cellular | Histiocyte, Mild |
| Note: ALV BRON CARC TGLs = 2-3 | | | |
| Lymph Node | | | |
| Note: MEDIASTINAL L. N. - WITHIN NORMAL LIMITS. | | | |
| Mammary Gland | Acinus | Ectasia | Mild |
| | Duct | Ectasia | Mild |
| Nose | Olfactory Epi | Degeneration | Mild |
| | Respirat Epith | Degeneration | Minimal |
| Pituitary Gland | Pars Distalis | Adenoma | |
| Spleen | | Hematopoietic Cell Proliferation | Mild |
| | | Pigmentation | Mild |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:12

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 147

TRT#: 6

SEX: Female

DAY ON TEST: 734

DOSE: 2.5%

DISP: Terminal Sacrifice

HISTO: A85-0446

ORGAN AND ACCOUNTABLE SITE STATUS

| | | | |
|---------------|-------------------|-------------|------|
| Stomach | Glandular, Mucosa | Dilatation | Mild |
| Thyroid Gland | C Cell | Hyperplasia | Mild |
| Vagina | | | |

Note: TGL # 1 (FLUID) - NCL

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:12

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 148

TRT#: 6

DOSE: 2.5%

SEX: Female

DISP: Moribund

DAY ON TEST: 702

HISTO: A85-0447

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

| | | | |
|-----------------------------------|---------------|----------------------------------|---------------|
| Adrenal Gland | Cortex | Hyperplasia | Minimal |
| | Cortex | Pigmentation | Minimal |
| Clitoral Gland | | Squamous Cell Carcinoma | |
| Note: COD-SQUAMOUS CELL CARCINOMA | | | |
| Note: SQUAM CEL CARC TGLs = 3-14 | | | |
| Eye | | Cataract | Marked |
| | Retina | Degeneration | Marked |
| Note: DEGEN TGLs = 1-15+15.1 | | | |
| Note: CATARACT TGLs = 1-15+15.1 | | | |
| Heart | | Cardiomyopathy | Chronic, Mild |
| Kidney | | Nephropathy | Chronic, Mild |
| | Renal Tubule | Pigmentation | Mild |
| Liver | | Basophilic Focus | |
| | Bile Duct | Hyperplasia | Minimal |
| | Portal | Inflammation | Chronic, Mild |
| Mammary Gland | | Fibroadenoma | |
| Note: FIBROADENOMA TGLs = 2-13 | | | |
| Nose | Olfactory Epi | Degeneration | Mild |
| | Lumen | Hemorrhage | Minimal |
| Pituitary Gland | Pars Distalis | Cyst | |
| | Pars Distalis | Hyperplasia | Mild |
| Spleen | | Hematopoietic Cell Proliferation | Moderate |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:12

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 148

TRT#: 6

SEX: Female

DAY ON TEST: 702

DOSE: 2.5%

DISP: Moribund

HISTO: A85-0447

ORGAN AND ACCOUNTABLE SITE STATUS

| | | | |
|---------|-------------------|------------|------|
| Stomach | Glandular, Mucosa | Dilatation | Mild |
|---------|-------------------|------------|------|

Tissue NOS

Note: TGL # 2 - "TISSUE, NOS" IS MAMMARY GLAND.

| | | | |
|--------|--|---------|------|
| Uterus | | Ectasia | Mild |
|--------|--|---------|------|

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:12

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 149

TRT#: 6

SEX: Female

DAY ON TEST: 734

DOSE: 2.5%

DISP: Terminal Sacrifice

HISTO: A85-0448

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

| | | | |
|--------------------------------|----------------|----------------------------------|----------------------|
| Adrenal Gland | Cortex | Degeneration | Fatty, Minimal |
| | Medulla | Pheochromocytoma Nos | |
| | Cortex | Pigmentation | Minimal |
| Heart | | Cardiomyopathy | Chronic, Mild |
| Kidney | | Nephropathy | Chronic, Minimal |
| | Renal Tubule | Pigmentation | Mild |
| Liver | | Basophilic Focus | |
| | Hepatocyte | Hyperplasia | Moderate |
| Note: HYPERPLASIA TGLs = 3-15 | | | |
| Lung | Alveolar Epith | Hyperplasia | Moderate |
| | Alveolus | Infiltration Cellular | Histiocyte, Mild |
| | Arteriole | Mineralization | Mild |
| Lymph Node | Mediastinal | Hyperplasia | Reticulum Cell, Mild |
| Mammary Gland | Acinus | Ectasia | Moderate |
| | | Fibroadenoma | |
| Note: FIBROADENOMA TGLs = 1-13 | | | |
| Mesentery | Fat | Necrosis | Marked |
| Note: NECROSIS TGLs = 2-14 | | | |
| Nose | Olfactory Epi | Degeneration | Mild |
| | Respirat Epith | Degeneration | Minimal |
| Pancreas | Acinus | Atrophy | Mild |
| Pituitary Gland | Pars Distalis | Hyperplasia | Mild |
| Spleen | | Hematopoietic Cell Proliferation | Mild |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:12

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 149

TRT#: 6

SEX: Female

DAY ON TEST: 734

DOSE: 2.5%

DISP: Terminal Sacrifice

HISTO: A85-0448

ORGAN AND ACCOUNTABLE SITE STATUS

Stomach

Glandular, Mucosa

Pigmentation

Mild

Dilatation

Mild

Glandular

Mineralization

Mild

Tissue NOS

Note: TGL # 1 - "TISSUE, NOS" IS MAMMARY GLAND

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:12

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 150

TRT#: 6

SEX: Female

DAY ON TEST: 734

DOSE: 2.5%

DISP: Terminal Sacrifice

HISTO: A85-0449

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

| | | | |
|-----------------|-------------------|----------------------------------|----------------------|
| Adrenal Gland | Cortex | Adenoma | |
| | Cortex | Degeneration | Fatty, Mild |
| | Cortex | Pigmentation | Minimal |
| Bone Marrow | | Hyperplasia | Reticulum Cell, Mild |
| Heart | | Cardiomyopathy | Chronic, Minimal |
| Kidney | | Nephropathy | Chronic, Moderate |
| | Renal Tubule | Pigmentation | Mild |
| Liver | | Basophilic Focus | |
| | Bile Duct | Hyperplasia | Minimal |
| | Portal | Inflammation | Chronic, Minimal |
| Lung | Alveolus | Infiltration Cellular | Histiocyte, Minimal |
| | Arteriole | Mineralization | Minimal |
| Lymph Node | Mediastinal | Congestion | Mild |
| | Mandibular | Hyperplasia | Lymphoid, Mild |
| Mammary Gland | Duct | Ectasia | Mild |
| Nose | Olfactory Epi | Degeneration | Mild |
| | Respirat Epith | Degeneration | Minimal |
| | Nasolacrim Dct | Inflammation | Acute, Mild |
| Pancreas | Artery | Inflammation | Chronic, Mild |
| Pituitary Gland | Pars Distalis | Cyst | |
| Spleen | | Hematopoietic Cell Proliferation | Mild |
| | | Pigmentation | Mild |
| Stomach | Glandular, Mucosa | Dilatation | Mild |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:12

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 150

TRT#: 6

SEX: Female

DAY ON TEST: 734

DOSE: 2.5%

DISP: Terminal Sacrifice

HISTO: A85-0449

ORGAN AND ACCOUNTABLE SITE STATUS

Thyroid Gland

C Cell

Hyperplasia

Mild

Uterus

Endometrium

Polyp Stromal

Note: POLYP STROMAL TGLs = 1-6

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:12

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 151

TRT#: 6

SEX: Female

DAY ON TEST: 640

DOSE: 2.5%

DISP: Moribund

HISTO: A85-0450

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|---------------------------|-------------------------|----------------------------|-------------------------|
| Adrenal Gland - Medulla | Bone | Bone Marrow | Esophagus |
| Intestine Large - Cecum | Intestine Large - Colon | Intestine Small - Duodenum | Intestine Small - Ileum |
| Intestine Small - Jejunum | Islets, Pancreatic | Lung | Ovary |
| Pancreas | Parathyroid Gland | Salivary Glands | Skin |
| Stomach - Forestomach | Thymus | Thyroid Gland | Trachea |
| Urinary Bladder | | | |

