

Experiment Number: 99930-96
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Endocrine disruptor (Genistein)
CAS Number: 446-72-0

Date Report Requested: 10/19/2014
Time Report Requested: 04:27:02
First Dose M/F: NA / NA
Lab: NCTR

| | |
|-----------------------------|--------------|
| C Number: | MG96005 |
| 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 | NONE |

Experiment Number: 99930-96
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Endocrine disruptor (Genistein)
CAS Number: 446-72-0

Date Report Requested: 10/19/2014
Time Report Requested: 04:27:02
First Dose M/F: NA / NA
Lab: NCTR

| | | | |
|-----------------------|-----------------------|---------------------------------|---------------------------|
| ANIMAL ID: 770 | TRT#: 5 | SEX: Male | DAY ON TEST: 161 |
| | DOSE: F3 0 PPM | DISP: Terminal Sacrifice | HISTO: 21320100770 |

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|-----------------------|-----------------|---------------|-----------------|
| Adrenal Cortex | Adrenal Medulla | Bone Marrow | Bone, Femur |
| Coagulating Gland | Epididymis | Mammary Gland | Pituitary Gland |
| Prostate, Dorsal Lobe | Rete Testes | Skin | Spleen |
| Testes | Thymus | Thyroid Gland | |

OBSERVATIONS

| | | |
|------------------------|--------------|------------------|
| Kidney | Inflammation | Chronic, Minimal |
| Liver | Inflammation | Chronic, Minimal |
| Prostate, Ventral Lobe | Inflammation | Chronic, Mild |
| Seminal Vesicle | Dilatation | Mild |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99930-96
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Endocrine disruptor (Genistein)
CAS Number: 446-72-0

Date Report Requested: 10/19/2014
Time Report Requested: 04:27:02
First Dose M/F: NA / NA
Lab: NCTR

| | | | |
|-----------------------|-----------------------|---------------------------------|---------------------------|
| ANIMAL ID: 771 | TRT#: 5 | SEX: Male | DAY ON TEST: 161 |
| | DOSE: F3 0 PPM | DISP: Terminal Sacrifice | HISTO: 21320100771 |

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|-------------------|-----------------------|------------------------|-----------------|
| Adrenal Cortex | Adrenal Medulla | Bone Marrow | Bone, Femur |
| Coagulating Gland | Epididymis | Mammary Gland | Pituitary Gland |
| Prostate | Prostate, Dorsal Lobe | Prostate, Ventral Lobe | Rete Testes |
| Skin | Spleen | Testes | Thymus |
| Thyroid Gland | | | |

OBSERVATIONS

| | | | |
|-----------------|--------------|---------------------------|------------------|
| Kidney | Renal Tubule | Dilatation | Mild |
| | | Inflammation | Chronic, Minimal |
| | Renal Tubule | Regeneration | Minimal |
| Liver | | Inflammation | Chronic, Minimal |
| | | Vacuolization Cytoplasmic | Minimal |
| Seminal Vesicle | | Dilatation | Mild |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99930-96
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Endocrine disruptor (Genistein)
CAS Number: 446-72-0

Date Report Requested: 10/19/2014
Time Report Requested: 04:27:02
First Dose M/F: NA / NA
Lab: NCTR

| | | | |
|-----------------------|-----------------------|---------------------------------|---------------------------|
| ANIMAL ID: 772 | TRT#: 5 | SEX: Male | DAY ON TEST: 161 |
| | DOSE: F3 0 PPM | DISP: Terminal Sacrifice | HISTO: 21320100772 |

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|-------------------|-----------------------|------------------------|-----------------|
| Adrenal Cortex | Adrenal Medulla | Bone Marrow | Bone, Femur |
| Coagulating Gland | Epididymis | Mammary Gland | Pituitary Gland |
| Prostate | Prostate, Dorsal Lobe | Prostate, Ventral Lobe | Rete Testes |
| Seminal Vesicle | Skin | Spleen | Testes |
| Thymus | Thyroid Gland | | |

OBSERVATIONS

| | | | |
|--------|--------------|--------------|------------------|
| Kidney | Renal Tubule | Dilatation | Moderate |
| | | Inflammation | Chronic, Mild |
| | Renal Tubule | Regeneration | Mild |
| Liver | | Inflammation | Chronic, Minimal |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99930-96
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Endocrine disruptor (Genistein)
CAS Number: 446-72-0

Date Report Requested: 10/19/2014
Time Report Requested: 04:27:02
First Dose M/F: NA / NA
Lab: NCTR

| | | | |
|-----------------------|-----------------------|---------------------------------|---------------------------|
| ANIMAL ID: 773 | TRT#: 5 | SEX: Male | DAY ON TEST: 160 |
| | DOSE: F3 0 PPM | DISP: Terminal Sacrifice | HISTO: 21320100773 |

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|-------------------|-----------------|---------------|-----------------|
| Adrenal Cortex | Adrenal Medulla | Bone Marrow | Bone, Femur |
| Coagulating Gland | Epididymis | Mammary Gland | Pituitary Gland |
| Rete Testes | Skin | Spleen | Testes |
| Thymus | Thyroid Gland | | |

OBSERVATIONS

| | | | |
|------------------------|--------------|--------------|----------------------|
| Kidney | Renal Tubule | Dilatation | Minimal |
| | | Inflammation | Chronic, Minimal |
| Liver | | Inflammation | Chronic, Minimal |
| Prostate, Dorsal Lobe | | Inflammation | Chronic, Minimal |
| | | Inflammation | Suppurative, Mild |
| Prostate, Ventral Lobe | | Inflammation | Chronic, Mild |
| | | Inflammation | Suppurative, Minimal |
| Seminal Vesicle | | Dilatation | Mild |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99930-96
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Endocrine disruptor (Genistein)
CAS Number: 446-72-0

Date Report Requested: 10/19/2014
Time Report Requested: 04:27:02
First Dose M/F: NA / NA
Lab: NCTR

| | | | |
|-----------------------|-----------------------------|---------------------------------|---------------------------|
| ANIMAL ID: 774 | TRT#: 6 | SEX: Male | DAY ON TEST: 161 |
| | DOSE: F3/5PPM TO CTL | DISP: Terminal Sacrifice | HISTO: 21320100774 |

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|-----------------------------|------------|-------------|-----------------|
| Coagulating Gland Testes | Epididymis | Rete Testes | Seminal Vesicle |
|-----------------------------|------------|-------------|-----------------|

OBSERVATIONS

| | | | |
|------------------------|----------|--------------|----------------------|
| Mammary Gland | Alveolus | Hyperplasia | Minimal |
| Prostate, Dorsal Lobe | | Inflammation | Suppurative, Minimal |
| Prostate, Ventral Lobe | | Inflammation | Chronic, Minimal |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99930-96
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Endocrine disruptor (Genistein)
CAS Number: 446-72-0

Date Report Requested: 10/19/2014
Time Report Requested: 04:27:02
First Dose M/F: NA / NA
Lab: NCTR

| | | | |
|-----------------------|-----------------------------|---------------------------------|---------------------------|
| ANIMAL ID: 775 | TRT#: 6 | SEX: Male | DAY ON TEST: 161 |
| | DOSE: F3/5PPM TO CTL | DISP: Terminal Sacrifice | HISTO: 21320100775 |

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|-------------------|------------|------------------------|-------------|
| Coagulating Gland | Epididymis | Prostate, Ventral Lobe | Rete Testes |
| Seminal Vesicle | Testes | | |

OBSERVATIONS

| | | | |
|-----------------------------------|----------|--------------|----------------------|
| Kidney | | | |
| Note: TGL # 01 - NO SECTION TAKEN | | | |
| Mammary Gland | Alveolus | Hyperplasia | Minimal |
| Prostate, Dorsal Lobe | | Inflammation | Suppurative, Minimal |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99930-96
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Endocrine disruptor (Genistein)
CAS Number: 446-72-0

Date Report Requested: 10/19/2014
Time Report Requested: 04:27:02
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 776

TRT#: 6

SEX: Male

DAY ON TEST: 161

DOSE: F3/5PPM TO CTL

DISP: Terminal Sacrifice

HISTO: 21320100776

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Coagulating Gland
Seminal Vesicle

Epididymis
Testes

Mammary Gland

Rete Testes

OBSERVATIONS

Prostate, Dorsal Lobe
Prostate, Ventral Lobe

Inflammation
Inflammation

Chronic, Minimal
Chronic, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99930-96
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Endocrine disruptor (Genistein)
CAS Number: 446-72-0

Date Report Requested: 10/19/2014
Time Report Requested: 04:27:02
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 777

TRT#: 6

SEX: Male

DAY ON TEST: 161

DOSE: F3/5PPM TO CTL

DISP: Terminal Sacrifice

HISTO: 21320100777

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Coagulating Gland
Prostate, Dorsal Lobe
Testes

Epididymis
Prostate, Ventral Lobe

Mammary Gland
Rete Testes

Prostate
Seminal Vesicle

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99930-96
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Endocrine disruptor (Genistein)
CAS Number: 446-72-0

Date Report Requested: 10/19/2014
Time Report Requested: 04:27:02
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 778

TRT#: 6

SEX: Male

DAY ON TEST: 161

DOSE: F3/5PPM TO CTL

DISP: Terminal Sacrifice

HISTO: 21320100778

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Coagulating Gland
Prostate, Dorsal Lobe
Testes

Epididymis
Prostate, Ventral Lobe

Mammary Gland
Rete Testes

Prostate
Seminal Vesicle

OBSERVATIONS

Kidney
[Cyst TGLS = 1-3]

Capsule, Fat

Cyst

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99930-96
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Endocrine disruptor (Genistein)
CAS Number: 446-72-0

Date Report Requested: 10/19/2014
Time Report Requested: 04:27:02
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 779

TRT#: 6

SEX: Male

DAY ON TEST: 161

DOSE: F3/5PPM TO CTL

DISP: Terminal Sacrifice

HISTO: 21320100779

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Coagulating Gland
Rete Testes

Epididymis
Seminal Vesicle

Mammary Gland
Testes

Prostate, Dorsal Lobe

OBSERVATIONS

Prostate, Ventral Lobe

Inflammation

Chronic, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99930-96
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Endocrine disruptor (Genistein)
CAS Number: 446-72-0

Date Report Requested: 10/19/2014
Time Report Requested: 04:27:02
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 780

TRT#: 6

SEX: Male

DAY ON TEST: 161

DOSE: F3/5PPM TO CTL

DISP: Terminal Sacrifice

HISTO: 21320100780

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Coagulating Gland
Prostate, Dorsal Lobe
Testes

Epididymis
Prostate, Ventral Lobe

Mammary Gland
Rete Testes

Prostate
Seminal Vesicle

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99930-96
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Endocrine disruptor (Genistein)
CAS Number: 446-72-0

Date Report Requested: 10/19/2014
Time Report Requested: 04:27:02
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 781

TRT#: 7

SEX: Male

DAY ON TEST: 161

DOSE: F3/100PPM TO CTL

DISP: Terminal Sacrifice

HISTO: 21320100781

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Coagulating Gland
Rete Testes

Epididymis
Seminal Vesicle

Mammary Gland
Testes

Prostate, Ventral Lobe

OBSERVATIONS

Prostate, Dorsal Lobe

Inflammation

Chronic, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99930-96
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Endocrine disruptor (Genistein)
CAS Number: 446-72-0

Date Report Requested: 10/19/2014
Time Report Requested: 04:27:02
First Dose M/F: NA / NA
Lab: NCTR

| | | | |
|-----------------------|-------------------------------|---------------------------------|---------------------------|
| ANIMAL ID: 782 | TRT#: 7 | SEX: Male | DAY ON TEST: 161 |
| | DOSE: F3/100PPM TO CTL | DISP: Terminal Sacrifice | HISTO: 21320100782 |

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|-------------------|-----------------|---------------|------------------------|
| Coagulating Gland | Epididymis | Mammary Gland | Prostate, Ventral Lobe |
| Rete Testes | Seminal Vesicle | Testes | |

OBSERVATIONS

| | | |
|-----------------------|--------------|----------------------|
| Prostate, Dorsal Lobe | Inflammation | Suppurative, Minimal |
|-----------------------|--------------|----------------------|

PRIMARY CAUSE OF DEATH

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99930-96
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Endocrine disruptor (Genistein)
CAS Number: 446-72-0

Date Report Requested: 10/19/2014
Time Report Requested: 04:27:02
First Dose M/F: NA / NA
Lab: NCTR

| | | | |
|-----------------------|-------------------------------|---------------------------------|---------------------------|
| ANIMAL ID: 783 | TRT#: 7 | SEX: Male | DAY ON TEST: 161 |
| | DOSE: F3/100PPM TO CTL | DISP: Terminal Sacrifice | HISTO: 21320100783 |

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|-------------------|-----------------|---------------|-----------------------|
| Coagulating Gland | Epididymis | Mammary Gland | Prostate, Dorsal Lobe |
| Rete Testes | Seminal Vesicle | Testes | |

OBSERVATIONS

| | | |
|------------------------|--------------|----------------------|
| Prostate, Ventral Lobe | Inflammation | Suppurative, Minimal |
| | Inflammation | Chronic, Minimal |

PRIMARY CAUSE OF DEATH

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99930-96
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Endocrine disruptor (Genistein)
CAS Number: 446-72-0

Date Report Requested: 10/19/2014
Time Report Requested: 04:27:02
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 784

TRT#: 7

SEX: Male

DAY ON TEST: 160

DOSE: F3/100PPM TO CTL

DISP: Terminal Sacrifice

HISTO: 21320100784

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Coagulating Gland
Rete Testes

Epididymis
Seminal Vesicle

Mammary Gland
Testes

Prostate, Ventral Lobe

OBSERVATIONS

Prostate, Dorsal Lobe

Inflammation
Inflammation

Suppurative, Mild
Chronic, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99930-96
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Endocrine disruptor (Genistein)
CAS Number: 446-72-0