OBSERVATIONS

| | | | |
|--------------------|-------------------|----------------------------------|-------------------|
| Adrenal Gland | Cortex | Pigmentation | Minimal |
| Brain | | Compression | Mild |
| Clitoral Gland | | Inflammation | Chronic, Mild |
| Heart | | Cardiomyopathy | Chronic, Minimal |
| Intestine Large | Rectum | Parasite Metazoan | |
| Kidney | Renal Tubule | Nephropathy | Chronic, Moderate |
| | | Pigmentation | Mild |
| Note: NEPHROPATHY | TGLs = 3-5 | | |
| Liver | | Basophilic Focus | |
| Lymph Node | Mandibular | Hyperplasia | Lymphoid, Mild |
| | Mesenteric | Hyperplasia | Lymphoid, Mild |
| Mammary Gland | Acinus | Ectasia | Mild |
| | Acinus | Fibroadenoma | |
| Note: FIBROADENOMA | TGLs = 1,2-13+14 | Hyperplasia | Moderate |
| Nose | Olfactory Epi | Degeneration | Mild |
| | Respirat Epith | Degeneration | Minimal |
| Pituitary Gland | Pars Distalis | Adenoma | |
| Note: COD-ADENOMA | | | |
| Note: ADENOMA | TGLs = 4-1 | | |
| Spleen | | Hematopoietic Cell Proliferation | Mild |
| | | Pigmentation | Mild |
| Stomach | Glandular, Mucosa | Dilatation | Mild |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014
Time Report Requested: 08:21:12
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 151

TRT#: 6

SEX: Female

DAY ON TEST: 640

DOSE: 2.5%

DISP: Moribund

HISTO: A85-0450

ORGAN AND ACCOUNTABLE SITE STATUS

Tissue NOS

Note: TGL # 1,2 - "TISSUE, NOS" IS MAMMARY GLAND.

Uterus

Endometrium

Hyperplasia

Cystic, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:12

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 152

TRT#: 6

SEX: Female

DAY ON TEST: 734

DOSE: 2.5%

DISP: Terminal Sacrifice

HISTO: A85-0451

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland

OBSERVATIONS

| | | | |
|--|----------------|----------------------------------|---------------------|
| Adrenal Gland | Cortex | Degeneration | Fatty, Mild |
| | Cortex | Pigmentation | Minimal |
| Heart | | Cardiomyopathy | Chronic, Moderate |
| Kidney | | Nephropathy | Chronic, Mild |
| | Renal Tubule | Pigmentation | Mild |
| Liver | | Basophilic Focus | |
| | Bile Duct | Hyperplasia | Minimal |
| | | Leukemia Mononuclear | |
| Lung | Alveolus | Infiltration Cellular | Histiocyte, Minimal |
| | Arteriole | Mineralization | Mild |
| Lymph Node | Mesenteric | Leukemia Mononuclear | |
| Note: MEDIASTINAL L. N. - WITHIN NORMAL LIMITS | | | |
| Mammary Gland | | | |
| Note: TGL # 2 (CYSTS) - NST | | | |
| Nose | Olfactory Epi | Degeneration | Minimal |
| | Respirat Epith | Degeneration | Mild |
| | Lumen | Hemorrhage | Mild |
| | Nasolacrim Dct | Inflammation | Acute, Mild |
| Pituitary Gland | Pars Distalis | Adenoma | |
| Note: ADENOMA TGLs = 3-1 | | | |
| Spleen | | Hematopoietic Cell Proliferation | Mild |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014
Time Report Requested: 08:21:12
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 152

TRT#: 6
DOSE: 2.5%

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 734
HISTO: A85-0451

ORGAN AND ACCOUNTABLE SITE STATUS

Note: LEUKEMIA MONUC TGLs = 1-2

Stomach Glandular, Mucosa
Thyroid Gland C Cell

Leukemia Mononuclear
Pigmentation Mild
Dilatation Mild
Hyperplasia Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:12

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 153

TRT#: 6

SEX: Female

DAY ON TEST: 734

DOSE: 2.5%

DISP: Terminal Sacrifice

HISTO: A85-0452

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 | Lung |
| Ovary | Pancreas | Parathyroid Gland | Salivary Glands |
| Skin | Stomach - Forestomach | Thymus | Thyroid Gland |
| Trachea | Urinary Bladder | Uterus | |

OBSERVATIONS

| | | | |
|-----------------|-------------------|------------------|-------------------|
| Adrenal Gland | Cortex | Hyperplasia | Mild |
| | Medulla | Hyperplasia | Mild |
| Clitoral Gland | Duct | Ectasia | Moderate |
| Note: ECTASIA | TGLs = 2-8 | | |
| Heart | | Cardiomyopathy | Chronic, Mild |
| Kidney | | Nephropathy | Chronic, Moderate |
| | Renal Tubule | Pigmentation | Mild |
| Liver | | Basophilic Focus | |
| Lymph Node | Mandibular | Hyperplasia | Lymphoid, Mild |
| | Mesenteric | Hyperplasia | Lymphoid, Mild |
| Mammary Gland | Acinus | Ectasia | Mild |
| | Duct | Ectasia | Mild |
| Note: ECTASIA | TGLs = 1-7 | | |
| Nose | Olfactory Epi | Degeneration | Mild |
| | Lumen | Hemorrhage | Mild |
| Pituitary Gland | Pars Distalis | Adenoma | |
| | Pars Distalis | Angiectasis | Moderate |
| Spleen | | Pigmentation | Moderate |
| Stomach | Glandular, Mucosa | Dilatation | Mild |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:12

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 154

TRT#: 6

SEX: Female

DAY ON TEST: 734

DOSE: 2.5%

DISP: Terminal Sacrifice

HISTO: A85-0453

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 | Ovary | Pancreas |
| Salivary Glands | Stomach - Forestomach | Thyroid Gland | Trachea |

MISSING

Parathyroid Gland

OBSERVATIONS

| | | | |
|----------------------|-----------------|----------------------|------------------|
| Adrenal Gland | Cortex | Adenoma | |
| | Cortex | Angiectasis | Moderate |
| | Cortex | Pigmentation | Minimal |
| Kidney | | Nephropathy | Chronic, Minimal |
| | Renal Tubule | Pigmentation | Mild |
| Liver | | Basophilic Focus | |
| | Bile Duct | Hyperplasia | Moderate |
| | Portal | Inflammation | Chronic, Mild |
| | | Leukemia Mononuclear | |
| Note: LEUKEMIA MONUC | TGLs = 6-2 | | |
| Lung | | Leukemia Mononuclear | |
| | Arteriole | Mineralization | Minimal |
| Lymph Node | Axillary | Leukemia Mononuclear | |
| | Mandibular | Leukemia Mononuclear | |
| | Mesenteric | Leukemia Mononuclear | |
| Note: LEUKEMIA MONUC | TGLs = 3-14 | | |
| Mammary Gland | | Fibroadenoma | |
| Note: FIBROADENOMA | TGLs = 1,2-7+13 | | |
| Nose | Olfactory Epi | Degeneration | Mild |
| | Lumen | Hemorrhage | Minimal |
| | Nasolacrim Dct | Inflammation | Acute, Mild |
| Pituitary Gland | Pars Distalis | Adenoma | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:12

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 154

TRT#: 6

SEX: Female

DAY ON TEST: 734

DOSE: 2.5%

DISP: Terminal Sacrifice

HISTO: A85-0453

ORGAN AND ACCOUNTABLE SITE STATUS

| | | | |
|--|-------------------|---------------------------------------|--------------|
| Skin | Pars Distalis | Leukemia Mononuclear Alopecia | Mild |
| Note: ALOPECIA TGLs = 8-17 | | | |
| Spleen | | Leukemia Mononuclear Pigmentation | Mild |
| Note: LEUKEMIA MONUC TGLs = 5-2 | | | |
| Stomach | Glandular, Mucosa | Dilatation | Mild |
| Thymus | | Leukemia Mononuclear | |
| Note: LEUKEMIA MONUC TGLs = 7-16 | | | |
| Tissue NOS | | | |
| Note: TGL # 2,3-"TISSUE, NOS" IS MAMMARY GL. & AXILLARY L.N. | | | |
| Urinary Bladder | | Leukemia Mononuclear | |
| Uterus | Endometrium | Hyperplasia | Cystic, Mild |
| | Endometrium | Leukemia Mononuclear Polyp Stromal | |
| Note: POLYP STROMAL TGLs = 4-15 | | | |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:12

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 155

TRT#: 6

SEX: Female

DAY ON TEST: 466

DOSE: 2.5%

DISP: Moribund

HISTO: A84031019

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|-------------------------|--------------------------|-------------------------|---------------------------|
| Adrenal Gland - Cortex | Adrenal Gland - Medulla | Bone | Bone Marrow |
| Clitoral Gland | Esophagus | Heart | Intestine Large - Cecum |
| Intestine Large - Colon | Intestine Large - Rectum | Intestine Small - Ileum | Intestine Small - Jejunum |
| Islets, Pancreatic | Lung | Lymph Node - Mesenteric | Mammary Gland |
| Ovary | Pancreas | Parathyroid Gland | Salivary Glands |
| Skin | Thymus | Thyroid Gland | Trachea |
| Urinary Bladder | Vagina | | |

MISSING

Intestine Small - Duodenum

OBSERVATIONS

| | | | |
|---|-------------------|--|----------------|
| Brain | | Hydrocephalus Oligodendroglioma Malignant | Moderate |
| Note: CAUSE OF DEATH- OLIGODENDR MAL. [Oligodendroglioma Malignant TGLS = 2-1] | | | |
| Eye | | Cataract Degeneration | Mild Marked |
| | Retina | | |
| Note: DEGEN TGLs = 1-44 Note: CATARACT TGLs = 1-44 | | | |
| Kidney | Renal Tubule | Pigmentation | Mild |
| Liver | | Basophilic Focus | |
| | Bile Duct | Hyperplasia | Minimal |
| Lymph Node | Mandibular | Pigmentation | Mild |
| Nose | Olfactory Epi | Degeneration | Mild |
| Pituitary Gland | Pars Distalis | Adenoma | |
| Spleen | | Hematopoietic Cell Proliferation | Mild |
| | | Pigmentation | Moderate |
| Stomach | Glandular, Mucosa | Dilatation | Mild |
| | Forestomach | Hyperplasia | Squamous, Mild |
| | Forestomach | Inflammation | Chronic, Mild |
| Uterus | Endometrium | Hyperplasia | Cystic, Mild |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:12

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 155

TRT#: 6

SEX: Female

DAY ON TEST: 466

DOSE: 2.5%

DISP: Moribund

HISTO: A84031019

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

Animal Note: TGL 3-NST.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:12

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 156

TRT#: 6

SEX: Female

DAY ON TEST: 637

DOSE: 2.5%

DISP: Moribund

HISTO: A85-0455

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|-------------------------|---------------------------|--------------------------|----------------------------|
| Adrenal Gland - Cortex | Adrenal Gland - Medulla | Bone | Esophagus |
| Intestine Large - Cecum | Intestine Large - Colon | Intestine Large - Rectum | Intestine Small - Duodenum |
| Intestine Small - Ileum | Intestine Small - Jejunum | Islets, Pancreatic | Ovary |
| Pancreas | Parathyroid Gland | Salivary Glands | Skin |
| Stomach - Forestomach | Thymus | Thyroid Gland | Trachea |
| Urinary Bladder | Vagina | | |

OBSERVATIONS

| | | | |
|--------------------|------------------|----------------------|----------------|
| Bone Marrow | | Leukemia Mononuclear | |
| Brain | | Compression | Moderate |
| Note: COMPRESSION | TGLs = 9-1 | | |
| Clitoral Gland | | Inflammation | Chronic, Mild |
| Heart | | Cardiomyopathy | Chronic, Mild |
| Kidney | | Nephropathy | Chronic, Mild |
| | Renal Tubule | Pigmentation | Mild |
| Liver | | Leukemia Mononuclear | |
| Lung | | Leukemia Mononuclear | |
| | Arteriole | Mineralization | Mild |
| Lymph Node | Mandibular | Leukemia Mononuclear | |
| | Mesenteric | Leukemia Mononuclear | |
| Mammary Gland | Acinus | Ectasia | Mild |
| | | Fibroadenoma | |
| Note: ECTASIA | TGLs = 1-7 | | |
| Note: FIBROADENOMA | TGLs = 2,3-13+14 | | |
| Mesentery | Fat | Necrosis | Marked |
| Note: NECROSIS | TGLs = 4-15 | | |
| Nose | Olfactory Epi | Degeneration | Mild |
| | Nasolacrim Dct | Inflammation | Acute, Minimal |
| Pituitary Gland | Pars Distalis | Adenoma | |
| Note: ADENOMA | TGLs = 8-1 | | |
| Spleen | | Fibrosis | Moderate |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:12

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 156

TRT#: 6

SEX: Female

DAY ON TEST: 637

DOSE: 2.5%

DISP: Moribund

HISTO: A85-0455

ORGAN AND ACCOUNTABLE SITE STATUS

Hematopoietic Cell Proliferation

Mild

Leukemia Mononuclear

Note: COD-LEUKEMIA, MONONUCLEAR

Note: FIBROSIS TGLs = 7-16

Note: LEUKEMIA MONUC TGLs = 6-2+16

Stomach

Glandular, Mucosa

Dilatation

Mild

Tissue NOS

Note: TGL # 2,3 - "TISSUE, NOS" IS MAMMARY GLAND.

Uterus

Ectasia

Mild

Vagina

Note: TGL # 5 - NCL

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:12

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 157

TRT#: 6

SEX: Female

DAY ON TEST: 561

DOSE: 2.5%

DISP: Moribund

HISTO: A85-0456

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|----------------------------|-------------------------|---------------------------|--------------------------|
| Bone | Esophagus | Intestine Large - Cecum | Intestine Large - Rectum |
| Intestine Small - Duodenum | Intestine Small - Ileum | Intestine Small - Jejunum | Islets, Pancreatic |
| Ovary | Parathyroid Gland | Skin | Trachea |
| Urinary Bladder | Uterus | | |

OBSERVATIONS

| | | | |
|---------------------------|----------------|----------------------|------------------|
| Adrenal Gland | Cortex | Degeneration | Fatty, Mild |
| | Cortex | Leukemia Mononuclear | |
| | Medulla | Leukemia Mononuclear | |
| | Cortex | Pigmentation | Minimal |
| Bone Marrow | | Leukemia Mononuclear | |
| Brain | | Leukemia Mononuclear | |
| Clitoral Gland | | Leukemia Mononuclear | |
| Heart | | Leukemia Mononuclear | |
| Intestine Large | Colon | Parasite Metazoan | |
| Kidney | Renal Tubule | Nephropathy | Chronic, Mild |
| | | Pigmentation | Mild |
| Liver | Bile Duct | Fatty Change | Mild |
| | Portal | Hyperplasia | Minimal |
| | | Inflammation | Chronic, Minimal |
| | | Leukemia Mononuclear | |
| Note: LEUKEMIA MONUC | TGLs = 4-2 | | |
| Lung | | Leukemia Mononuclear | |
| Lymph Node | Mandibular | Leukemia Mononuclear | |
| | Mediastinal | Leukemia Mononuclear | |
| | Mesenteric | Leukemia Mononuclear | |
| | Pancreatic | Leukemia Mononuclear | |
| Note: LEUKEMIA MONUC | TGLs = 1-7+7.1 | | |
| Note: COD-LEUKEMIA, MONUC | | | |
| Mammary Gland | Duct | Ectasia | Mild |
| Nose | Olfactory Epi | Degeneration | Mild |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014
Time Report Requested: 08:21:12
First Dose M/F: NA / NA
Lab: SRI

| | | | |
|--|---|---|---|
| ANIMAL ID: 157 | TRT#: 6 DOSE: 2.5% | SEX: Female DISP: Moribund | DAY ON TEST: 561 HISTO: A85-0456 |
| ORGAN AND ACCOUNTABLE SITE STATUS | | | |
| Pancreas Note: LEUKEMIA MONUC TGLs = 3-7+13 | Lumen | Inflammation Leukemia Mononuclear | Acute, Minimal |
| Pituitary Gland | Pars Distalis Pars Distalis Pars Intermed | Hyperplasia Leukemia Mononuclear Leukemia Mononuclear | Mild |
| Salivary Glands | | Leukemia Mononuclear | |
| Spleen Note: LEUKEMIA MONUC TGLs = 2-2 | | Leukemia Mononuclear | |
| Stomach | Forestomach Glandular Forestomach | Leukemia Mononuclear Leukemia Mononuclear Ulcer | Marked |
| Thymus | | Leukemia Mononuclear | |
| Thyroid Gland | C Cell | Hyperplasia | Minimal |
| PRIMARY CAUSE OF DEATH | - | | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:12

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 158

TRT#: 6

SEX: Female

DAY ON TEST: 467

DOSE: 2.5%

DISP: Dead

HISTO: A84031020

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla
Clitoral Gland
Intestine Large - Rectum
Mammary Gland
Pituitary Gland
Thymus
Uterus

Bone
Esophagus
Liver
Nose
Salivary Glands
Thyroid Gland

Bone Marrow
Heart
Lymph Node - Mandibular
Ovary
Skin
Trachea

Brain
Intestine Large - Colon
Lymph Node - Mesenteric
Parathyroid Gland
Stomach - Glandular
Urinary Bladder

AUTO PRECLUDES DIAG.