Date Report Requested: 10/19/2014
Time Report Requested: 04:27:02
First Dose M/F: NA / NA
Lab: NCTR

| | | | |
|-----------------------|-------------------------------|---------------------------------|---------------------------|
| ANIMAL ID: 785 | TRT#: 7 | SEX: Male | DAY ON TEST: 160 |
| | DOSE: F3/100PPM TO CTL | DISP: Terminal Sacrifice | HISTO: 21320100785 |

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|-------------------|------------|---------------|-------------|
| Coagulating Gland | Epididymis | Mammary Gland | Rete Testes |
| Seminal Vesicle | Testes | | |

OBSERVATIONS

| | | |
|------------------------|--------------|------------------|
| Prostate, Dorsal Lobe | Inflammation | Chronic, Minimal |
| Prostate, Ventral Lobe | Inflammation | Chronic, Minimal |

PRIMARY CAUSE OF DEATH

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99930-96
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Endocrine disruptor (Genistein)
CAS Number: 446-72-0

Date Report Requested: 10/19/2014
Time Report Requested: 04:27:02
First Dose M/F: NA / NA
Lab: NCTR

| | | | |
|-----------------------|-------------------------------|---------------------------------|---------------------------|
| ANIMAL ID: 786 | TRT#: 7 | SEX: Male | DAY ON TEST: 160 |
| | DOSE: F3/100PPM TO CTL | DISP: Terminal Sacrifice | HISTO: 21320100786 |

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|-------------------|-----------------|---------------|------------------------|
| Coagulating Gland | Epididymis | Mammary Gland | Prostate, Ventral Lobe |
| Rete Testes | Seminal Vesicle | Testes | |

OBSERVATIONS

| | | |
|-----------------------|--------------|-------------------|
| Prostate, Dorsal Lobe | Inflammation | Suppurative, Mild |
|-----------------------|--------------|-------------------|

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99930-96
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Endocrine disruptor (Genistein)
CAS Number: 446-72-0

Date Report Requested: 10/19/2014
Time Report Requested: 04:27:02
First Dose M/F: NA / NA
Lab: NCTR

| | | | |
|-----------------------|-------------------------------|---------------------------------|---------------------------|
| ANIMAL ID: 787 | TRT#: 8 | SEX: Male | DAY ON TEST: 161 |
| | DOSE: F3/500PPM TO CTL | DISP: Terminal Sacrifice | HISTO: 21320100787 |

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|-----------------------|-----------------|-----------------|-----------------|
| Adrenal Cortex | Adrenal Medulla | Bone Marrow | Bone, Femur |
| Coagulating Gland | Epididymis | Mammary Gland | Pituitary Gland |
| Prostate, Dorsal Lobe | Rete Testes | Seminal Vesicle | Skin |
| Spleen | Testes | Thymus | Thyroid Gland |

OBSERVATIONS

| | | | |
|------------------------|--------------|--------------|------------------|
| Kidney | Renal Tubule | Dilatation | Minimal |
| | | Inflammation | Chronic, Minimal |
| | Renal Tubule | Regeneration | Minimal |
| Liver | | Inflammation | Chronic, Minimal |
| Prostate, Ventral Lobe | | Inflammation | Chronic, Minimal |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99930-96
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Endocrine disruptor (Genistein)
CAS Number: 446-72-0

Date Report Requested: 10/19/2014
Time Report Requested: 04:27:02
First Dose M/F: NA / NA
Lab: NCTR

| | | | |
|-----------------------|-------------------------------|---------------------------------|---------------------------|
| ANIMAL ID: 788 | TRT#: 8 | SEX: Male | DAY ON TEST: 161 |
| | DOSE: F3/500PPM TO CTL | DISP: Terminal Sacrifice | HISTO: 21320100788 |

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|-------------------|-----------------------|-------------|-----------------|
| Adrenal Cortex | Adrenal Medulla | Bone Marrow | Bone, Femur |
| Coagulating Gland | Epididymis | Liver | Mammary Gland |
| Pituitary Gland | Prostate, Dorsal Lobe | Rete Testes | Seminal Vesicle |
| Skin | Spleen | Thymus | Thyroid Gland |

OBSERVATIONS

| | | | |
|------------------------|--------------|--------------|------------------|
| Kidney | | Inflammation | Chronic, Minimal |
| | Renal Tubule | Regeneration | Minimal |
| Prostate, Ventral Lobe | | Inflammation | Chronic, Minimal |
| Testes | Seminif Tub | Degeneration | Minimal |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99930-96
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Endocrine disruptor (Genistein)
CAS Number: 446-72-0

Date Report Requested: 10/19/2014
Time Report Requested: 04:27:02
First Dose M/F: NA / NA
Lab: NCTR

| | | | |
|-----------------------|-------------------------------|---------------------------------|---------------------------|
| ANIMAL ID: 789 | TRT#: 8 | SEX: Male | DAY ON TEST: 161 |
| | DOSE: F3/500PPM TO CTL | DISP: Terminal Sacrifice | HISTO: 21320100789 |

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|-------------------|-----------------------|------------------------|-----------------|
| Adrenal Cortex | Adrenal Medulla | Bone Marrow | Bone, Femur |
| Coagulating Gland | Epididymis | Kidney | Pituitary Gland |
| Prostate | Prostate, Dorsal Lobe | Prostate, Ventral Lobe | Rete Testes |
| Seminal Vesicle | Skin | Testes | Thymus |
| Thyroid Gland | | | |

INSUFFICIENT TISSUE

Mammary Gland

OBSERVATIONS

| | | |
|--------|--------------|------------------|
| Liver | Inflammation | Chronic, Minimal |
| Spleen | Hyperplasia | Stromal, Minimal |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99930-96
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Endocrine disruptor (Genistein)
CAS Number: 446-72-0

Date Report Requested: 10/19/2014
Time Report Requested: 04:27:02
First Dose M/F: NA / NA
Lab: NCTR

| | | | |
|-----------------------|-------------------------------|---------------------------------|---------------------------|
| ANIMAL ID: 790 | TRT#: 8 | SEX: Male | DAY ON TEST: 161 |
| | DOSE: F3/500PPM TO CTL | DISP: Terminal Sacrifice | HISTO: 21320100790 |

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|-------------------|-----------------|-----------------|-----------------------|
| Adrenal Cortex | Adrenal Medulla | Bone Marrow | Bone, Femur |
| Coagulating Gland | Epididymis | Pituitary Gland | Prostate, Dorsal Lobe |
| Rete Testes | Seminal Vesicle | Skin | Spleen |
| Testes | Thymus | Thyroid Gland | |

OBSERVATIONS

| | | | |
|------------------------|--------------|--------------|------------------|
| Kidney | Capsule, Fat | Cyst | |
| | Pelvis | Dilatation | Mild |
| | | Inflammation | Chronic, Minimal |
| | Renal Tubule | Regeneration | Minimal |
| [Cyst TGLS = 1-2] | | | |
| Liver | | Inflammation | Chronic, Minimal |
| Mammary Gland | Alveolus | Hyperplasia | Minimal |
| Prostate, Ventral Lobe | | Inflammation | Chronic, Minimal |

PRIMARY CAUSE OF DEATH

-

Experiment Number: 99930-96
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Endocrine disruptor (Genistein)
CAS Number: 446-72-0

Date Report Requested: 10/19/2014
Time Report Requested: 04:27:02
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 791

TRT#: 8

SEX: Male

DAY ON TEST: 161

DOSE: F3/500PPM TO CTL

DISP: Terminal Sacrifice

HISTO: 21320100791

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|-------------------|-----------------|---------------|-----------------|
| Adrenal Cortex | Adrenal Medulla | Bone Marrow | Bone, Femur |
| Coagulating Gland | Epididymis | Mammary Gland | Pituitary Gland |
| Rete Testes | Seminal Vesicle | Skin | Spleen |
| Thymus | Thyroid Gland | | |

OBSERVATIONS

| | | | |
|------------------------|--------------|--------------|------------------|
| Kidney | Renal Tubule | Dilatation | Minimal |
| | | Inflammation | Chronic, Minimal |
| Liver | | Inflammation | Chronic, Minimal |
| Prostate, Dorsal Lobe | | Inflammation | Chronic, Minimal |
| Prostate, Ventral Lobe | | Inflammation | Chronic, Minimal |
| Testes | Seminif Tub | Degeneration | Minimal |

PRIMARY CAUSE OF DEATH

-

Experiment Number: 99930-96
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Endocrine disruptor (Genistein)
CAS Number: 446-72-0

Date Report Requested: 10/19/2014
Time Report Requested: 04:27:02
First Dose M/F: NA / NA
Lab: NCTR

| | | | |
|-----------------------|-------------------------------|---------------------------------|---------------------------|
| ANIMAL ID: 792 | TRT#: 8 | SEX: Male | DAY ON TEST: 161 |
| | DOSE: F3/500PPM TO CTL | DISP: Terminal Sacrifice | HISTO: 21320100792 |

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|-------------------|-----------------------|------------------------|-----------------|
| Adrenal Cortex | Adrenal Medulla | Bone Marrow | Bone, Femur |
| Coagulating Gland | Epididymis | Mammary Gland | Pituitary Gland |
| Prostate | Prostate, Dorsal Lobe | Prostate, Ventral Lobe | Rete Testes |
| Seminal Vesicle | Skin | Spleen | Testes |
| Thymus | Thyroid Gland | | |

OBSERVATIONS

| | | | |
|--------|--------------|--------------|------------------|
| Kidney | | Inflammation | Chronic, Minimal |
| | Renal Tubule | Regeneration | Minimal |
| Liver | | Inflammation | Chronic, Minimal |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99930-96
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Endocrine disruptor (Genistein)
CAS Number: 446-72-0

Date Report Requested: 10/19/2014
Time Report Requested: 04:27:02
First Dose M/F: NA / NA
Lab: NCTR

| | | | |
|-----------------------|-----------------------|---------------------------------|---------------------------|
| ANIMAL ID: 793 | TRT#: 5 | SEX: Male | DAY ON TEST: 161 |
| | DOSE: F3 0 PPM | DISP: Terminal Sacrifice | HISTO: 21320100793 |

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|-------------------|-----------------|-----------------|------------------------|
| Adrenal Cortex | Adrenal Medulla | Bone Marrow | Bone, Femur |
| Coagulating Gland | Epididymis | Pituitary Gland | Prostate, Ventral Lobe |
| Rete Testes | Seminal Vesicle | Skin | Spleen |
| Testes | Thymus | Thyroid Gland | |

OBSERVATIONS

| | | | |
|-----------------------|--------------|--------------|----------------------|
| Kidney | Renal Tubule | Dilatation | Mild |
| | | Inflammation | Chronic, Minimal |
| Liver | | Inflammation | Chronic, Minimal |
| Mammary Gland | Alveolus | Hyperplasia | Minimal |
| Prostate, Dorsal Lobe | | Inflammation | Suppurative, Minimal |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99930-96
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Endocrine disruptor (Genistein)
CAS Number: 446-72-0

Date Report Requested: 10/19/2014
Time Report Requested: 04:27:02
First Dose M/F: NA / NA
Lab: NCTR

| | | | |
|-----------------------|-----------------------|---------------------------------|---------------------------|
| ANIMAL ID: 794 | TRT#: 5 | SEX: Male | DAY ON TEST: 161 |
| | DOSE: F3 0 PPM | DISP: Terminal Sacrifice | HISTO: 21320100794 |

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|-------------------|-----------------|-----------------|-------------|
| Adrenal Cortex | Adrenal Medulla | Bone Marrow | Bone, Femur |
| Coagulating Gland | Mammary Gland | Pituitary Gland | Rete Testes |
| Seminal Vesicle | Skin | Spleen | Testes |
| Thymus | Thyroid Gland | | |

OBSERVATIONS

| | | | |
|------------------------|--------------|-----------------------|---------------------|
| Epididymis | | Infiltration Cellular | Lymphocyte, Minimal |
| Kidney | | Inflammation | Chronic, Minimal |
| | Renal Tubule | Regeneration | Minimal |
| Liver | | Inflammation | Chronic, Minimal |
| Prostate, Dorsal Lobe | | Inflammation | Suppurative, Mild |
| Prostate, Ventral Lobe | | Inflammation | Chronic, Minimal |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99930-96
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Endocrine disruptor (Genistein)
CAS Number: 446-72-0

Date Report Requested: 10/19/2014
Time Report Requested: 04:27:02
First Dose M/F: NA / NA
Lab: NCTR

| | | | |
|-----------------------|-----------------------|---------------------------------|---------------------------|
| ANIMAL ID: 795 | TRT#: 5 | SEX: Male | DAY ON TEST: 161 |
| | DOSE: F3 0 PPM | DISP: Terminal Sacrifice | HISTO: 21320100795 |

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|-------------------|-----------------------|------------------------|-----------------|
| Adrenal Cortex | Adrenal Medulla | Bone Marrow | Bone, Femur |
| Coagulating Gland | Epididymis | Mammary Gland | Pituitary Gland |
| Prostate | Prostate, Dorsal Lobe | Prostate, Ventral Lobe | Rete Testes |
| Seminal Vesicle | Skin | Spleen | Testes |
| Thymus | Thyroid Gland | | |

OBSERVATIONS

| | | |
|--------|--------------|------------------|
| Kidney | Inflammation | Chronic, Minimal |
| Liver | Inflammation | Chronic, Minimal |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99930-96
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Endocrine disruptor (Genistein)
CAS Number: 446-72-0

Date Report Requested: 10/19/2014
Time Report Requested: 04:27:02
First Dose M/F: NA / NA
Lab: NCTR

| | | | |
|-----------------------|-----------------------|---------------------------------|---------------------------|
| ANIMAL ID: 796 | TRT#: 5 | SEX: Male | DAY ON TEST: 160 |
| | DOSE: F3 0 PPM | DISP: Terminal Sacrifice | HISTO: 21320100796 |

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|-------------------|-----------------|-----------------|-----------------------|
| Adrenal Cortex | Adrenal Medulla | Bone Marrow | Bone, Femur |
| Coagulating Gland | Epididymis | Pituitary Gland | Prostate, Dorsal Lobe |
| Rete Testes | Seminal Vesicle | Skin | Spleen |
| Testes | Thymus | Thyroid Gland | |