Intestine Large - Cecum
Pancreas

Intestine Small - Ileum

Intestine Small - Jejunum

Islets, Pancreatic

OBSERVATIONS

Adrenal Gland
Intestine Small
Note: CAUSE OF DEATH- ADENOCARCINOMA.
[Adenocarcinoma TGLS = 1-21]
Kidney
Lung
Lymph Node
Note: TGL 3-MEDIASTINAL-NST.
Spleen
Stomach

Cortex
Duodenum
Mediastinum
Forestomach

Hyperplasia
Adenocarcinoma
Mineralization
Nephropathy
Inflammation
Pigmentation
Ulcer

Mild
Mild
Chronic, Minimal
Acute, Moderate
Mild
Moderate

PRIMARY CAUSE OF DEATH

-

Animal Note: TGL 2 (CAVITIES)-NST.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:12

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 159

TRT#: 6

SEX: Female

DAY ON TEST: 273

DOSE: 2.5%

DISP: Moribund

HISTO: A83028673

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 |
| Liver | Lung | Lymph Node - Mandibular | Lymph Node - Mesenteric |
| Mammary Gland | Ovary | Pancreas | Parathyroid Gland |
| Salivary Glands | Skin | Stomach - Glandular | Thymus |
| Thyroid Gland | Tooth | Trachea | Urinary Bladder |
| Uterus | Vagina | | |

OBSERVATIONS

| | | | |
|------------------------|---------------|--------------|-----------------|
| Intest Large | | | |
| Note: TGL # 3-NCL | | | |
| Intest Small | | | |
| Note: TGL # 2-NCL | | | |
| Nose | Lumen | Hemorrhage | Mild |
| | Mucosa | Inflammation | Acute, Moderate |
| Note: COD-INFLAMMATION | | | |
| Pituitary Gland | Pars Distalis | Angiectasis | Mild |
| Spleen | | Pigmentation | Mild |
| Stomach | Forestomach | Edema | Mild |
| Note: TGL # 1-NCL | | | |
| Tooth | | | |
| Note: TGL # 4-NCL | | | |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:12

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 160

TRT#: 6

SEX: Female

DAY ON TEST: 734

DOSE: 2.5%

DISP: Terminal Sacrifice

HISTO: A85-0459

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 |
| Lymph Node - Mesenteric | Ovary | Parathyroid Gland | Salivary Glands |
| Skin | Stomach - Forestomach | Trachea | Urinary Bladder |
| Uterus | Vagina | | |

OBSERVATIONS

| | | | |
|--------------------|----------------|-----------------------|---------------------|
| Adrenal Gland | Cortex | Degeneration | Fatty, Mild |
| | Cortex | Pigmentation | Minimal |
| Clitoral Gland | | Abscess | Moderate |
| | | Adenoma | |
| | | Inflammation | Chronic, Moderate |
| Heart | | Cardiomyopathy | Chronic, Minimal |
| Kidney | | Nephropathy | Chronic, Minimal |
| | Renal Tubule | Pigmentation | Mild |
| Liver | | Basophilic Focus | |
| | | Leukemia Mononuclear | |
| Lung | Alveolus | Infiltration Cellular | Histiocyte, Minimal |
| Lymph Node | Mandibular | Hyperplasia | Lymphoid, Mild |
| | Mediastinal | Hyperplasia | Lymphoid, Mild |
| Mammary Gland | | Fibroadenoma | |
| Note: FIBROADENOMA | TGLs = 1-13 | | |
| Mesentery | Fat | Necrosis | Marked |
| Note: NECROSIS | TGLs = 3-15 | | |
| Nose | Olfactory Epi | Degeneration | Mild |
| | Respirat Epith | Degeneration | Minimal |
| Pancreas | Acinus | Atrophy | Mild |
| Pituitary Gland | Pars Distalis | Cyst | |
| | Pars Distalis | Hyperplasia | Mild |
| Spleen | | Leukemia Mononuclear | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:12

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 160

TRT#: 6

SEX: Female

DAY ON TEST: 734

DOSE: 2.5%

DISP: Terminal Sacrifice

HISTO: A85-0459

ORGAN AND ACCOUNTABLE SITE STATUS

| | | | |
|--|-------------------|--------------|------|
| Stomach | Glandular, Mucosa | Pigmentation | Mild |
| Thymus | | Dilatation | Mild |
| Thyroid Gland | C Cell | Cyst | |
| Note: ADENOMA IN SLIDE 3. | | Adenoma | |
| Tissue NOS | | | |
| Note: TGL # 1 -"TISSUE, NOS" IS MAMMARY GLAND. | | | |
| Vagina | | | |
| Note: TGL # 2-NCL | | | |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:12

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 161

TRT#: 6

SEX: Female

DAY ON TEST: 734

DOSE: 2.5%

DISP: Terminal Sacrifice

HISTO: A85-0460

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

| | | | |
|--|----------------|------------------|------------------|
| Adrenal Gland | Cortex | Degeneration | Fatty, Mild |
| | Cortex | Hyperplasia | Mild |
| | Cortex | Pigmentation | Minimal |
| Bone | Cranium | Osteopetrosis | Moderate |
| Note: OSTEOPETROSIS | TGLs = 4-13 | | |
| Heart | | Cardiomyopathy | Chronic, Minimal |
| Kidney | Renal Tubule | Nephropathy | Chronic, Mild |
| | | Pigmentation | Mild |
| Liver | | Basophilic Focus | |
| | | Granuloma | Mild |
| | Bile Duct | Hyperplasia | Minimal |
| Lung | Arteriole | Hemorrhage | Minimal |
| | | Mineralization | Mild |
| Note: HEMORRHAGE | TGLs = 3-3+3.1 | | |
| Lymph Node | Mandibular | Hyperplasia | Lymphoid, Mild |
| Note: MEDIASTINAL L. N. - WITHIN NORMAL LIMITS | | | |
| Mammary Gland | Duct | Ectasia | Mild |
| Nose | Olfactory Epi | Degeneration | Mild |
| | Lumen | Hemorrhage | Mild |
| Pancreas | Acinus | Atrophy | Mild |
| Pituitary Gland | Pars Distalis | Angiectasis | Moderate |
| | Pars Distalis | Hyperplasia | Mild |
| Spleen | | Pigmentation | Moderate |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014
Time Report Requested: 08:21:12
First Dose M/F: NA / NA
Lab: SRI

| | | | |
|-----------------------|-------------------------------------|---|---|
| ANIMAL ID: 161 | TRT#: 6 DOSE: 2.5% | SEX: Female DISP: Terminal Sacrifice | DAY ON TEST: 734 HISTO: A85-0460 |
|-----------------------|-------------------------------------|---|---|

| ORGAN AND ACCOUNTABLE SITE STATUS | | | |
|--|--------------------|----------------|--------------|
| Stomach | Glandular, Mucosa | Dilatation | Mild |
| | Glandular | Mineralization | Mild |
| Thyroid Gland | C Cell | Hyperplasia | Mild |
| Uterus | Cervix, Epithelium | Cyst | |
| | Endometrium | Hyperplasia | Cystic, Mild |
| | Endometrium | Polyp Stromal | |
| Note: CYST EPITHELIAL INCLUSION, CERVIX - TGL # 1-14 | | | |
| Note: POLYP STROMAL TGLs = 2-6 | | | |
| Note: CYST TGLs = 1-14 | | | |

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

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:12

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 162

TRT#: 6

SEX: Female

DAY ON TEST: 734

DOSE: 2.5%

DISP: Terminal Sacrifice

HISTO: A85-0461

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|--------------------------|----------------------------|-------------------------|---------------------------|
| Bone | Bone Marrow | Esophagus | Intestine Large - Cecum |
| Intestine Large - Rectum | Intestine Small - Duodenum | Intestine Small - Ileum | Intestine Small - Jejunum |
| Islets, Pancreatic | Lymph Node - Mandibular | Lymph Node - Mesenteric | Ovary |
| Pancreas | Salivary Glands | Stomach - Forestomach | Thymus |
| Thyroid Gland | Trachea | Urinary Bladder | Uterus |

MISSING

| | |
|-------------------------|-------------------|
| Intestine Large - Colon | Parathyroid Gland |
|-------------------------|-------------------|

OBSERVATIONS

| | | | |
|------------------------------------|---------------|-----------------------|---------------------|
| Adrenal Gland | Cortex | Degeneration | Fatty, Mild |
| | Medulla | Pheochromocytoma Nos | |
| | Cortex | Pigmentation | Mild |
| Note: GANGLIONEUROMA (?) - PWG (?) | | | |
| Brain | | Compression | Minimal |
| Clitoral Gland | | Inflammation | Chronic, Minimal |
| Heart | | Cardiomyopathy | Chronic, Mild |
| Kidney | | Nephropathy | Chronic, Mild |
| | Renal Tubule | Pigmentation | Mild |
| Liver | | Fatty Change | Mild |
| | Portal | Inflammation | Chronic, Minimal |
| Lung | Alveolus | Infiltration Cellular | Histiocyte, Minimal |
| Lymph Node | Mediastinal | Hyperplasia | Lymphoid, Mild |
| Mammary Gland | Acinus | Ectasia | Mild |
| | Duct | Ectasia | Mild |
| Note: ECTASIA | TGLs = 1-7 | | |
| Mesentery | Fat | Necrosis | Moderate |
| Note: NECROSIS | TGLs = 3-14 | | |
| Nose | Olfactory Epi | Degeneration | Minimal |
| Pituitary Gland | Pars Distalis | Adenoma | |
| Note: ADENOMA | TGLs = 4-1 | | |
| Skin | Subcut Tiss | Lipoma | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014
Time Report Requested: 08:21:12
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 162

TRT#: 6
DOSE: 2.5%

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 734
HISTO: A85-0461

ORGAN AND ACCOUNTABLE SITE STATUS

Note: LIPOMA TGLs = 2-13

Spleen

Hematopoietic Cell Proliferation

Mild

Pigmentation

Moderate

Stomach

Glandular, Mucosa

Dilatation

Mild

Tissue NOS

Note: TGL # 2 - "TISSUE, NOS" IS SKIN.

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:12

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 163

TRT#: 6

SEX: Female

DAY ON TEST: 640

DOSE: 2.5%

DISP: Moribund

HISTO: A85-0462

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|----------------------------|-------------------------|---------------------------|--------------------------|
| Bone Marrow | Esophagus | Intestine Large - Colon | Intestine Large - Rectum |
| Intestine Small - Duodenum | Intestine Small - Ileum | Intestine Small - Jejunum | Islets, Pancreatic |
| Ovary | Pancreas | Parathyroid Gland | Trachea |
| Urinary Bladder | Vagina | | |

OBSERVATIONS

| | | | |
|----------------------|---------------|-----------------------|----------------------|
| Adrenal Gland | Cortex | Leukemia Mononuclear | |
| | Medulla | Leukemia Mononuclear | |
| | Cortex | Pigmentation | Minimal |
| Bone | Cranium | Osteopetrosis | Mild |
| Note: OSTEOPETROSIS | TGLs = 7-13 | | |
| Brain | | Compression | Mild |
| Clitoral Gland | | Inflammation | Chronic, Mild |
| Heart | | Leukemia Mononuclear | |
| Intestine Large | Cecum | Parasite Metazoan | |
| Kidney | | Leukemia Mononuclear | |
| | Renal Tubule | Nephropathy | Chronic, Mild |
| | | Pigmentation | Moderate |
| Note: PIGMENT | TGLs = 4-5 | | |
| Liver | | Leukemia Mononuclear | |
| Lung | Alveolus | Infiltration Cellular | Histiocyte, Moderate |
| | | Leukemia Mononuclear | |
| | Arteriole | Mineralization | Mild |
| Note: LEUKEMIA MONUC | TGLs = 6-3 | | |
| Lymph Node | Mandibular | Hyperplasia | Lymphoid, Moderate |
| | Mandibular | Leukemia Mononuclear | |
| | Mediastinal | Leukemia Mononuclear | |
| | Mesenteric | Leukemia Mononuclear | |
| Mammary Gland | Duct | Ectasia | Mild |
| Nose | Olfactory Epi | Degeneration | Mild |
| | Lumen | Hemorrhage | Mild |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:12

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 163

TRT#: 6

SEX: Female

DAY ON TEST: 640

DOSE: 2.5%

DISP: Moribund

HISTO: A85-0462

ORGAN AND ACCOUNTABLE SITE STATUS

| | | | |
|---|-------------------|----------------------|--------------|
| Pituitary Gland Note: ADENOMA TGLs = 8-1 | Pars Distalis | Adenoma | |
| Salivary Glands Note: LEUKEMIA MONUC TGLs = 2-7 | | Leukemia Mononuclear | |
| Skeletal Muscle | | Leukemia Mononuclear | |
| Skin Note: LEUKEMIA MONUC TGLs = 1-14 Note: COD-LEUKEMIA, MONUC | | Leukemia Mononuclear | |
| Spleen Note: LEUKEMIA MONUC TGLs = 5-2 | | Leukemia Mononuclear | |
| Stomach | Glandular, Mucosa | Dilatation | Minimal |
| | Forestomach | Mineralization | Minimal |
| Thymus | | Leukemia Mononuclear | |
| Thyroid Gland | C Cell | Hyperplasia | Mild |
| | | Leukemia Mononuclear | |
| Uterus | Endometrium | Hyperplasia | Cystic, Mild |
| Vagina Note: TGL # 3 - NCL | | | |
| PRIMARY CAUSE OF DEATH | - | | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:12

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 164

TRT#: 6

SEX: Female

DAY ON TEST: 734

DOSE: 2.5%

DISP: Terminal Sacrifice

HISTO: A85-0463

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

| | | | |
|-----------------|-------------------|----------------------------------|--------------------|
| Adrenal Gland | Cortex | Angiectasis | Moderate |
| | Cortex | Hyperplasia | Mild |
| | Cortex | Pigmentation | Minimal |
| Eye | | Cataract | Moderate |
| | Retina | Degeneration | Marked |
| Note: DEGEN | TGLs = 1-13 | | |
| Note: CATARACT | TGLs = 1-13 | | |
| Heart | | Cardiomyopathy | Chronic, Minimal |
| Kidney | | Nephropathy | Chronic, Mild |
| | Renal Tubule | Pigmentation | Mild |
| Liver | | Basophilic Focus | |
| | Bile Duct | Hyperplasia | Minimal |
| Lung | Interstitialium | Inflammation | Chronic, Mild |
| Lymph Node | Mesenteric | Hyperplasia | Lymphoid, Moderate |
| Nose | Olfactory Epi | Degeneration | Mild |
| | Respirat Epith | Degeneration | Minimal |
| Pancreas | Acinus | Atrophy | Mild |
| Pituitary Gland | Pars Distalis | Hyperplasia | Mild |
| Spleen | | Hematopoietic Cell Proliferation | Mild |
| | | Pigmentation | Mild |
| Stomach | Glandular, Mucosa | Dilatation | Minimal |
| Thyroid Gland | C Cell | Hyperplasia | Minimal |
| Uterus | Endometrium | Hyperplasia | Cystic, Minimal |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:12

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 164

TRT#: 6

SEX: Female

DAY ON TEST: 734

DOSE: 2.5%

DISP: Terminal Sacrifice

HISTO: A85-0463

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:12

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 165

TRT#: 6

SEX: Female

DAY ON TEST: 532

DOSE: 2.5%

DISP: Moribund

HISTO: A85-0464

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

| | | | |
|---|-------------------|----------------------------------|------------------|
| Heart | | Cardiomyopathy | Chronic, Minimal |
| Kidney | Renal Tubule | Pigmentation | Mild |
| Liver | | Basophilic Focus | |
| Lung | Arteriole | Mineralization | Mild |
| Lymph Node | Mediastinal | Congestion | Mild |
| Mammary Gland | | Fibroadenoma | |
| Note: FIBROADENOMA TGLs = 1-13 | | | |
| Nose | Olfactory Epi | Degeneration | Mild |
| | Respirat Epith | Degeneration | Minimal |
| | Nasolacrim Dct | Inflammation | Acute, Mild |
| Pituitary Gland | Pars Distalis | Cyst | |
| | Pars Distalis | Hyperplasia | Minimal |
| Spleen | | Hematopoietic Cell Proliferation | Moderate |
| Stomach | Glandular, Mucosa | Dilatation | Mild |
| Thymus | | Cyst | |
| Tissue NOS | | | |
| Note: TGL # 1 - "TISSUE, NOS" IS MAMMARY GLAND. | | | |
| Uterus | | Ectasia | Mild |