INSUFFICIENT TISSUE

Mammary Gland

OBSERVATIONS

| | | | |
|------------------------|--------------|---------------------------|------------------|
| Kidney | Renal Tubule | Dilatation | Mild |
| | | Inflammation | Chronic, Mild |
| | Renal Tubule | Regeneration | Minimal |
| Liver | | Inflammation | Chronic, Minimal |
| | | Vacuolization Cytoplasmic | Minimal |
| Prostate, Ventral Lobe | | Inflammation | Chronic, Minimal |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99930-96
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Endocrine disruptor (Genistein)
CAS Number: 446-72-0

Date Report Requested: 10/19/2014
Time Report Requested: 04:27:02
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 797

TRT#: 6

SEX: Male

DAY ON TEST: 162

DOSE: F3/5PPM TO CTL

DISP: Terminal Sacrifice

HISTO: 21320100797

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Coagulating Gland
Seminal Vesicle

Epididymis
Testes

Mammary Gland

Rete Testes

OBSERVATIONS

Prostate, Dorsal Lobe
Prostate, Ventral Lobe

Inflammation
Inflammation

Suppurative, Minimal
Chronic, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99930-96
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Endocrine disruptor (Genistein)
CAS Number: 446-72-0

Date Report Requested: 10/19/2014
Time Report Requested: 04:27:02
First Dose M/F: NA / NA
Lab: NCTR

| | | | |
|-----------------------|-----------------------------|---------------------------------|---------------------------|
| ANIMAL ID: 798 | TRT#: 6 | SEX: Male | DAY ON TEST: 161 |
| | DOSE: F3/5PPM TO CTL | DISP: Terminal Sacrifice | HISTO: 21320100798 |

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|-------------------|-----------------|---------------|-----------------------|
| Coagulating Gland | Epididymis | Mammary Gland | Prostate, Dorsal Lobe |
| Rete Testes | Seminal Vesicle | Testes | |

OBSERVATIONS

| | | |
|------------------------|--------------|------------------|
| Prostate, Ventral Lobe | Inflammation | Chronic, Minimal |
|------------------------|--------------|------------------|

PRIMARY CAUSE OF DEATH

-

Experiment Number: 99930-96
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Endocrine disruptor (Genistein)
CAS Number: 446-72-0

Date Report Requested: 10/19/2014
Time Report Requested: 04:27:02
First Dose M/F: NA / NA
Lab: NCTR

| | | | |
|-----------------------|-------------------------------|---------------------------------|---------------------------|
| ANIMAL ID: 799 | TRT#: 7 | SEX: Male | DAY ON TEST: 162 |
| | DOSE: F3/100PPM TO CTL | DISP: Terminal Sacrifice | HISTO: 21320100799 |

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|-------------------|------------|-----------------------|-------------|
| Coagulating Gland | Epididymis | Prostate, Dorsal Lobe | Rete Testes |
| Seminal Vesicle | Testes | | |

OBSERVATIONS

| | | | |
|------------------------|----------|--------------|------------------|
| Mammary Gland | Alveolus | Hyperplasia | Minimal |
| Prostate, Ventral Lobe | | Inflammation | Chronic, Minimal |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99930-96
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Endocrine disruptor (Genistein)
CAS Number: 446-72-0

Date Report Requested: 10/19/2014
Time Report Requested: 04:27:02
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 800

TRT#: 7

SEX: Male

DAY ON TEST: 161

DOSE: F3/100PPM TO CTL

DISP: Terminal Sacrifice

HISTO: 21320100800

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Coagulating Gland
Rete Testes

Epididymis
Seminal Vesicle

Mammary Gland
Testes

Prostate, Dorsal Lobe

OBSERVATIONS

Prostate, Ventral Lobe

Inflammation

Chronic, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99930-96
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Endocrine disruptor (Genistein)
CAS Number: 446-72-0

Date Report Requested: 10/19/2014
Time Report Requested: 04:27:02
First Dose M/F: NA / NA
Lab: NCTR

| | | | |
|-----------------------|-------------------------------|---------------------------------|---------------------------|
| ANIMAL ID: 801 | TRT#: 7 | SEX: Male | DAY ON TEST: 161 |
| | DOSE: F3/100PPM TO CTL | DISP: Terminal Sacrifice | HISTO: 21320100801 |

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|------------------------|-------------|-----------------|-----------------------|
| Coagulating Gland | Epididymis | Prostate | Prostate, Dorsal Lobe |
| Prostate, Ventral Lobe | Rete Testes | Seminal Vesicle | Testes |

OBSERVATIONS

| | | | |
|---------------|------|-------------|---------|
| Mammary Gland | Duct | Hyperplasia | Minimal |
|---------------|------|-------------|---------|

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99930-96
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Endocrine disruptor (Genistein)
CAS Number: 446-72-0

Date Report Requested: 10/19/2014
Time Report Requested: 04:27:02
First Dose M/F: NA / NA
Lab: NCTR

| | | | |
|-----------------------|-------------------------------|---------------------------------|---------------------------|
| ANIMAL ID: 802 | TRT#: 7 | SEX: Male | DAY ON TEST: 161 |
| | DOSE: F3/100PPM TO CTL | DISP: Terminal Sacrifice | HISTO: 21320100802 |

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|-------------------|------------|---------------|-------------|
| Coagulating Gland | Epididymis | Mammary Gland | Rete Testes |
| Seminal Vesicle | Testes | | |

OBSERVATIONS

| | | |
|------------------------|--------------|-------------------|
| Prostate, Dorsal Lobe | Inflammation | Suppurative, Mild |
| | Inflammation | Chronic, Mild |
| Prostate, Ventral Lobe | Inflammation | Chronic, Mild |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99930-96
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Endocrine disruptor (Genistein)
CAS Number: 446-72-0

Date Report Requested: 10/19/2014
Time Report Requested: 04:27:02
First Dose M/F: NA / NA
Lab: NCTR

| | | | |
|-----------------------|-------------------------------|---------------------------------|---------------------------|
| ANIMAL ID: 803 | TRT#: 7 | SEX: Male | DAY ON TEST: 161 |
| | DOSE: F3/100PPM TO CTL | DISP: Terminal Sacrifice | HISTO: 21320100803 |

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|-------------------|-----------------|---------------|-----------------------|
| Coagulating Gland | Epididymis | Mammary Gland | Prostate, Dorsal Lobe |
| Rete Testes | Seminal Vesicle | Testes | |

OBSERVATIONS

| | | |
|------------------------|--------------|------------------|
| Prostate, Ventral Lobe | Inflammation | Chronic, Minimal |
|------------------------|--------------|------------------|

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99930-96
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Endocrine disruptor (Genistein)
CAS Number: 446-72-0

Date Report Requested: 10/19/2014
Time Report Requested: 04:27:02
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 804

TRT#: 7

SEX: Male

DAY ON TEST: 161

DOSE: F3/100PPM TO CTL

DISP: Terminal Sacrifice

HISTO: 21320100804

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Coagulating Gland
Prostate, Dorsal Lobe
Testes

Epididymis
Prostate, Ventral Lobe

Mammary Gland
Rete Testes

Prostate
Seminal Vesicle

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99930-96
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Endocrine disruptor (Genistein)
CAS Number: 446-72-0

Date Report Requested: 10/19/2014
Time Report Requested: 04:27:02
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 805

TRT#: 7

SEX: Male

DAY ON TEST: 161

DOSE: F3/100PPM TO CTL

DISP: Terminal Sacrifice

HISTO: 21320100805

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Coagulating Gland
Rete Testes

Epididymis
Seminal Vesicle

Mammary Gland
Testes

Prostate, Dorsal Lobe

OBSERVATIONS

Prostate, Ventral Lobe

Inflammation

Suppurative, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99930-96
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Endocrine disruptor (Genistein)
CAS Number: 446-72-0

Date Report Requested: 10/19/2014
Time Report Requested: 04:27:02
First Dose M/F: NA / NA
Lab: NCTR

| | | | |
|-----------------------|-------------------------------|---------------------------------|---------------------------|
| ANIMAL ID: 806 | TRT#: 7 | SEX: Male | DAY ON TEST: 161 |
| | DOSE: F3/100PPM TO CTL | DISP: Terminal Sacrifice | HISTO: 21320100806 |

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|-------------------|-----------------|---------------|-----------------------|
| Coagulating Gland | Epididymis | Mammary Gland | Prostate, Dorsal Lobe |
| Rete Testes | Seminal Vesicle | Testes | |

OBSERVATIONS

| | | |
|------------------------|--------------|---------------|
| Prostate, Ventral Lobe | Inflammation | Chronic, Mild |
|------------------------|--------------|---------------|

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99930-96
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Endocrine disruptor (Genistein)
CAS Number: 446-72-0

Date Report Requested: 10/19/2014
Time Report Requested: 04:27:02
First Dose M/F: NA / NA
Lab: NCTR

| | | | |
|-----------------------|-------------------------------|---------------------------------|---------------------------|
| ANIMAL ID: 807 | TRT#: 8 | SEX: Male | DAY ON TEST: 162 |
| | DOSE: F3/500PPM TO CTL | DISP: Terminal Sacrifice | HISTO: 21320100807 |

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|-----------------|---------------|-----------------|-------------------|
| Adrenal Medulla | Bone Marrow | Bone, Femur | Coagulating Gland |
| Epididymis | Mammary Gland | Pituitary Gland | Rete Testes |
| Seminal Vesicle | Skin | Spleen | Thymus |
| Thyroid Gland | | | |

OBSERVATIONS

| | | | |
|------------------------|-------------|-----------------------------------|------------------|
| Adrenal Cortex | | Accessory Adrenal Cortical Nodule | |
| Kidney | | Inflammation | Chronic, Minimal |
| Liver | | Inflammation | Chronic, Minimal |
| Prostate, Dorsal Lobe | | Inflammation | Chronic, Minimal |
| Prostate, Ventral Lobe | | Inflammation | Chronic, Mild |
| Testes | Seminif Tub | Degeneration | Minimal |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99930-96
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Endocrine disruptor (Genistein)
CAS Number: 446-72-0

Date Report Requested: 10/19/2014
Time Report Requested: 04:27:02
First Dose M/F: NA / NA
Lab: NCTR

| | | | |
|-----------------------|-------------------------------|---------------------------------|---------------------------|
| ANIMAL ID: 808 | TRT#: 8 | SEX: Male | DAY ON TEST: 161 |
| | DOSE: F3/500PPM TO CTL | DISP: Terminal Sacrifice | HISTO: 21320100808 |

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|-------------------|-----------------|-----------------|-----------------------|
| Adrenal Cortex | Adrenal Medulla | Bone Marrow | Bone, Femur |
| Coagulating Gland | Epididymis | Pituitary Gland | Prostate, Dorsal Lobe |
| Rete Testes | Seminal Vesicle | Skin | Spleen |
| Testes | Thymus | Thyroid Gland | |

INSUFFICIENT TISSUE

Mammary Gland

OBSERVATIONS

| | | |
|------------------------|--------------|------------------|
| Kidney | Inflammation | Chronic, Minimal |
| Liver | Inflammation | Chronic, Minimal |
| Prostate, Ventral Lobe | Inflammation | Chronic, Minimal |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99930-96
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Endocrine disruptor (Genistein)
CAS Number: 446-72-0

Date Report Requested: 10/19/2014
Time Report Requested: 04:27:02
First Dose M/F: NA / NA
Lab: NCTR

| | | | |
|-----------------------|-------------------------------|---------------------------------|---------------------------|
| ANIMAL ID: 809 | TRT#: 8 | SEX: Male | DAY ON TEST: 161 |
| | DOSE: F3/500PPM TO CTL | DISP: Terminal Sacrifice | HISTO: 21320100809 |

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|-------------------|-----------------------|------------------------|-----------------|
| Adrenal Cortex | Adrenal Medulla | Bone Marrow | Bone, Femur |
| Coagulating Gland | Epididymis | Mammary Gland | Pituitary Gland |
| Prostate | Prostate, Dorsal Lobe | Prostate, Ventral Lobe | Rete Testes |
| Seminal Vesicle | Skin | Spleen | Testes |
| Thymus | Thyroid Gland | | |

OBSERVATIONS

| | | | |
|--------|--------------|---------------|------------------|
| Kidney | | Casts Protein | Minimal |
| | Renal Tubule | Dilatation | Mild |
| | | Inflammation | Chronic, Minimal |
| | Renal Tubule | Regeneration | Minimal |
| Liver | | Inflammation | Chronic, Minimal |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99930-96
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Endocrine disruptor (Genistein)
CAS Number: 446-72-0

Date Report Requested: 10/19/2014
Time Report Requested: 04:27:02
First Dose M/F: NA / NA
Lab: NCTR

| | | | |
|-----------------------|-------------------------------|---------------------------------|---------------------------|
| ANIMAL ID: 810 | TRT#: 8 | SEX: Male | DAY ON TEST: 161 |
| | DOSE: F3/500PPM TO CTL | DISP: Terminal Sacrifice | HISTO: 21320100810 |

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|-----------------------|-----------------|-----------------|-----------------|
| Adrenal Cortex | Adrenal Medulla | Bone Marrow | Bone, Femur |
| Coagulating Gland | Epididymis | Kidney | Pituitary Gland |
| Prostate, Dorsal Lobe | Rete Testes | Seminal Vesicle | Skin |
| Spleen | Testes | Thymus | Thyroid Gland |

OBSERVATIONS

| | | | |
|------------------------|------|--------------|------------------|
| Liver | | Inflammation | Chronic, Minimal |
| Mammary Gland | Duct | Hyperplasia | Minimal |
| Prostate, Ventral Lobe | | Inflammation | Chronic, Minimal |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99930-96
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Endocrine disruptor (Genistein)
CAS Number: 446-72-0

Date Report Requested: 10/19/2014
Time Report Requested: 04:27:02
First Dose M/F: NA / NA
Lab: NCTR

| | | | |
|-----------------------|-------------------------------|---------------------------------|---------------------------|
| ANIMAL ID: 811 | TRT#: 8 | SEX: Male | DAY ON TEST: 161 |
| | DOSE: F3/500PPM TO CTL | DISP: Terminal Sacrifice | HISTO: 21320100811 |