PRIMARY CAUSE OF DEATH -

Animal Note: COD-UNKNOWN

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:12

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 166

TRT#: 6

SEX: Female

DAY ON TEST: 734

DOSE: 2.5%

DISP: Terminal Sacrifice

HISTO: A85-0465

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

| | | | |
|---------------------|---------------|-----------------------|---------------------|
| Adrenal Gland | Cortex | Degeneration | Fatty, Minimal |
| | Cortex | Hyperplasia | Mild |
| | Medulla | Pheochromocytoma Nos | |
| | Cortex | Pigmentation | Minimal |
| Note: PHEOCHROM NOS | TGLs = 1-8 | | |
| Heart | | Cardiomyopathy | Chronic, Mild |
| Intestine Large | Colon | Parasite Metazoan | |
| Kidney | | Nephropathy | Chronic, Marked |
| | Renal Tubule | Pigmentation | Mild |
| | | Basophilic Focus | |
| Liver | | Granuloma | Mild |
| | Bile Duct | Hyperplasia | Minimal |
| | Portal | Inflammation | Chronic, Minimal |
| | | Infiltration Cellular | Histiocyte, Minimal |
| Lung | Alveolus | | |
| Lymph Node | Mandibular | Hyperplasia | Lymphoid, Mild |
| Mammary Gland | Acinus | Ectasia | Mild |
| | Duct | Ectasia | Mild |
| Note: ECTASIA | TGLs = 2-7+8 | | |
| Nose | Olfactory Epi | Degeneration | Mild |
| | Lumen | Hemorrhage | Mild |
| Pancreas | Acinus | Atrophy | Mild |
| Pituitary Gland | Pars Distalis | Adenoma | |
| | Pars Distalis | Hyperplasia | Mild |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:12

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 166

TRT#: 6

SEX: Female

DAY ON TEST: 734

DOSE: 2.5%

DISP: Terminal Sacrifice

HISTO: A85-0465

ORGAN AND ACCOUNTABLE SITE STATUS

Spleen

Hematopoietic Cell Proliferation

Mild

Pigmentation

Mild

Stomach

Glandular, Mucosa

Dilatation

Mild

Glandular

Mineralization

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:12

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 167

TRT#: 6

SEX: Female

DAY ON TEST: 734

DOSE: 2.5%

DISP: Terminal Sacrifice

HISTO: A85-0466

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

| | | | |
|---|-------------------|----------------------------------|------------------|
| Adrenal Gland | Cortex | Degeneration | Fatty, Mild |
| | Cortex | Hyperplasia | Mild |
| | Cortex | Pigmentation | Minimal |
| Heart | | Cardiomyopathy | Chronic, Mild |
| Intestine Large | Rectum | Parasite Metazoan | |
| Kidney | | Nephropathy | Chronic, Minimal |
| | Renal Tubule | Pigmentation | Mild |
| Liver | | Basophilic Focus | |
| | | Hematopoietic Cell Proliferation | Mild |
| | Bile Duct | Hyperplasia | Minimal |
| Lymph Node | Mandibular | Hyperplasia | Lymphoid, Mild |
| Mammary Gland | | Fibroadenoma | |
| Note: FIBROADENOMA | TGLs = 1-13 | | |
| Nose | Olfactory Epi | Degeneration | Mild |
| | Respirat Epith | Degeneration | Minimal |
| | Lumen | Hemorrhage | Mild |
| | Nasolacrim Dct | Inflammation | Acute, Mild |
| Pituitary Gland | Pars Distalis | Adenoma | |
| Spleen | | Hematopoietic Cell Proliferation | Mild |
| Stomach | Glandular, Mucosa | Dilatation | Mild |
| Tissue NOS | | | |
| Note: TGL # 1 - "TISSUE, NOS" IS MAMMARY GLAND. | | | |
| Uterus | Endometrium | Polyp Stromal | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:12

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 167

TRT#: 6

SEX: Female

DAY ON TEST: 734

DOSE: 2.5%

DISP: Terminal Sacrifice

HISTO: A85-0466

ORGAN AND ACCOUNTABLE SITE STATUS

Note: POLYP STROMAL TGLs = 2-6

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:12

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 168

TRT#: 6

SEX: Female

DAY ON TEST: 734

DOSE: 2.5%

DISP: Terminal Sacrifice

HISTO: A85-0467

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla
Clitoral Gland
Intestine Small - Duodenum
Ovary
Stomach - Forestomach
Uterus

Bone
Esophagus
Intestine Small - Ileum
Parathyroid Gland
Thymus

Bone Marrow
Intestine Large - Cecum
Intestine Small - Jejunum
Salivary Glands
Trachea

Brain
Intestine Large - Colon
Islets, Pancreatic
Skin
Urinary Bladder

OBSERVATIONS

Adrenal Gland
Heart
Intestine Large
Kidney

Cortex

Rectum

Renal Tubule

Hyperplasia
Cardiomyopathy
Parasite Metazoan
Nephropathy
Pigmentation
Basophilic Focus
Granuloma
Hematopoietic Cell Proliferation
Hyperplasia
Inflammation
Infiltration Cellular
Mineralization
Hyperplasia
Hyperplasia
Ectasia
Ectasia
Fibroadenoma

Mild
Chronic, Mild

Chronic, Mild
Mild

Mild
Mild
Minimal
Chronic, Mild
Histiocyte, Minimal
Mild
Lymphoid, Mild
Lymphoid, Mild
Moderate
Moderate

Note: FIBROADENOMA TGLs = 1,2-13+14

Note: ECTASIA TGLs = 3-15

Nose

Pancreas
Pituitary Gland

Olfactory Epi
Lumen
Acinus
Pars Distalis

Degeneration
Hemorrhage
Atrophy
Adenoma

Mild
Mild
Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:12

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 168

TRT#: 6

SEX: Female

DAY ON TEST: 734

DOSE: 2.5%

DISP: Terminal Sacrifice

HISTO: A85-0467

ORGAN AND ACCOUNTABLE SITE STATUS

| | | | |
|---|-------------------|---|--------------------------------|
| Spleen | Pars Distalis | Cyst Hematopoietic Cell Proliferation Hyperplasia Pigmentation | Mild Lymphoid, Mild Mild |
| Stomach | Glandular, Mucosa | Dilatation | Mild |
| Thyroid Gland | C Cell | Adenoma | |
| Note: ADENOMA | TGLs = 4-3 | | |
| Tissue NOS | | | |
| Note: TGL # 1,2 - "TISSUE, NOS" IS MAMMARY GLAND. | | | |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:12

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 169

TRT#: 6

SEX: Female

DAY ON TEST: 610

DOSE: 2.5%

DISP: Moribund

HISTO: A85-0468

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

| | | | |
|----------------------|-----------------------|----------------------------------|---------------------|
| Adrenal Gland | Cortex | Angiectasis | Mild |
| | Cortex | Hyperplasia | Mild |
| | Medulla | Pheochromocytoma Nos | |
| Brain | | Compression | Mild |
| Note: COMPRESSION | TGLs = 9-1 | | |
| Clitoral Gland | | Inflammation | Chronic, Mild |
| Intestine Large | Rectum | Parasite Metazoan | |
| Kidney | Renal Tubule | Pigmentation | Mild |
| Liver | | Basophilic Focus | |
| | | Developmental Malformation | |
| | | Hematopoietic Cell Proliferation | Minimal |
| Note: DEVELOP MALFOR | TGLs = 6-17 | | |
| Lung | | Congestion | Mild |
| | | Hemorrhage | Mild |
| | Alveolus | Infiltration Cellular | Histiocyte, Minimal |
| Note: CONGESTION | TGLs = 7-3 | | |
| Lymph Node | Mediastinal | Congestion | Mild |
| Mammary Gland | Duct | Ectasia | Mild |
| | | Fibroadenoma | |
| Note: FIBROADENOMA | TGLs = 2,3,4-13+14+15 | | |
| Note: ECTASIA | TGLs = 1-7 | | |
| Nose | Olfactory Epi | Degeneration | Mild |
| Pituitary Gland | Pars Distalis | Adenoma | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:12

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 169

TRT#: 6

SEX: Female

DAY ON TEST: 610

DOSE: 2.5%

DISP: Moribund

HISTO: A85-0468

ORGAN AND ACCOUNTABLE SITE STATUS

Note: ADENOMA TGLs = 8-1

Note: COD-ADENOMA

Spleen

Hematopoietic Cell Proliferation

Mild

Pigmentation

Mild

Stomach

Glandular, Mucosa

Dilatation

Mild

Tissue NOS

Note: TGL # 2,3,4 - "TISSUE, NOS" IS MAMMARY GLAND.