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|-------------------|-----------------|-----------------|-----------------------|
| Adrenal Cortex | Adrenal Medulla | Bone Marrow | Bone, Femur |
| Coagulating Gland | Epididymis | Pituitary Gland | Prostate, Dorsal Lobe |
| Rete Testes | Seminal Vesicle | Skin | Testes |
| Thymus | Thyroid Gland | | |

OBSERVATIONS

| | | | |
|------------------------|--------------|--------------|------------------|
| Kidney | Renal Tubule | Dilatation | Mild |
| | | Inflammation | Chronic, Minimal |
| | Renal Tubule | Regeneration | Minimal |
| Liver | | Inflammation | Chronic, Minimal |
| | | Necrosis | Mild |
| Mammary Gland | Alveolus | Hyperplasia | Mild |
| Prostate, Ventral Lobe | | Inflammation | Chronic, Mild |
| Spleen | | Pigmentation | Mild |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99930-96
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Endocrine disruptor (Genistein)
CAS Number: 446-72-0

Date Report Requested: 10/19/2014
Time Report Requested: 04:27:02
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 812

TRT#: 8

SEX: Male

DAY ON TEST: 161

DOSE: F3/500PPM TO CTL

DISP: Terminal Sacrifice

HISTO: 21320100812

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|-------------------|-----------------|---------------|-----------------|
| Adrenal Cortex | Adrenal Medulla | Bone Marrow | Bone, Femur |
| Coagulating Gland | Epididymis | Mammary Gland | Pituitary Gland |
| Rete Testes | Seminal Vesicle | Skin | Spleen |
| Testes | Thymus | Thyroid Gland | |

OBSERVATIONS

| | | |
|------------------------|--------------|----------------------|
| Kidney | Inflammation | Chronic, Minimal |
| Liver | Inflammation | Chronic, Minimal |
| Prostate, Dorsal Lobe | Inflammation | Chronic, Minimal |
| Prostate, Ventral Lobe | Inflammation | Chronic, Minimal |
| | Inflammation | Suppurative, Minimal |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99930-96
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Endocrine disruptor (Genistein)
CAS Number: 446-72-0

Date Report Requested: 10/19/2014
Time Report Requested: 04:27:02
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 813

TRT#: 8

SEX: Male

DAY ON TEST: 161

DOSE: F3/500PPM TO CTL

DISP: Terminal Sacrifice

HISTO: 21320100813

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Cortex
Bone, Femur
Pituitary Gland
Skin

Adrenal Medulla
Coagulating Gland
Prostate, Dorsal Lobe
Testes

Blood Vessel
Epididymis
Rete Testes
Thymus

Bone Marrow
Mammary Gland
Seminal Vesicle
Thyroid Gland

OBSERVATIONS

Kidney
Prostate, Ventral Lobe
Spleen

Renal Tubule

Regeneration
Inflammation
Hyperplasia

Minimal
Chronic, Minimal
Stromal, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99930-96
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Endocrine disruptor (Genistein)
CAS Number: 446-72-0

Date Report Requested: 10/19/2014
Time Report Requested: 04:27:02
First Dose M/F: NA / NA
Lab: NCTR

| | | | |
|-----------------------|-----------------------|---------------------------------|---------------------------|
| ANIMAL ID: 837 | TRT#: 5 | SEX: Male | DAY ON TEST: 162 |
| | DOSE: F3 0 PPM | DISP: Terminal Sacrifice | HISTO: 21320100837 |

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|------------------------|-----------------|-----------------|-----------------|
| Adrenal Cortex | Adrenal Medulla | Bone Marrow | Bone, Femur |
| Coagulating Gland | Epididymis | Mammary Gland | Pituitary Gland |
| Prostate, Ventral Lobe | Rete Testes | Seminal Vesicle | Skin |
| Spleen | Testes | Thymus | Thyroid Gland |

OBSERVATIONS

| | | | |
|-----------------------|--------------|--------------|-------------------|
| Kidney | Renal Tubule | Dilatation | Mild |
| | | Inflammation | Chronic, Minimal |
| Liver | | Inflammation | Chronic, Minimal |
| Prostate, Dorsal Lobe | Epithelium | Hyperplasia | Minimal |
| | | Inflammation | Suppurative, Mild |
| | | Inflammation | Chronic, Mild |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99930-96
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Endocrine disruptor (Genistein)
CAS Number: 446-72-0

Date Report Requested: 10/19/2014
Time Report Requested: 04:27:02
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 838

TRT#: 5
DOSE: F3 0 PPM

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 162
HISTO: 21320100838

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|-------------------|-----------------|---------------|-----------------|
| Adrenal Cortex | Adrenal Medulla | Bone Marrow | Bone, Femur |
| Coagulating Gland | Epididymis | Mammary Gland | Pituitary Gland |
| Rete Testes | Seminal Vesicle | Skin | Spleen |
| Testes | Thymus | Thyroid Gland | |

OBSERVATIONS

| | | |
|------------------------|--------------|------------------|
| Kidney | Inflammation | Chronic, Minimal |
| Liver | Inflammation | Chronic, Minimal |
| | Necrosis | Minimal |
| Prostate, Dorsal Lobe | Inflammation | Chronic, Minimal |
| Prostate, Ventral Lobe | Inflammation | Chronic, Minimal |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99930-96
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Endocrine disruptor (Genistein)
CAS Number: 446-72-0

Date Report Requested: 10/19/2014
Time Report Requested: 04:27:02
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 839

TRT#: 5

SEX: Male

DAY ON TEST: 161

DOSE: F3 0 PPM

DISP: Terminal Sacrifice

HISTO: 21320100839

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Cortex
Coagulating Gland
Pituitary Gland
Skin
Thyroid Gland

Adrenal Medulla
Epididymis
Prostate, Dorsal Lobe
Spleen

Bone Marrow
Kidney
Rete Testes
Testes

Bone, Femur
Mammary Gland
Seminal Vesicle
Thymus

OBSERVATIONS

Liver
Prostate, Ventral Lobe

Inflammation
Inflammation

Chronic, Minimal
Chronic, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99930-96
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Endocrine disruptor (Genistein)
CAS Number: 446-72-0

Date Report Requested: 10/19/2014
Time Report Requested: 04:27:02
First Dose M/F: NA / NA
Lab: NCTR

| | | | |
|-----------------------|-----------------------|---------------------------------|---------------------------|
| ANIMAL ID: 840 | TRT#: 5 | SEX: Male | DAY ON TEST: 161 |
| | DOSE: F3 0 PPM | DISP: Terminal Sacrifice | HISTO: 21320100840 |

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|-----------------------|-----------------|-----------------|-----------------|
| Adrenal Cortex | Adrenal Medulla | Bone Marrow | Bone, Femur |
| Coagulating Gland | Epididymis | Mammary Gland | Pituitary Gland |
| Prostate, Dorsal Lobe | Rete Testes | Seminal Vesicle | Skin |
| Spleen | Testes | Thymus | Thyroid Gland |

OBSERVATIONS

| | | | |
|------------------------|--------------|--------------|------------------|
| Kidney | Renal Tubule | Regeneration | Minimal |
| Liver | | Inflammation | Chronic, Minimal |
| | | Necrosis | Minimal |
| Prostate, Ventral Lobe | | Inflammation | Chronic, Mild |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99930-96
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Endocrine disruptor (Genistein)
CAS Number: 446-72-0

Date Report Requested: 10/19/2014
Time Report Requested: 04:27:02
First Dose M/F: NA / NA
Lab: NCTR

| | | | |
|-----------------------|-----------------------|---------------------------------|---------------------------|
| ANIMAL ID: 841 | TRT#: 5 | SEX: Male | DAY ON TEST: 161 |
| | DOSE: F3 0 PPM | DISP: Terminal Sacrifice | HISTO: 21320100841 |

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|-------------------|-----------------|---------------|-----------------------|
| Adrenal Cortex | Adrenal Medulla | Bone Marrow | Bone, Femur |
| Coagulating Gland | Epididymis | Mammary Gland | Prostate, Dorsal Lobe |
| Rete Testes | Seminal Vesicle | Skin | Spleen |
| Testes | Thymus | Thyroid Gland | |

OBSERVATIONS

| | | | |
|------------------------|---------------|--------------|------------------|
| Kidney | | Inflammation | Chronic, Minimal |
| | Renal Tubule | Regeneration | Minimal |
| Liver | | Inflammation | Chronic, Minimal |
| Pituitary Gland | Pars Distalis | Cyst | Multiple |
| Prostate, Ventral Lobe | | Inflammation | Chronic, Minimal |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99930-96
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Endocrine disruptor (Genistein)
CAS Number: 446-72-0

Date Report Requested: 10/19/2014
Time Report Requested: 04:27:02
First Dose M/F: NA / NA
Lab: NCTR

| | | | |
|-----------------------|-----------------------|---------------------------------|---------------------------|
| ANIMAL ID: 842 | TRT#: 5 | SEX: Male | DAY ON TEST: 161 |
| | DOSE: F3 0 PPM | DISP: Terminal Sacrifice | HISTO: 21320100842 |

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|-----------------------|-----------------|-----------------|-----------------|
| Adrenal Cortex | Adrenal Medulla | Bone Marrow | Bone, Femur |
| Coagulating Gland | Epididymis | Mammary Gland | Pituitary Gland |
| Prostate, Dorsal Lobe | Rete Testes | Seminal Vesicle | Skin |
| Spleen | Testes | Thymus | Thyroid Gland |

OBSERVATIONS

| | | |
|------------------------|--------------|------------------|
| Kidney | Inflammation | Chronic, Minimal |
| Liver | Inflammation | Chronic, Minimal |
| Prostate, Ventral Lobe | Inflammation | Chronic, Minimal |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99930-96
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Endocrine disruptor (Genistein)
CAS Number: 446-72-0

Date Report Requested: 10/19/2014
Time Report Requested: 04:27:02
First Dose M/F: NA / NA
Lab: NCTR

| | | | |
|-----------------------|-----------------------|---------------------------------|---------------------------|
| ANIMAL ID: 843 | TRT#: 5 | SEX: Male | DAY ON TEST: 160 |
| | DOSE: F3 0 PPM | DISP: Terminal Sacrifice | HISTO: 21320100843 |

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|-------------------|-----------------|-----------------------|-------------|
| Adrenal Cortex | Adrenal Medulla | Bone Marrow | Bone, Femur |
| Coagulating Gland | Mammary Gland | Prostate, Dorsal Lobe | Rete Testes |
| Seminal Vesicle | Skin | Testes | Thymus |
| Thyroid Gland | | | |

OBSERVATIONS

| | | | |
|------------------------|---------------|-----------------------|---------------------|
| Epididymis | | Infiltration Cellular | Lymphocyte, Minimal |
| Kidney | | Inflammation | Chronic, Minimal |
| Liver | | Inflammation | Chronic, Minimal |
| Pituitary Gland | Pars Distalis | Cyst | |
| Prostate, Ventral Lobe | | Inflammation | Chronic, Minimal |
| Spleen | | Pigmentation | Minimal |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99930-96
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Endocrine disruptor (Genistein)
CAS Number: 446-72-0

Date Report Requested: 10/19/2014
Time Report Requested: 04:27:02
First Dose M/F: NA / NA
Lab: NCTR

| | | | |
|-----------------------|-----------------------------|---------------------------------|---------------------------|
| ANIMAL ID: 844 | TRT#: 6 | SEX: Male | DAY ON TEST: 162 |
| | DOSE: F3/5PPM TO CTL | DISP: Terminal Sacrifice | HISTO: 21320100844 |

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|-------------------|------------|---------------|-------------|
| Coagulating Gland | Epididymis | Mammary Gland | Rete Testes |
| Seminal Vesicle | Testes | | |

OBSERVATIONS

| | | | |
|--|--------------|--|----------------------|
| Bone, Vertebra [Malformation TGLS = 1-8] | Malformation | | |
| Prostate, Dorsal Lobe | Inflammation | | Suppurative, Minimal |
| Prostate, Ventral Lobe | Inflammation | | Chronic, Minimal |
| Skin Note: TGL # 01 - NOTED GROSSLY AS SKIN WAS BONE VERTEBRA | | | |

PRIMARY CAUSE OF DEATH

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99930-96
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Endocrine disruptor (Genistein)
CAS Number: 446-72-0

Date Report Requested: 10/19/2014
Time Report Requested: 04:27:02
First Dose M/F: NA / NA
Lab: NCTR

| | | | |
|-----------------------|-----------------------------|---------------------------------|---------------------------|
| ANIMAL ID: 845 | TRT#: 6 | SEX: Male | DAY ON TEST: 162 |
| | DOSE: F3/5PPM TO CTL | DISP: Terminal Sacrifice | HISTO: 21320100845 |

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|-------------------|------------|---------------|-------------|
| Coagulating Gland | Epididymis | Mammary Gland | Rete Testes |
| Seminal Vesicle | Testes | | |

OBSERVATIONS

| | | |
|------------------------|--------------|----------------------|
| Prostate, Dorsal Lobe | Inflammation | Suppurative, Minimal |
| Prostate, Ventral Lobe | Inflammation | Chronic, Minimal |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99930-96
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Endocrine disruptor (Genistein)
CAS Number: 446-72-0

Date Report Requested: 10/19/2014
Time Report Requested: 04:27:02
First Dose M/F: NA / NA
Lab: NCTR

| | | | |
|-----------------------|-----------------------------|---------------------------------|---------------------------|
| ANIMAL ID: 846 | TRT#: 6 | SEX: Male | DAY ON TEST: 162 |
| | DOSE: F3/5PPM TO CTL | DISP: Terminal Sacrifice | HISTO: 21320100846 |

ORGAN AND ACCOUNTABLE SITE STATUS

| | | | |
|-------------------|------------|---------------|-------------|
| NORMAL | | | |
| Coagulating Gland | Epididymis | Mammary Gland | Rete Testes |
| Seminal Vesicle | Testes | | |

| | | | |
|------------------------|--|--------------|----------------------|
| OBSERVATIONS | | | |
| Prostate, Dorsal Lobe | | Inflammation | Suppurative, Mild |
| Prostate, Ventral Lobe | | Inflammation | Chronic, Minimal |
| | | Inflammation | Suppurative, Minimal |

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

Experiment Number: 99930-96
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Endocrine disruptor (Genistein)
CAS Number: 446-72-0

Date Report Requested: 10/19/2014
Time Report Requested: 04:27:02
First Dose M/F: NA / NA
Lab: NCTR

| | | | |
|-----------------------|-----------------------------|---------------------------------|---------------------------|
| ANIMAL ID: 847 | TRT#: 6 | SEX: Male | DAY ON TEST: 162 |
| | DOSE: F3/5PPM TO CTL | DISP: Terminal Sacrifice | HISTO: 21320100847 |

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|-------------------|-----------------|---------------|-----------------------|
| Coagulating Gland | Epididymis | Mammary Gland | Prostate, Dorsal Lobe |
| Rete Testes | Seminal Vesicle | Testes | |

OBSERVATIONS

| | | |
|------------------------|--------------|------------------|
| Prostate, Ventral Lobe | Inflammation | Chronic, Minimal |
|------------------------|--------------|------------------|

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99930-96
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Endocrine disruptor (Genistein)
CAS Number: 446-72-0

Date Report Requested: 10/19/2014
Time Report Requested: 04:27:02
First Dose M/F: NA / NA
Lab: NCTR

| | | | |
|-----------------------|-----------------------------|---------------------------------|---------------------------|
| ANIMAL ID: 848 | TRT#: 6 | SEX: Male | DAY ON TEST: 162 |
| | DOSE: F3/5PPM TO CTL | DISP: Terminal Sacrifice | HISTO: 21320100848 |

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|-------------------|-----------------|---------------|------------------------|
| Coagulating Gland | Epididymis | Mammary Gland | Prostate, Ventral Lobe |
| Rete Testes | Seminal Vesicle | Testes | |

OBSERVATIONS

| | | |
|-----------------------|--------------|----------------------|
| Prostate, Dorsal Lobe | Inflammation | Suppurative, Minimal |
|-----------------------|--------------|----------------------|

PRIMARY CAUSE OF DEATH

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99930-96
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Endocrine disruptor (Genistein)
CAS Number: 446-72-0

Date Report Requested: 10/19/2014
Time Report Requested: 04:27:02
First Dose M/F: NA / NA
Lab: NCTR

| | | | |
|-----------------------|-----------------------------|---------------------------------|---------------------------|
| ANIMAL ID: 849 | TRT#: 6 | SEX: Male | DAY ON TEST: 161 |
| | DOSE: F3/5PPM TO CTL | DISP: Terminal Sacrifice | HISTO: 21320100849 |

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|-------------------|---------------|-----------------------|-----------------|
| Coagulating Gland | Mammary Gland | Prostate, Dorsal Lobe | Seminal Vesicle |
|-------------------|---------------|-----------------------|-----------------|

OBSERVATIONS

| | | | |
|------------------------|-------------|--------------|------------------|
| Epididymis | | Hypospermia | Marked |
| Prostate, Ventral Lobe | | Inflammation | Chronic, Minimal |
| Rete Testes | | Dilatation | Marked |
| Testes | Seminif Tub | Degeneration | Marked |

PRIMARY CAUSE OF DEATH

-

Experiment Number: 99930-96
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Endocrine disruptor (Genistein)
CAS Number: 446-72-0

Date Report Requested: 10/19/2014
Time Report Requested: 04:27:02
First Dose M/F: NA / NA
Lab: NCTR

| | | | |
|-----------------------|-----------------------------|---------------------------------|---------------------------|
| ANIMAL ID: 850 | TRT#: 6 | SEX: Male | DAY ON TEST: 160 |
| | DOSE: F3/5PPM TO CTL | DISP: Terminal Sacrifice | HISTO: 21320100850 |

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|-------------------|-----------------|---------------|-----------------------|
| Coagulating Gland | Epididymis | Mammary Gland | Prostate, Dorsal Lobe |
| Rete Testes | Seminal Vesicle | Testes | |

OBSERVATIONS

| | | |
|------------------------|--------------|------------------|
| Prostate, Ventral Lobe | Inflammation | Chronic, Minimal |
|------------------------|--------------|------------------|

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99930-96
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Endocrine disruptor (Genistein)
CAS Number: 446-72-0

Date Report Requested: 10/19/2014
Time Report Requested: 04:27:02
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 851

TRT#: 7

SEX: Male

DAY ON TEST: 162

DOSE: F3/100PPM TO CTL

DISP: Terminal Sacrifice

HISTO: 21320100851

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Coagulating Gland
Prostate, Dorsal Lobe
Testes

Epididymis
Prostate, Ventral Lobe

Mammary Gland
Rete Testes

Prostate
Seminal Vesicle

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99930-96
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Endocrine disruptor (Genistein)
CAS Number: 446-72-0

Date Report Requested: 10/19/2014
Time Report Requested: 04:27:02
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 852

TRT#: 7

SEX: Male

DAY ON TEST: 162

DOSE: F3/100PPM TO CTL

DISP: Terminal Sacrifice

HISTO: 21320100852

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Coagulating Gland
Rete Testes

Epididymis
Seminal Vesicle

Mammary Gland
Testes

Prostate, Dorsal Lobe

OBSERVATIONS

Prostate, Ventral Lobe

Inflammation

Chronic, Minimal

Note: TGL # 01 - NO MICROSCOPIC CORRELATE

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99930-96
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Endocrine disruptor (Genistein)
CAS Number: 446-72-0

Date Report Requested: 10/19/2014
Time Report Requested: 04:27:02
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 853

TRT#: 7

SEX: Male

DAY ON TEST: 161

DOSE: F3/100PPM TO CTL

DISP: Terminal Sacrifice

HISTO: 21320100853

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Coagulating Gland
Seminal Vesicle

Epididymis

Mammary Gland

Rete Testes

OBSERVATIONS

Prostate, Dorsal Lobe

Inflammation

Chronic, Minimal

Inflammation

Suppurative, Minimal

Prostate, Ventral Lobe

Inflammation

Chronic, Mild

Testes

Seminif Tub

Degeneration

Marked

[Degeneration TGLS = 1-7]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99930-96
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Endocrine disruptor (Genistein)
CAS Number: 446-72-0

Date Report Requested: 10/19/2014
Time Report Requested: 04:27:02
First Dose M/F: NA / NA
Lab: NCTR

| | | | |
|-----------------------|-------------------------------|---------------------------------|---------------------------|
| ANIMAL ID: 854 | TRT#: 7 | SEX: Male | DAY ON TEST: 161 |
| | DOSE: F3/100PPM TO CTL | DISP: Terminal Sacrifice | HISTO: 21320100854 |

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|-------------------|------------|-------------|-----------------|
| Coagulating Gland | Epididymis | Rete Testes | Seminal Vesicle |
|-------------------|------------|-------------|-----------------|

OBSERVATIONS

| | | | |
|------------------------|-------------|--------------|----------------------|
| Mammary Gland | Alveolus | Hyperplasia | Minimal |
| Prostate, Dorsal Lobe | | Inflammation | Suppurative, Minimal |
| Prostate, Ventral Lobe | | Inflammation | Chronic, Minimal |
| Testes | Seminif Tub | Degeneration | Minimal |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99930-96
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Endocrine disruptor (Genistein)
CAS Number: 446-72-0

Date Report Requested: 10/19/2014
Time Report Requested: 04:27:02
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 855

TRT#: 8

SEX: Male

DAY ON TEST: 162

DOSE: F3/500PPM TO CTL

DISP: Terminal Sacrifice

HISTO: 21320100855

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Cortex
Coagulating Gland
Prostate
Seminal Vesicle
Thyroid Gland

Adrenal Medulla
Epididymis
Prostate, Dorsal Lobe
Skin

Bone Marrow
Mammary Gland
Prostate, Ventral Lobe
Testes

Bone, Femur
Pituitary Gland
Rete Testes
Thymus

OBSERVATIONS

Kidney
Liver
Spleen

Inflammation
Inflammation
Pigmentation

Chronic, Minimal
Chronic, Minimal
Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99930-96
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Endocrine disruptor (Genistein)
CAS Number: 446-72-0

Date Report Requested: 10/19/2014
Time Report Requested: 04:27:02
First Dose M/F: NA / NA
Lab: NCTR

| | | | |
|-----------------------|-------------------------------|---------------------------------|---------------------------|
| ANIMAL ID: 856 | TRT#: 8 | SEX: Male | DAY ON TEST: 161 |
| | DOSE: F3/500PPM TO CTL | DISP: Terminal Sacrifice | HISTO: 21320100856 |

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|-----------------------|-----------------|-----------------|-----------------|
| Adrenal Cortex | Adrenal Medulla | Bone Marrow | Bone, Femur |
| Coagulating Gland | Epididymis | Kidney | Pituitary Gland |
| Prostate, Dorsal Lobe | Rete Testes | Seminal Vesicle | Skin |
| Testes | Thymus | Thyroid Gland | |

OBSERVATIONS

| | | | |
|------------------------|------|--------------|----------------------|
| Liver | | Inflammation | Chronic, Minimal |
| Mammary Gland | Duct | Hyperplasia | Minimal |
| Prostate, Ventral Lobe | | Inflammation | Chronic, Minimal |
| | | Inflammation | Suppurative, Minimal |
| Spleen | | Pigmentation | Minimal |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99930-96
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Endocrine disruptor (Genistein)
CAS Number: 446-72-0

Date Report Requested: 10/19/2014
Time Report Requested: 04:27:02
First Dose M/F: NA / NA
Lab: NCTR

| | | | |
|-----------------------|-------------------------------|---------------------------------|---------------------------|
| ANIMAL ID: 857 | TRT#: 8 | SEX: Male | DAY ON TEST: 161 |
| | DOSE: F3/500PPM TO CTL | DISP: Terminal Sacrifice | HISTO: 21320100857 |

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|-------------------|-----------------|-----------------|-----------------------|
| Adrenal Cortex | Adrenal Medulla | Bone Marrow | Bone, Femur |
| Coagulating Gland | Epididymis | Pituitary Gland | Prostate, Dorsal Lobe |
| Rete Testes | Seminal Vesicle | Skin | Spleen |
| Testes | Thymus | Thyroid Gland | |

OBSERVATIONS

| | | | |
|------------------------|--------------|--------------|------------------|
| Kidney | | Inflammation | Chronic, Minimal |
| | Renal Tubule | Regeneration | Minimal |
| Liver | | Inflammation | Chronic, Minimal |
| Mammary Gland | Alveolus | Hyperplasia | Minimal |
| Prostate, Ventral Lobe | | Inflammation | Chronic, Mild |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99930-96
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Endocrine disruptor (Genistein)
CAS Number: 446-72-0

Date Report Requested: 10/19/2014
Time Report Requested: 04:27:02
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 858

TRT#: 8

SEX: Male

DAY ON TEST: 161

DOSE: F3/500PPM TO CTL

DISP: Terminal Sacrifice

HISTO: 21320100858

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|-------------------|-----------------|---------------|-----------------|
| Adrenal Cortex | Adrenal Medulla | Bone Marrow | Bone, Femur |
| Coagulating Gland | Epididymis | Mammary Gland | Pituitary Gland |
| Rete Testes | Seminal Vesicle | Skin | Spleen |
| Testes | Thymus | Thyroid Gland | |

OBSERVATIONS

| | | |
|------------------------|--------------|----------------------|
| Kidney | Inflammation | Chronic, Minimal |
| Liver | Inflammation | Chronic, Minimal |
| Prostate, Dorsal Lobe | Inflammation | Chronic, Minimal |
| Prostate, Ventral Lobe | Inflammation | Chronic, Minimal |
| | Inflammation | Suppurative, Minimal |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99930-96
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Endocrine disruptor (Genistein)
CAS Number: 446-72-0

Date Report Requested: 10/19/2014
Time Report Requested: 04:27:02
First Dose M/F: NA / NA
Lab: NCTR

| | | | |
|-----------------------|-------------------------------|---------------------------------|---------------------------|
| ANIMAL ID: 859 | TRT#: 8 | SEX: Male | DAY ON TEST: 161 |
| | DOSE: F3/500PPM TO CTL | DISP: Terminal Sacrifice | HISTO: 21320100859 |

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|-------------------|-----------------|---------------|-----------------|
| Adrenal Cortex | Adrenal Medulla | Bone Marrow | Bone, Femur |
| Coagulating Gland | Epididymis | Mammary Gland | Pituitary Gland |
| Rete Testes | Seminal Vesicle | Skin | Testes |
| Thymus | Thyroid Gland | | |

OBSERVATIONS

| | | | |
|------------------------|--------------|--------------|------------------|
| Kidney | | Inflammation | Chronic, Minimal |
| | Renal Tubule | Regeneration | Minimal |
| Liver | | Inflammation | Chronic, Minimal |
| Prostate, Dorsal Lobe | | Inflammation | Chronic, Minimal |
| Prostate, Ventral Lobe | | Inflammation | Chronic, Mild |
| Spleen | | Pigmentation | Minimal |

PRIMARY CAUSE OF DEATH

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99930-96
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Endocrine disruptor (Genistein)
CAS Number: 446-72-0

Date Report Requested: 10/19/2014
Time Report Requested: 04:27:02
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 860

TRT#: 8

SEX: Male

DAY ON TEST: 160

DOSE: F3/500PPM TO CTL

DISP: Terminal Sacrifice

HISTO: 21320100860

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|-------------------|-----------------|-----------------|-------------|
| Adrenal Cortex | Adrenal Medulla | Bone Marrow | Bone, Femur |
| Coagulating Gland | Epididymis | Pituitary Gland | Rete Testes |
| Seminal Vesicle | Skin | Spleen | Testes |
| Thymus | Thyroid Gland | | |