Uterus

Endometrium

Polyp Stromal

Note: POLYP STROMAL TGLs = 5-16

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:12

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 170

TRT#: 6

SEX: Female

DAY ON TEST: 734

DOSE: 2.5%

DISP: Terminal Sacrifice

HISTO: A85-0469

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 | Lymph Node - Mandibular |
| Ovary | Pancreas | Salivary Glands | Stomach - Forestomach |
| Thymus | Trachea | Urinary Bladder | |

MISSING

Parathyroid Gland

OBSERVATIONS

| | | | |
|--|----------------|-----------------------|---------------------|
| Adrenal Gland | Medulla | Hyperplasia | Mild |
| | Cortex | Pigmentation | Minimal |
| Clitoral Gland | | Adenoma | |
| Note: ADENOMA | TGLs = 2-8 | | |
| Heart | | Cardiomyopathy | Chronic, Mild |
| Kidney | | Nephropathy | Chronic, Moderate |
| | Renal Tubule | Pigmentation | Mild |
| Liver | | Basophilic Focus | |
| | Bile Duct | Hyperplasia | Minimal |
| Lung | Alveolus | Infiltration Cellular | Histiocyte, Minimal |
| | Arteriole | Mineralization | Mild |
| Lymph Node | Mesenteric | Hyperplasia | Lymphoid, Mild |
| Note: MEDIASTINAL L. N. - WITHIN NORMAL LIMITS | | | |
| Mammary Gland | Acinus | Ectasia | Mild |
| | Duct | Ectasia | Mild |
| | | Fibroadenoma | |
| Note: FIBROADENOMA | TGLs = 3-14 | | |
| Note: ECTASIA | TGLs = 4-7 | | |
| Nose | Olfactory Epi | Degeneration | Mild |
| | Respirat Epith | Degeneration | Mild |
| Pituitary Gland | Pars Distalis | Adenoma | |
| | Pars Distalis | Cyst | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:12

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 170

TRT#: 6

SEX: Female

DAY ON TEST: 734

DOSE: 2.5%

DISP: Terminal Sacrifice

HISTO: A85-0469

ORGAN AND ACCOUNTABLE SITE STATUS

| | | | | |
|---|-------------|-------------------|----------------------------------|--------------|
| Note: ADENOMA | TGLs = 6-1 | | | |
| Skin | | Subcut Tiss | Fibroma | |
| Note: FIBROMA | TGLs = 1-13 | | | |
| Spleen | | | Hematopoietic Cell Proliferation | Mild |
| | | | Pigmentation | Mild |
| Stomach | | Glandular, Mucosa | Dilatation | Mild |
| Thyroid Gland | | C Cell | Adenoma | |
| Note: ADENOMA | TGLs = 5-3 | | | |
| Tissue NOS | | | | |
| Note: TGL # 1 - "TISSUE, NOS" = SKIN & MAMMARY GLAND. | | | | |
| Uterus | | Endometrium | Hyperplasia | Cystic, Mild |
| PRIMARY CAUSE OF DEATH | | - | | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:12

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 176

TRT#: 6

SEX: Female

DAY ON TEST: 734

DOSE: 2.5%

DISP: Terminal Sacrifice

HISTO: A85-0475

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|----------------------------|-------------------------|---------------------------|--------------------------|
| Adrenal Gland - Medulla | Bone | Bone Marrow | Clitoral Gland |
| Esophagus | Intestine Large - Cecum | Intestine Large - Colon | Intestine Large - Rectum |
| Intestine Small - Duodenum | Intestine Small - Ileum | Intestine Small - Jejunum | Islets, Pancreatic |
| Lymph Node - Mandibular | Ovary | Pancreas | Parathyroid Gland |
| Salivary Glands | Skin | Trachea | Urinary Bladder |
| Uterus | | | |

MISSING

Thymus

OBSERVATIONS

| | | | |
|--------------------------------|----------------|----------------------------------|------------------|
| Adrenal Gland | Cortex | Degeneration | Fatty, Mild |
| Brain | | Compression | Mild |
| Heart | | Cardiomyopathy | Chronic, Minimal |
| Kidney | | Nephropathy | Chronic, Mild |
| | Renal Tubule | Pigmentation | Mild |
| Liver | | Basophilic Focus | |
| | | Hematopoietic Cell Proliferation | Mild |
| | Portal | Inflammation | Chronic, Mild |
| Lung | Arteriole | Mineralization | Mild |
| Note: TGL # 3 - NCL | | | |
| Lymph Node | Mediastinal | Congestion | Mild |
| | Mesenteric | Hyperplasia | Lymphoid, Mild |
| Mammary Gland | Acinus | Ectasia | Moderate |
| | Duct | Ectasia | Moderate |
| | | Fibroadenoma | |
| Note: FIBROADENOMA TGLs = 2-13 | | | |
| Note: ECTASIA TGLs = 1-7 | | | |
| Nose | Olfactory Epi | Degeneration | Mild |
| | Respirat Epith | Degeneration | Minimal |
| | Lumen | Hemorrhage | Mild |
| Pituitary Gland | Pars Distalis | Adenoma | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:12

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 176

TRT#: 6

SEX: Female

DAY ON TEST: 734

DOSE: 2.5%

DISP: Terminal Sacrifice

HISTO: A85-0475

ORGAN AND ACCOUNTABLE SITE STATUS

Note: ADENOMA TGLs = 4-1

| | | | |
|---------------|-------------------|----------------------------------|----------|
| Spleen | | Hematopoietic Cell Proliferation | Moderate |
| | | Pigmentation | Mild |
| Stomach | Glandular, Mucosa | Dilatation | Mild |
| | Forestomach | Mineralization | Mild |
| | Glandular | Mineralization | Mild |
| Thyroid Gland | C Cell | Hyperplasia | Mild |

Tissue NOS

Note: TGL # 2 - "TISSUE, NOS" IS MAMMARY GLAND.

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:12

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 177

TRT#: 6

SEX: Female

DAY ON TEST: 734

DOSE: 2.5%

DISP: Terminal Sacrifice

HISTO: A85-0476

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla
Intestine Large - Cecum
Ovary
Stomach - Forestomach
Uterus

Bone
Intestine Small - Duodenum
Parathyroid Gland
Stomach - Glandular

Bone Marrow
Intestine Small - Ileum
Salivary Glands
Trachea

Esophagus
Intestine Small - Jejunum
Skin
Urinary Bladder

OBSERVATIONS

Adrenal Gland

Cortex
Cortex
Cortex

Angiectasis
Degeneration
Pigmentation

Moderate
Fatty, Mild
Mild

Brain

Compression

Mild

Clitoral Gland

Inflammation

Chronic Active, Mild

Heart

Inflammation

Chronic, Mild

Intestine Large

Cardiomyopathy

Chronic, Mild

Colon
Rectum

Parasite Metazoan
Parasite Metazoan

Islets, Pancreatic

Adenoma

Kidney

Nephropathy

Chronic, Mild

Renal Tubule

Pigmentation

Mild

Liver

Basophilic Focus

Bile Duct

Hyperplasia

Minimal

Portal

Inflammation

Chronic, Mild

Lung

Alveolar Epith

Hyperplasia

Mild

Alveolus

Infiltration Cellular

Histiocyte, Minimal

Lymph Node

Mesenteric

Congestion

Mild

Mandibular

Hyperplasia

Lymphoid, Mild

Mammary Gland

Acinus

Ectasia

Mild

Duct

Ectasia

Mild

Fibroadenoma

Note: ECTASIA TGLs = 1-7

Note: FIBROADENOMA TGLs = 1,2-7+13

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:12

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 177

TRT#: 6

SEX: Female

DAY ON TEST: 734

DOSE: 2.5%

DISP: Terminal Sacrifice

HISTO: A85-0476

ORGAN AND ACCOUNTABLE SITE STATUS

| | | | |
|---|---------------|----------------------------------|------|
| Nose | Olfactory Epi | Degeneration | Mild |
| | Lumen | Hemorrhage | Mild |
| Pancreas | Acinus | Atrophy | Mild |
| Pituitary Gland | Pars Distalis | Adenoma | |
| Note: ADENOMA | TGLs = 3-1 | | |
| Spleen | | Hematopoietic Cell Proliferation | Mild |
| | | Pigmentation | Mild |
| Thymus | | Cyst | |
| Thyroid Gland | Follicle | Ectasia | Mild |
| | C Cell | Hyperplasia | Mild |
| Tissue NOS | | | |
| Note: TGL # 2 - "TISSUE, NOS" IS MAMMARY GLAND. | | | |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:12