OBSERVATIONS

| | | | |
|------------------------|--------------|--------------|----------------------|
| Kidney | | Inflammation | Chronic, Minimal |
| | Renal Tubule | Regeneration | Minimal |
| Liver | | Inflammation | Chronic, Minimal |
| Mammary Gland | Duct | Hyperplasia | Mild |
| Prostate, Dorsal Lobe | | Inflammation | Suppurative, Minimal |
| Prostate, Ventral Lobe | | Inflammation | Chronic, Minimal |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99930-96
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Endocrine disruptor (Genistein)
CAS Number: 446-72-0

Date Report Requested: 10/19/2014
Time Report Requested: 04:27:02
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 861

TRT#: 6

SEX: Male

DAY ON TEST: 161

DOSE: F3/5PPM TO CTL

DISP: Terminal Sacrifice

HISTO: 21320100861

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Coagulating Gland
Rete Testes

Epididymis
Seminal Vesicle

Mammary Gland
Testes

Prostate, Dorsal Lobe

OBSERVATIONS

Prostate, Ventral Lobe

Inflammation

Chronic, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99930-96
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Endocrine disruptor (Genistein)
CAS Number: 446-72-0

Date Report Requested: 10/19/2014
Time Report Requested: 04:27:02
First Dose M/F: NA / NA
Lab: NCTR

| | | | |
|-----------------------|-----------------------|---------------------------------|---------------------------|
| ANIMAL ID: 884 | TRT#: 5 | SEX: Male | DAY ON TEST: 162 |
| | DOSE: F3 0 PPM | DISP: Terminal Sacrifice | HISTO: 21320100884 |

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|-----------------------|-----------------|-----------------|-----------------|
| Adrenal Cortex | Adrenal Medulla | Bone Marrow | Bone, Femur |
| Coagulating Gland | Epididymis | Mammary Gland | Pituitary Gland |
| Prostate, Dorsal Lobe | Rete Testes | Seminal Vesicle | Skin |
| Testes | Thymus | Thyroid Gland | |

OBSERVATIONS

| | | | |
|---|--------------|----------------------------|------------------|
| Kidney | Renal Tubule | Dilatation | Mild |
| Liver | | Fibrosis | Mild |
| | | Hepatodiaphragmatic Nodule | |
| [Hepatodiaphragmatic Nodule TGLS = 1-5] | | | |
| Prostate, Ventral Lobe | | Inflammation | Chronic, Minimal |
| Spleen | Adventitia | Inflammation | Chronic, Mild |

PRIMARY CAUSE OF DEATH

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99930-96
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Endocrine disruptor (Genistein)
CAS Number: 446-72-0

Date Report Requested: 10/19/2014
Time Report Requested: 04:27:02
First Dose M/F: NA / NA
Lab: NCTR

| | | | |
|-----------------------|-----------------------|---------------------------------|---------------------------|
| ANIMAL ID: 885 | TRT#: 5 | SEX: Male | DAY ON TEST: 162 |
| | DOSE: F3 0 PPM | DISP: Terminal Sacrifice | HISTO: 21320100885 |

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|-------------------|-----------------|-----------------|------------------------|
| Adrenal Cortex | Adrenal Medulla | Bone Marrow | Bone, Femur |
| Coagulating Gland | Epididymis | Pituitary Gland | Prostate, Ventral Lobe |
| Rete Testes | Seminal Vesicle | Skin | Spleen |
| Testes | Thyroid Gland | | |

OBSERVATIONS

| | | | |
|-----------------------|--------------|--------------|----------------------|
| Kidney | | Inflammation | Chronic, Minimal |
| Liver | | Inflammation | Chronic, Minimal |
| Mammary Gland | Alveolus | Hyperplasia | Minimal |
| Prostate, Dorsal Lobe | | Inflammation | Suppurative, Minimal |
| | | Inflammation | Chronic, Minimal |
| Thymus | Epithel Cell | Hyperplasia | Mild |

PRIMARY CAUSE OF DEATH

-

Experiment Number: 99930-96
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Endocrine disruptor (Genistein)
CAS Number: 446-72-0

Date Report Requested: 10/19/2014
Time Report Requested: 04:27:02
First Dose M/F: NA / NA
Lab: NCTR

| | | | |
|-----------------------|-----------------------|---------------------------------|---------------------------|
| ANIMAL ID: 886 | TRT#: 5 | SEX: Male | DAY ON TEST: 161 |
| | DOSE: F3 0 PPM | DISP: Terminal Sacrifice | HISTO: 21320100886 |

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|-----------------|-----------------|-----------------|-----------------------|
| Adrenal Medulla | Bone Marrow | Bone, Femur | Coagulating Gland |
| Liver | Mammary Gland | Pituitary Gland | Prostate, Dorsal Lobe |
| Rete Testes | Seminal Vesicle | Skin | Spleen |
| Testes | Thymus | | |

OBSERVATIONS

| | | |
|------------------------|-----------------------------------|---------------------|
| Adrenal Cortex | Accessory Adrenal Cortical Nodule | |
| Epididymis | Infiltration Cellular | Lymphocyte, Minimal |
| Kidney | Inflammation | Chronic, Minimal |
| Prostate, Ventral Lobe | Inflammation | Chronic, Minimal |
| Thyroid Gland | Inflammation | Chronic, Minimal |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99930-96
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Endocrine disruptor (Genistein)
CAS Number: 446-72-0

Date Report Requested: 10/19/2014
Time Report Requested: 04:27:02
First Dose M/F: NA / NA
Lab: NCTR

| | | | |
|-----------------------|-----------------------|---------------------------------|---------------------------|
| ANIMAL ID: 887 | TRT#: 5 | SEX: Male | DAY ON TEST: 161 |
| | DOSE: F3 0 PPM | DISP: Terminal Sacrifice | HISTO: 21320100887 |

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|-------------------|-----------------|---------------|------------------------|
| Adrenal Cortex | Adrenal Medulla | Bone Marrow | Bone, Femur |
| Coagulating Gland | Epididymis | Mammary Gland | Prostate, Ventral Lobe |
| Rete Testes | Seminal Vesicle | Skin | Thymus |
| Thyroid Gland | | | |

OBSERVATIONS

| | | | |
|-----------------------|---------------|--------------|------------------|
| Kidney | | Inflammation | Chronic, Minimal |
| Liver | | Inflammation | Chronic, Minimal |
| Pituitary Gland | Pars Distalis | Cyst | Multiple |
| Prostate, Dorsal Lobe | | Inflammation | Chronic, Minimal |
| Spleen | | Pigmentation | Minimal |
| Testes | Seminif Tub | Degeneration | Minimal |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99930-96
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Endocrine disruptor (Genistein)
CAS Number: 446-72-0

Date Report Requested: 10/19/2014
Time Report Requested: 04:27:02
First Dose M/F: NA / NA
Lab: NCTR

| | | | |
|-----------------------|-----------------------|---------------------------------|---------------------------|
| ANIMAL ID: 888 | TRT#: 5 | SEX: Male | DAY ON TEST: 161 |
| | DOSE: F3 0 PPM | DISP: Terminal Sacrifice | HISTO: 21320100888 |

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|-------------------|-----------------------|-------------|-----------------|
| Adrenal Cortex | Adrenal Medulla | Bone Marrow | Bone, Femur |
| Coagulating Gland | Epididymis | Liver | Mammary Gland |
| Pituitary Gland | Prostate, Dorsal Lobe | Rete Testes | Seminal Vesicle |
| Skin | Spleen | Testes | Thymus |
| Thyroid Gland | | | |

OBSERVATIONS

| | | | |
|------------------------|--------------|--------------|------------------|
| Kidney | | Inflammation | Chronic, Minimal |
| | Renal Tubule | Regeneration | Minimal |
| Prostate, Ventral Lobe | | Inflammation | Chronic, Minimal |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99930-96
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Endocrine disruptor (Genistein)
CAS Number: 446-72-0

Date Report Requested: 10/19/2014
Time Report Requested: 04:27:02
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 889

TRT#: 5

SEX: Male

DAY ON TEST: 161

DOSE: F3 0 PPM

DISP: Terminal Sacrifice

HISTO: 21320100889

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|-----------------|-----------------|-----------------|-------------------|
| Adrenal Medulla | Bone Marrow | Bone, Femur | Coagulating Gland |
| Mammary Gland | Pituitary Gland | Seminal Vesicle | Skin |
| Spleen | Thymus | Thyroid Gland | |

OBSERVATIONS

| | | | |
|---|--------------|-----------------------------------|------------------|
| Adrenal Cortex | | Accessory Adrenal Cortical Nodule | |
| Epididymis | | Degeneration | Moderate |
| | | Hypospermia | Marked |
| Kidney | Renal Tubule | Dilatation | Minimal |
| | | Inflammation | Chronic, Minimal |
| | Renal Tubule | Regeneration | Minimal |
| Liver | | Inflammation | Chronic, Minimal |
| Prostate, Dorsal Lobe | | Inflammation | Chronic, Minimal |
| Prostate, Ventral Lobe | | Inflammation | Chronic, Mild |
| Rete Testes | | Dilatation | Marked |
| Sem Ves | | | |
| Note: TGL # 03 - NO MICROSCOPIC CORRELATE | | | |
| Testes | Seminif Tub | Degeneration | Marked |
| Note: TGL # 01 - NO SECTION TAKEN | | | |
| [Degeneration TGLS = 2-7] | | | |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99930-96
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Endocrine disruptor (Genistein)
CAS Number: 446-72-0

Date Report Requested: 10/19/2014
Time Report Requested: 04:27:02
First Dose M/F: NA / NA
Lab: NCTR

| | | | |
|-----------------------|-----------------------|---------------------------------|---------------------------|
| ANIMAL ID: 890 | TRT#: 5 | SEX: Male | DAY ON TEST: 161 |
| | DOSE: F3 0 PPM | DISP: Terminal Sacrifice | HISTO: 21320100890 |

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|-----------------------|-----------------|-----------------|-----------------|
| Adrenal Cortex | Adrenal Medulla | Bone Marrow | Bone, Femur |
| Coagulating Gland | Epididymis | Mammary Gland | Pituitary Gland |
| Prostate, Dorsal Lobe | Rete Testes | Seminal Vesicle | Skin |
| Spleen | Testes | Thymus | Thyroid Gland |

OBSERVATIONS

| | | |
|------------------------|--------------|------------------|
| Kidney | Inflammation | Chronic, Minimal |
| Liver | Inflammation | Chronic, Minimal |
| Prostate, Ventral Lobe | Inflammation | Chronic, Minimal |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99930-96
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Endocrine disruptor (Genistein)
CAS Number: 446-72-0

Date Report Requested: 10/19/2014
Time Report Requested: 04:27:02
First Dose M/F: NA / NA
Lab: NCTR

| | | | |
|-----------------------|-----------------------------|---------------------------------|---------------------------|
| ANIMAL ID: 891 | TRT#: 6 | SEX: Male | DAY ON TEST: 162 |
| | DOSE: F3/5PPM TO CTL | DISP: Terminal Sacrifice | HISTO: 21320100891 |

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|-------------------|------------|---------------|-------------|
| Coagulating Gland | Epididymis | Mammary Gland | Rete Testes |
| Seminal Vesicle | Testes | | |

OBSERVATIONS

| | | |
|------------------------|--------------|----------------------|
| Prostate, Dorsal Lobe | Inflammation | Suppurative, Minimal |
| Prostate, Ventral Lobe | Inflammation | Chronic, Minimal |
| | Inflammation | Suppurative, Minimal |

PRIMARY CAUSE OF DEATH

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99930-96
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Endocrine disruptor (Genistein)
CAS Number: 446-72-0

Date Report Requested: 10/19/2014
Time Report Requested: 04:27:02
First Dose M/F: NA / NA
Lab: NCTR

| | | | |
|-----------------------|-----------------------------|---------------------------------|---------------------------|
| ANIMAL ID: 892 | TRT#: 6 | SEX: Male | DAY ON TEST: 161 |
| | DOSE: F3/5PPM TO CTL | DISP: Terminal Sacrifice | HISTO: 21320100892 |

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|-------------------|-----------------|---------------|-----------------------|
| Coagulating Gland | Epididymis | Mammary Gland | Prostate, Dorsal Lobe |
| Rete Testes | Seminal Vesicle | Testes | |

OBSERVATIONS

Adrenal GI
Note: TGL # 01 - NO MICROSCOPIC CORRELATE

| | | |
|------------------------|--------------|------------------|
| Prostate, Ventral Lobe | Inflammation | Chronic, Minimal |
|------------------------|--------------|------------------|

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99930-96
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Endocrine disruptor (Genistein)
CAS Number: 446-72-0

Date Report Requested: 10/19/2014
Time Report Requested: 04:27:02
First Dose M/F: NA / NA
Lab: NCTR

| | | | |
|-----------------------|-----------------------------|---------------------------------|---------------------------|
| ANIMAL ID: 893 | TRT#: 6 | SEX: Male | DAY ON TEST: 161 |
| | DOSE: F3/5PPM TO CTL | DISP: Terminal Sacrifice | HISTO: 21320100893 |

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|-------------------|------------|---------------|----------|
| Coagulating Gland | Epididymis | Mammary Gland | Prostate |
|-------------------|------------|---------------|----------|

OBSERVATIONS

| | | | |
|---|-----------|--------------|---------------|
| Ductus Deferens [Ectasia TGLS = 4-8] | | Ectasia | Marked |
| Prostate, Dorsal Lobe [Ectasia TGLS = 3-6] | Lymphatic | Ectasia | Marked |
| Prostate, Ventral Lobe | | Inflammation | Chronic, Mild |
| Rete Testes | | Dilatation | Mild |
| Note: TGL # 01- NO MICROSCOPIC CORRELATE | | | |
| Seminal Vesicle [Ectasia TGLS = 2-6.1] | Lymphatic | Ectasia | Marked |

PRIMARY CAUSE OF DEATH

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99930-96
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Endocrine disruptor (Genistein)
CAS Number: 446-72-0

Date Report Requested: 10/19/2014
Time Report Requested: 04:27:02
First Dose M/F: NA / NA
Lab: NCTR

| | | | |
|-----------------------|-----------------------------|---------------------------------|---------------------------|
| ANIMAL ID: 894 | TRT#: 6 | SEX: Male | DAY ON TEST: 160 |
| | DOSE: F3/5PPM TO CTL | DISP: Terminal Sacrifice | HISTO: 21320100894 |

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|-------------------|-----------------|---------------|-----------------------|
| Coagulating Gland | Epididymis | Mammary Gland | Prostate, Dorsal Lobe |
| Rete Testes | Seminal Vesicle | Testes | |

OBSERVATIONS

| | | |
|------------------------|--------------|----------------------|
| Prostate, Ventral Lobe | Inflammation | Suppurative, Minimal |
| | Inflammation | Chronic, Mild |

PRIMARY CAUSE OF DEATH

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99930-96
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Endocrine disruptor (Genistein)
CAS Number: 446-72-0

Date Report Requested: 10/19/2014
Time Report Requested: 04:27:02
First Dose M/F: NA / NA
Lab: NCTR

| | | | |
|-----------------------|-----------------------------|---------------------------------|---------------------------|
| ANIMAL ID: 895 | TRT#: 6 | SEX: Male | DAY ON TEST: 160 |
| | DOSE: F3/5PPM TO CTL | DISP: Terminal Sacrifice | HISTO: 21320100895 |

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|-------------------|-----------------|---------------|-----------------------|
| Coagulating Gland | Epididymis | Mammary Gland | Prostate, Dorsal Lobe |
| Rete Testes | Seminal Vesicle | Testes | |

OBSERVATIONS

| | | |
|------------------------|--------------|------------------|
| Prostate, Ventral Lobe | Inflammation | Chronic, Minimal |
|------------------------|--------------|------------------|

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99930-96
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Endocrine disruptor (Genistein)
CAS Number: 446-72-0

Date Report Requested: 10/19/2014
Time Report Requested: 04:27:02
First Dose M/F: NA / NA
Lab: NCTR

| | | | |
|-----------------------|-------------------------------|---------------------------------|---------------------------|
| ANIMAL ID: 896 | TRT#: 7 | SEX: Male | DAY ON TEST: 162 |
| | DOSE: F3/100PPM TO CTL | DISP: Terminal Sacrifice | HISTO: 21320100896 |

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|-----------------------------|------------|-------------|-----------------|
| Coagulating Gland Testes | Epididymis | Rete Testes | Seminal Vesicle |
|-----------------------------|------------|-------------|-----------------|

OBSERVATIONS

| | | | |
|------------------------|----------|--------------|----------------------|
| Mammary Gland | Alveolus | Hyperplasia | Minimal |
| Prostate, Dorsal Lobe | | Inflammation | Suppurative, Mild |
| Prostate, Ventral Lobe | | Inflammation | Chronic, Mild |
| | | Inflammation | Suppurative, Minimal |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99930-96
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Endocrine disruptor (Genistein)
CAS Number: 446-72-0

Date Report Requested: 10/19/2014
Time Report Requested: 04:27:02
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 897

TRT#: 7

SEX: Male

DAY ON TEST: 162

DOSE: F3/100PPM TO CTL

DISP: Terminal Sacrifice

HISTO: 21320100897

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Coagulating Gland
Rete Testes

Epididymis
Seminal Vesicle

Mammary Gland
Testes

Prostate, Dorsal Lobe

OBSERVATIONS

Prostate, Ventral Lobe

Inflammation

Chronic, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99930-96
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Endocrine disruptor (Genistein)
CAS Number: 446-72-0

Date Report Requested: 10/19/2014
Time Report Requested: 04:27:02
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 898

TRT#: 7

SEX: Male

DAY ON TEST: 162

DOSE: F3/100PPM TO CTL

DISP: Terminal Sacrifice

HISTO: 21320100898

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Coagulating Gland
Seminal Vesicle

Epididymis
Testes

Mammary Gland

Rete Testes

OBSERVATIONS

Prostate, Dorsal Lobe
Prostate, Ventral Lobe

Inflammation
Inflammation
Inflammation

Suppurative, Minimal
Chronic, Mild
Suppurative, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99930-96
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Endocrine disruptor (Genistein)
CAS Number: 446-72-0

Date Report Requested: 10/19/2014
Time Report Requested: 04:27:02
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 899

TRT#: 7

SEX: Male

DAY ON TEST: 161

DOSE: F3/100PPM TO CTL

DISP: Terminal Sacrifice

HISTO: 21320100899

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Coagulating Gland
Seminal Vesicle

Epididymis
Testes

Prostate, Dorsal Lobe

Rete Testes

OBSERVATIONS

Mammary Gland
Prostate, Ventral Lobe

Alveolus

Hyperplasia
Inflammation

Minimal
Chronic, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99930-96
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Endocrine disruptor (Genistein)
CAS Number: 446-72-0

Date Report Requested: 10/19/2014
Time Report Requested: 04:27:02
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 900

TRT#: 7

SEX: Male

DAY ON TEST: 161

DOSE: F3/100PPM TO CTL

DISP: Terminal Sacrifice

HISTO: 21320100900

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Coagulating Gland
Rete Testes

Epididymis
Seminal Vesicle

Mammary Gland
Testes

Prostate, Dorsal Lobe

OBSERVATIONS

Penis

Note: TGL # 01 - NO MICROSCOPIC CORRELATE

Prostate, Ventral Lobe

Inflammation

Chronic, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99930-96
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Endocrine disruptor (Genistein)
CAS Number: 446-72-0

Date Report Requested: 10/19/2014
Time Report Requested: 04:27:02
First Dose M/F: NA / NA
Lab: NCTR

| | | | |
|-----------------------|-------------------------------|---------------------------------|---------------------------|
| ANIMAL ID: 901 | TRT#: 7 | SEX: Male | DAY ON TEST: 161 |
| | DOSE: F3/100PPM TO CTL | DISP: Terminal Sacrifice | HISTO: 21320100901 |

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|-----------------------------|------------|-------------|-----------------|
| Coagulating Gland Testes | Epididymis | Rete Testes | Seminal Vesicle |
|-----------------------------|------------|-------------|-----------------|

OBSERVATIONS

| | | | |
|------------------------|----------|--------------|----------------------|
| Mammary Gland | Alveolus | Hyperplasia | Minimal |
| Prostate, Dorsal Lobe | | Inflammation | Suppurative, Minimal |
| Prostate, Ventral Lobe | | Inflammation | Chronic, Mild |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99930-96
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Endocrine disruptor (Genistein)
CAS Number: 446-72-0

Date Report Requested: 10/19/2014
Time Report Requested: 04:27:02
First Dose M/F: NA / NA
Lab: NCTR

| | | | |
|-----------------------|-------------------------------|---------------------------------|---------------------------|
| ANIMAL ID: 902 | TRT#: 7 | SEX: Male | DAY ON TEST: 161 |
| | DOSE: F3/100PPM TO CTL | DISP: Terminal Sacrifice | HISTO: 21320100902 |

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|-------------------|------------|---------------|-------------|
| Coagulating Gland | Epididymis | Mammary Gland | Rete Testes |
| Seminal Vesicle | Testes | | |

OBSERVATIONS

| | | |
|------------------------|--------------|-----------------------|
| Prostate, Dorsal Lobe | Inflammation | Chronic, Mild |
| | Inflammation | Suppurative, Moderate |
| Prostate, Ventral Lobe | Inflammation | Suppurative, Mild |
| | Inflammation | Chronic, Mild |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99930-96
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Endocrine disruptor (Genistein)
CAS Number: 446-72-0

Date Report Requested: 10/19/2014
Time Report Requested: 04:27:02
First Dose M/F: NA / NA
Lab: NCTR

| | | | |
|-----------------------|-------------------------------|---------------------------------|---------------------------|
| ANIMAL ID: 903 | TRT#: 8 | SEX: Male | DAY ON TEST: 162 |
| | DOSE: F3/500PPM TO CTL | DISP: Terminal Sacrifice | HISTO: 21320100903 |

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|-------------------|-----------------|-----------------|-----------------------|
| Adrenal Cortex | Adrenal Medulla | Bone Marrow | Bone, Femur |
| Coagulating Gland | Epididymis | Pituitary Gland | Prostate, Dorsal Lobe |
| Rete Testes | Seminal Vesicle | Skin | Spleen |
| Testes | Thymus | Thyroid Gland | |

OBSERVATIONS

| | | | |
|------------------------|----------|--------------|------------------|
| Kidney | | Inflammation | Chronic, Minimal |
| Liver | | Inflammation | Chronic, Minimal |
| Mammary Gland | Alveolus | Hyperplasia | Moderate |
| Prostate, Ventral Lobe | | Inflammation | Chronic, Minimal |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99930-96
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Endocrine disruptor (Genistein)
CAS Number: 446-72-0

Date Report Requested: 10/19/2014
Time Report Requested: 04:27:02
First Dose M/F: NA / NA
Lab: NCTR

| | | | |
|-----------------------|-------------------------------|---------------------------------|---------------------------|
| ANIMAL ID: 904 | TRT#: 8 | SEX: Male | DAY ON TEST: 161 |
| | DOSE: F3/500PPM TO CTL | DISP: Terminal Sacrifice | HISTO: 21320100904 |

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|-------------------|-----------------|---------------|-----------------|
| Adrenal Cortex | Adrenal Medulla | Bone Marrow | Bone, Femur |
| Coagulating Gland | Epididymis | Mammary Gland | Pituitary Gland |
| Rete Testes | Seminal Vesicle | Skin | Spleen |
| Testes | Thymus | Thyroid Gland | |

OBSERVATIONS

| | | | |
|------------------------|--------------|--------------|------------------|
| Kidney | Renal Tubule | Regeneration | Minimal |
| Liver | | Inflammation | Chronic, Minimal |
| Prostate, Dorsal Lobe | | Inflammation | Chronic, Minimal |
| Prostate, Ventral Lobe | | Inflammation | Chronic, Mild |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99930-96
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Endocrine disruptor (Genistein)
CAS Number: 446-72-0

Date Report Requested: 10/19/2014
Time Report Requested: 04:27:02
First Dose M/F: NA / NA
Lab: NCTR

| | | | |
|-----------------------|-------------------------------|---------------------------------|---------------------------|
| ANIMAL ID: 905 | TRT#: 8 | SEX: Male | DAY ON TEST: 161 |
| | DOSE: F3/500PPM TO CTL | DISP: Terminal Sacrifice | HISTO: 21320100905 |

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|-------------------|-----------------|-----------------|-------------|
| Adrenal Cortex | Adrenal Medulla | Bone Marrow | Bone, Femur |
| Coagulating Gland | Epididymis | Pituitary Gland | Rete Testes |
| Seminal Vesicle | Skin | Spleen | Testes |
| Thymus | Thyroid Gland | | |

OBSERVATIONS

| | | | |
|------------------------|--------------|--------------|----------------------|
| Kidney | | Inflammation | Chronic, Minimal |
| | Renal Tubule | Regeneration | Minimal |
| Liver | | Inflammation | Chronic, Minimal |
| Mammary Gland | Duct | Hyperplasia | Minimal |
| Prostate, Dorsal Lobe | | Inflammation | Suppurative, Minimal |
| Prostate, Ventral Lobe | | Inflammation | Chronic, Minimal |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99930-96
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Endocrine disruptor (Genistein)
CAS Number: 446-72-0

Date Report Requested: 10/19/2014
Time Report Requested: 04:27:02
First Dose M/F: NA / NA
Lab: NCTR

| | | | |
|-----------------------|-------------------------------|---------------------------------|---------------------------|
| ANIMAL ID: 906 | TRT#: 8 | SEX: Male | DAY ON TEST: 161 |
| | DOSE: F3/500PPM TO CTL | DISP: Terminal Sacrifice | HISTO: 21320100906 |

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|-------------------|-----------------------|-------------|---------------|
| Adrenal Cortex | Adrenal Medulla | Bone Marrow | Bone, Femur |
| Coagulating Gland | Epididymis | Kidney | Mammary Gland |
| Pituitary Gland | Prostate, Dorsal Lobe | Rete Testes | Skin |
| Spleen | Testes | Thymus | Thyroid Gland |

OBSERVATIONS

| | | |
|------------------------|--------------|------------------|
| Liver | Inflammation | Chronic, Minimal |
| Prostate, Ventral Lobe | Inflammation | Chronic, Mild |
| Seminal Vesicle | Dilatation | Mild |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99930-96
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Endocrine disruptor (Genistein)
CAS Number: 446-72-0

Date Report Requested: 10/19/2014
Time Report Requested: 04:27:02
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 940

TRT#: 5
DOSE: F3 0 PPM

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 163
HISTO: 21320100940

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|-----------------|---------------|-----------------|-------------------|
| Adrenal Medulla | Bone Marrow | Bone, Femur | Coagulating Gland |
| Epididymis | Mammary Gland | Pituitary Gland | Seminal Vesicle |
| Skin | Spleen | Testes | Thymus |
| Thyroid Gland | | | |

MISSING

Rete Testes

OBSERVATIONS

| | | |
|------------------------|-----------------------------------|----------------------|
| Adrenal Cortex | Accessory Adrenal Cortical Nodule | |
| Kidney | Inflammation | Chronic, Minimal |
| Liver | Inflammation | Chronic, Minimal |
| Prostate, Dorsal Lobe | Inflammation | Chronic, Minimal |
| Prostate, Ventral Lobe | Inflammation | Suppurative, Minimal |
| | Inflammation | Chronic, Mild |

PRIMARY CAUSE OF DEATH

-

Experiment Number: 99930-96
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Endocrine disruptor (Genistein)
CAS Number: 446-72-0

Date Report Requested: 10/19/2014
Time Report Requested: 04:27:02
First Dose M/F: NA / NA
Lab: NCTR

| | | | |
|-----------------------|-----------------------|---------------------------------|---------------------------|
| ANIMAL ID: 941 | TRT#: 5 | SEX: Male | DAY ON TEST: 161 |
| | DOSE: F3 0 PPM | DISP: Terminal Sacrifice | HISTO: 21320100941 |

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|-------------------|-----------------|-------------|-----------------|
| Adrenal Cortex | Adrenal Medulla | Bone Marrow | Bone, Femur |
| Coagulating Gland | Epididymis | Kidney | Pituitary Gland |
| Rete Testes | Seminal Vesicle | Spleen | Testes |
| Thymus | Thyroid Gland | | |