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 178

TRT#: 6

SEX: Female

DAY ON TEST: 323

DOSE: 2.5%

DISP: Dead

HISTO: A83028928

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|---------------------------|--------------------------|----------------------------|-------------------------|
| Adrenal Gland - Medulla | Bone | Bone Marrow | Clitoral Gland |
| Esophagus | Intestine Large - Rectum | Intestine Small - Duodenum | Intestine Small - Ileum |
| Intestine Small - Jejunum | Islets, Pancreatic | Lymph Node - Mandibular | Lymph Node - Mesenteric |
| Mammary Gland | Nose | Ovary | Pancreas |
| Pituitary Gland | Salivary Glands | Skin | Stomach - Forestomach |
| Stomach - Glandular | Thyroid Gland | Trachea | Urethra |
| Urinary Bladder | Uterus | Zymbal's Gland | |

MISSING

| | |
|-------------------------|-------------------|
| Intestine Large - Cecum | Parathyroid Gland |
|-------------------------|-------------------|

OBSERVATIONS

| | | | |
|----------------------------------|--------|----------------------------------|---------------|
| Adrenal Gland | Cortex | Hemorrhage | Moderate |
| Brain | | Oligodendroglioma Malignant | |
| Note: OLIGODENDR MAL TGLs = 2-1 | | | |
| Note: COD-OLIGODENDR MAL | | | |
| Heart | | Cardiomyopathy | Chronic, Mild |
| Intestine Large | Colon | Parasite Metazoan | |
| Kidney | | Congestion | Mild |
| Liver | | Developmental Malformation | |
| Note: DEVELOP MALFOR TGLs = 1-21 | | | |
| Lung | | Congestion | Moderate |
| Spleen | | Hematopoietic Cell Proliferation | Mild |
| | | Pigmentation | Mild |
| Thymus | | Congestion | Marked |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:12

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 179

TRT#: 6

SEX: Female

DAY ON TEST: 646

DOSE: 2.5%

DISP: Moribund

HISTO: A85-0478

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|----------------------------|-------------------------|---------------------------|-------------------------|
| Adrenal Gland - Medulla | Bone | Bone Marrow | Brain |
| Clitoral Gland | Esophagus | Intestine Large - Cecum | Intestine Large - Colon |
| Intestine Small - Duodenum | Intestine Small - Ileum | Intestine Small - Jejunum | Islets, Pancreatic |
| Lymph Node - Mesenteric | Ovary | Salivary Glands | Skin |
| Stomach - Forestomach | Thymus | Thyroid Gland | Trachea |
| Uterus | | | |

MISSING

Parathyroid Gland

OBSERVATIONS

| | | | |
|--------------------|----------------|----------------------------------|-------------------|
| Adrenal Gland | Cortex | Degeneration | Fatty, Mild |
| | Cortex | Hyperplasia | Mild |
| | Cortex | Pigmentation | Minimal |
| Heart | | Cardiomyopathy | Chronic, Mild |
| Intestine Large | Rectum | Parasite Metazoan | |
| Kidney | Pelvis | Inflammation | Chronic, Moderate |
| | | Nephropathy | Chronic, Mild |
| | Renal Tubule | Pigmentation | Mild |
| Liver | | Basophilic Focus | |
| | | Hematopoietic Cell Proliferation | Minimal |
| Lung | | Alveolar/Bronchiolar Adenoma | |
| | Alveolar Epith | Hyperplasia | Mild |
| Lymph Node | Mandibular | Hyperplasia | Lymphoid, Mild |
| Mammary Gland | Duct | Ectasia | Mild |
| | | Fibroadenoma | |
| Note: FIBROADENOMA | TGLs = 1-13 | | |
| Nose | Olfactory Epi | Degeneration | Mild |
| Pancreas | Acinus | Atrophy | Minimal |
| Pituitary Gland | Pars Distalis | Cyst | |
| | Pars Distalis | Hyperplasia | Minimal |
| Spleen | | Hematopoietic Cell Proliferation | Mild |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014

Time Report Requested: 08:21:13

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 180

TRT#: 6

SEX: Female

DAY ON TEST: 716

DOSE: 2.5%

DISP: Moribund

HISTO: A85-0479

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla
Intestine Large - Cecum
Intestine Small - Jejunum
Pancreas
Stomach - Forestomach
Urinary Bladder

Bone Marrow
Intestine Large - Colon
Islets, Pancreatic
Parathyroid Gland
Stomach - Glandular

Brain
Intestine Small - Duodenum
Lymph Node - Mesenteric
Salivary Glands
Thymus

Esophagus
Intestine Small - Ileum
Ovary
Skin
Trachea

OBSERVATIONS

Adrenal Gland

Cortex

Degeneration

Fatty, Mild

Cortex

Hyperplasia

Mild

Cortex

Pigmentation

Minimal

Bone

Cranium

Osteopetrosis

Moderate

Note: OSTEOPETROSIS TGLs = 6-15

Clitoral Gland

Inflammation

Chronic, Moderate

Inflammation

Chronic Active, Marked

Note: INFLAMMATION TGLs = 1,2-8+8.1

Heart

Cardiomyopathy

Chronic, Mild

Intestine Large

Rectum

Parasite Metazoan

Kidney

Nephropathy

Chronic, Minimal

Renal Tubule

Pigmentation

Mild

Liver

Basophilic Focus

Developmental Malformation

Hematopoietic Cell Proliferation

Mild

Portal

Inflammation

Chronic, Mild

Note: DEVELOP MALFOR TGLs = 5-14

Lung

Alveolus

Infiltration Cellular

Histiocyte, Minimal

Arteriole

Mineralization

Minimal

Lymph Node

Mediastinal

Congestion

Mild

Mandibular

Hyperplasia

Lymphoid, Mild

Mammary Gland

Acinus

Ectasia

Mild

Duct

Ectasia

Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05007-06
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Polysorbate 80 (glycol)

Date Report Requested: 10/17/2014
Time Report Requested: 08:21:13
First Dose M/F: NA / NA
Lab: SRI

| | | | |
|-----------------------|-------------------------------------|---|---|
| ANIMAL ID: 180 | TRT#: 6 DOSE: 2.5% | SEX: Female DISP: Moribund | DAY ON TEST: 716 HISTO: A85-0479 |
|-----------------------|-------------------------------------|---|---|

ORGAN AND ACCOUNTABLE SITE STATUS

| | | | |
|---|----------------|----------------------------------|-----------------|
| | | Fibroadenoma | |
| Note: FIBROADENOMA | TGLs = 4-13 | | |
| Note: ECTASIA | TGLs = 3-7 | | |
| Nose | Olfactory Epi | Degeneration | Mild |
| | Respirat Epith | Degeneration | Minimal |
| Pituitary Gland | Pars Distalis | Adenoma | |
| | Pars Distalis | Cyst | |
| | Pars Distalis | Hyperplasia | Mild |
| Spleen | | Hematopoietic Cell Proliferation | Moderate |
| Thyroid Gland | C Cell | Hyperplasia | Mild |
| Tissue NOS | | | |
| Note: TGL # 4 - "TISSUE, NOS" IS MAMMARY GLAND. | | | |
| Uterus | Endometrium | Hyperplasia | Cystic, Minimal |

PRIMARY CAUSE OF DEATH

-

Animal Note: COD-UNKNOWN

**** END OF REPORT ****

* PROTOCOL REQUIRED TISSUE