MISSING

Skin

OBSERVATIONS

| | | | |
|------------------------|----------|---------------------------|----------------------|
| Liver | | Inflammation | Chronic, Minimal |
| | | Vacuolization Cytoplasmic | Minimal |
| Mammary Gland | Alveolus | Hyperplasia | Mild |
| Prostate, Dorsal Lobe | | Inflammation | Chronic, Minimal |
| Prostate, Ventral Lobe | | Inflammation | Chronic, Mild |
| | | Inflammation | Suppurative, Minimal |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99930-96
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Endocrine disruptor (Genistein)
CAS Number: 446-72-0

Date Report Requested: 10/19/2014
Time Report Requested: 04:27:02
First Dose M/F: NA / NA
Lab: NCTR

| | | | |
|-----------------------|-----------------------|---------------------------------|---------------------------|
| ANIMAL ID: 942 | TRT#: 5 | SEX: Male | DAY ON TEST: 159 |
| | DOSE: F3 0 PPM | DISP: Terminal Sacrifice | HISTO: 21320100942 |

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|-------------------|-----------------|-----------------------|-------------|
| Adrenal Cortex | Adrenal Medulla | Bone Marrow | Bone, Femur |
| Coagulating Gland | Epididymis | Prostate, Dorsal Lobe | Rete Testes |
| Seminal Vesicle | Skin | Spleen | Testes |
| Thymus | Thyroid Gland | | |

OBSERVATIONS

| | | | |
|------------------------|---------------|--------------|------------------|
| Kidney | | Inflammation | Chronic, Minimal |
| Liver | | Inflammation | Chronic, Minimal |
| Mammary Gland | Alveolus | Hyperplasia | Minimal |
| Pituitary Gland | Pars Distalis | Cyst | Multiple |
| Prostate, Ventral Lobe | | Inflammation | Chronic, Minimal |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99930-96
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Endocrine disruptor (Genistein)
CAS Number: 446-72-0

Date Report Requested: 10/19/2014
Time Report Requested: 04:27:02
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 943

TRT#: 6

SEX: Male

DAY ON TEST: 164

DOSE: F3/5PPM TO CTL

DISP: Terminal Sacrifice

HISTO: 21320100943

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Coagulating Gland
Prostate, Dorsal Lobe
Testes

Epididymis
Prostate, Ventral Lobe

Mammary Gland
Rete Testes

Prostate
Seminal Vesicle

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99930-96
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Endocrine disruptor (Genistein)
CAS Number: 446-72-0

Date Report Requested: 10/19/2014
Time Report Requested: 04:27:02
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 944

TRT#: 6

SEX: Male

DAY ON TEST: 164

DOSE: F3/5PPM TO CTL

DISP: Terminal Sacrifice

HISTO: 21320100944

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Coagulating Gland
Rete Testes

Epididymis
Seminal Vesicle

Mammary Gland
Testes

Prostate, Dorsal Lobe

OBSERVATIONS

Prostate, Ventral Lobe

Inflammation

Chronic, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99930-96
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Endocrine disruptor (Genistein)
CAS Number: 446-72-0

Date Report Requested: 10/19/2014
Time Report Requested: 04:27:02
First Dose M/F: NA / NA
Lab: NCTR

| | | | |
|-----------------------|-----------------------------|---------------------------------|---------------------------|
| ANIMAL ID: 945 | TRT#: 6 | SEX: Male | DAY ON TEST: 162 |
| | DOSE: F3/5PPM TO CTL | DISP: Terminal Sacrifice | HISTO: 21320100945 |

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|-------------------|-----------------|---------------|-----------------------|
| Coagulating Gland | Epididymis | Mammary Gland | Prostate, Dorsal Lobe |
| Rete Testes | Seminal Vesicle | Testes | |

OBSERVATIONS

| | | |
|------------------------|--------------|----------------------|
| Prostate, Ventral Lobe | Inflammation | Chronic, Minimal |
| | Inflammation | Suppurative, Minimal |

PRIMARY CAUSE OF DEATH

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99930-96
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Endocrine disruptor (Genistein)
CAS Number: 446-72-0

Date Report Requested: 10/19/2014
Time Report Requested: 04:27:02
First Dose M/F: NA / NA
Lab: NCTR

| | | | |
|-----------------------|-------------------------------|---------------------------------|---------------------------|
| ANIMAL ID: 946 | TRT#: 8 | SEX: Male | DAY ON TEST: 161 |
| | DOSE: F3/500PPM TO CTL | DISP: Terminal Sacrifice | HISTO: 21320100946 |

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|-----------------------|------------------------|-----------------|---------------|
| Adrenal Cortex | Adrenal Medulla | Bone Marrow | Bone, Femur |
| Coagulating Gland | Epididymis | Mammary Gland | Prostate |
| Prostate, Dorsal Lobe | Prostate, Ventral Lobe | Seminal Vesicle | Skin |
| Spleen | Testes | Thymus | Thyroid Gland |

MISSING

Rete Testes

OBSERVATIONS

| | | | |
|-----------------|---------------|--------------|------------------|
| Kidney | | Inflammation | Chronic, Minimal |
| | Renal Tubule | Regeneration | Minimal |
| Liver | | Inflammation | Chronic, Minimal |
| Pituitary Gland | Pars Distalis | Cyst | Multiple |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99930-96
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Endocrine disruptor (Genistein)
CAS Number: 446-72-0

Date Report Requested: 10/19/2014
Time Report Requested: 04:27:02
First Dose M/F: NA / NA
Lab: NCTR

| | | | |
|-----------------------|-------------------------------|---------------------------------|---------------------------|
| ANIMAL ID: 947 | TRT#: 8 | SEX: Male | DAY ON TEST: 161 |
| | DOSE: F3/500PPM TO CTL | DISP: Terminal Sacrifice | HISTO: 21320100947 |

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|------------------------|-----------------|-----------------|-----------------|
| Adrenal Cortex | Adrenal Medulla | Bone Marrow | Bone, Femur |
| Coagulating Gland | Kidney | Mammary Gland | Pituitary Gland |
| Prostate, Ventral Lobe | Rete Testes | Seminal Vesicle | Skin |
| Spleen | Testes | Thymus | Thyroid Gland |

OBSERVATIONS

| | | |
|-----------------------|-----------------------|---------------------|
| Epididymis | Infiltration Cellular | Lymphocyte, Minimal |
| Liver | Inflammation | Chronic, Minimal |
| Prostate, Dorsal Lobe | Inflammation | Chronic, Minimal |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99930-96
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Endocrine disruptor (Genistein)
CAS Number: 446-72-0

Date Report Requested: 10/19/2014
Time Report Requested: 04:27:02
First Dose M/F: NA / NA
Lab: NCTR

| | | | |
|-----------------------|-----------------------|---------------------------------|---------------------------|
| ANIMAL ID: 748 | TRT#: 1 | SEX: Female | DAY ON TEST: 161 |
| | DOSE: F3 0 PPM | DISP: Terminal Sacrifice | HISTO: 21320100748 |

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|----------------|-----------------|-------------|-----------------|
| Adrenal Cortex | Adrenal Medulla | Bone Marrow | Bone, Femur |
| Liver | Mammary Gland | Oviduct | Pituitary Gland |
| Skin | Spleen | Thymus | Thyroid Gland |

OBSERVATIONS

| | | |
|--------|-------------------|------|
| Kidney | Mineralization | Mild |
| Ovary | Estrus | |
| Uterus | Decidual Reaction | |
| | Estrus | |
| Vagina | Estrus | |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99930-96
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Endocrine disruptor (Genistein)
CAS Number: 446-72-0

Date Report Requested: 10/19/2014
Time Report Requested: 04:27:02
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 749

TRT#: 1

SEX: Female

DAY ON TEST: 161

DOSE: F3 0 PPM

DISP: Terminal Sacrifice

HISTO: 21320100749

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Medulla
Oviduct
Thymus

Bone Marrow
Pituitary Gland
Thyroid Gland

Bone, Femur
Skin

Liver
Spleen

OBSERVATIONS

Adrenal Cortex
Kidney
Mammary Gland
Ovary
Uterus

Vagina

Alveolus

Hyperplasia
Mineralization
Hyperplasia
Metestrus
Decidual Reaction
Metestrus
Metestrus

Focal, Minimal
Minimal
Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99930-96
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Endocrine disruptor (Genistein)
CAS Number: 446-72-0

Date Report Requested: 10/19/2014
Time Report Requested: 04:27:02
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 750

TRT#: 1

SEX: Female

DAY ON TEST: 161

DOSE: F3 0 PPM

DISP: Terminal Sacrifice

HISTO: 21320100750

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Cortex
Liver
Skin

Adrenal Medulla
Mammary Gland
Spleen

Bone Marrow
Oviduct
Thymus

Bone, Femur
Pituitary Gland
Thyroid Gland

OBSERVATIONS

Kidney
Ovary
Uterus

Vagina

Mineralization
Proestrus
Decidual Reaction
Proestrus
Proestrus

Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99930-96
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Endocrine disruptor (Genistein)
CAS Number: 446-72-0

Date Report Requested: 10/19/2014
Time Report Requested: 04:27:02
First Dose M/F: NA / NA
Lab: NCTR

| | | | |
|-----------------------|-----------------------|---------------------------------|---------------------------|
| ANIMAL ID: 751 | TRT#: 1 | SEX: Female | DAY ON TEST: 161 |
| | DOSE: F3 0 PPM | DISP: Terminal Sacrifice | HISTO: 21320100751 |

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|----------------|-----------------|-----------------|-------------|
| Adrenal Cortex | Adrenal Medulla | Bone Marrow | Bone, Femur |
| Liver | Oviduct | Pituitary Gland | Skin |
| Spleen | Thymus | Thyroid Gland | |

OBSERVATIONS

| | | | |
|---------------|----------|-------------------|------|
| Kidney | | Mineralization | Mild |
| Mammary Gland | Alveolus | Hyperplasia | Mild |
| Ovary | | Estrus | |
| Uterus | | Decidual Reaction | |
| | | Estrus | |
| Vagina | | Estrus | |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99930-96
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Endocrine disruptor (Genistein)
CAS Number: 446-72-0

Date Report Requested: 10/19/2014
Time Report Requested: 04:27:02
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 752

TRT#: 1

SEX: Female

DAY ON TEST: 161

DOSE: F3 0 PPM

DISP: Terminal Sacrifice

HISTO: 21320100752

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Cortex
Liver
Skin

Adrenal Medulla
Mammary Gland
Spleen

Bone Marrow
Oviduct
Thymus

Bone, Femur
Pituitary Gland
Thyroid Gland

MISSING

Vagina

OBSERVATIONS

Kidney
Ovary
Uterus

Mineralization
Estrus
Decidual Reaction
Estrus

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99930-96
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Endocrine disruptor (Genistein)
CAS Number: 446-72-0

Date Report Requested: 10/19/2014
Time Report Requested: 04:27:02
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 753

TRT#: 1

SEX: Female

DAY ON TEST: 160

DOSE: F3 0 PPM

DISP: Terminal Sacrifice

HISTO: 21320100753

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Cortex
Oviduct
Thymus

Adrenal Medulla
Pituitary Gland
Thyroid Gland

Bone Marrow
Skin

Bone, Femur
Spleen

OBSERVATIONS

Kidney
Liver

Mineralization
Developmental Malformation

Minimal

[Developmental Malformation TGLS = 1-5]

Mammary Gland
Ovary
Uterus

Alveolus

Hyperplasia
Metestrus
Decidual Reaction
Metestrus
Metestrus

Mild

Vagina

Metestrus

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99930-96
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Endocrine disruptor (Genistein)
CAS Number: 446-72-0

Date Report Requested: 10/19/2014
Time Report Requested: 04:27:02
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 754

TRT#: 1

SEX: Female

DAY ON TEST: 160

DOSE: F3 0 PPM

DISP: Terminal Sacrifice

HISTO: 21320100754

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Cortex
Liver
Spleen

Adrenal Medulla
Oviduct
Thymus

Bone Marrow
Pituitary Gland
Thyroid Gland

Bone, Femur
Skin

OBSERVATIONS

Kidney

Adenoma
Mineralization

Tubular
Mild

Mammary Gland

Alveolus

Hyperplasia

Moderate

Ovary

Estrus

Uterus

Decidual Reaction

Vagina

Estrus

Estrus

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99930-96
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Endocrine disruptor (Genistein)
CAS Number: 446-72-0

Date Report Requested: 10/19/2014
Time Report Requested: 04:27:02
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 755

TRT#: 2

SEX: Female

DAY ON TEST: 161

DOSE: F3/5PPM TO CTL

DISP: Terminal Sacrifice

HISTO: 21320100755

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Oviduct

OBSERVATIONS

| | | | |
|---------------|----------|-------------------|---------|
| Kidney | | Mineralization | Minimal |
| Mammary Gland | Alveolus | Hyperplasia | Minimal |
| Ovary | | Proestrus | |
| Uterus | | Decidual Reaction | |
| | | Proestrus | |
| Vagina | | Proestrus | |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99930-96
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Endocrine disruptor (Genistein)
CAS Number: 446-72-0

Date Report Requested: 10/19/2014
Time Report Requested: 04:27:02
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 756

TRT#: 2

SEX: Female

DAY ON TEST: 161

DOSE: F3/5PPM TO CTL

DISP: Terminal Sacrifice

HISTO: 21320100756

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Oviduct

OBSERVATIONS

Kidney

Cyst

Mineralization

Minimal

Note: PATHOLOGIST NOTED: CYST ON LEFT KIDNEY

Mammary Gland

Alveolus

Hyperplasia

Moderate

Ovary

Metestrus

Uterus

Decidual Reaction

Metestrus

Vagina

Metestrus

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99930-96
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Endocrine disruptor (Genistein)
CAS Number: 446-72-0

Date Report Requested: 10/19/2014
Time Report Requested: 04:27:02
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 757

TRT#: 2

SEX: Female

DAY ON TEST: 161

DOSE: F3/5PPM TO CTL

DISP: Terminal Sacrifice

HISTO: 21320100757

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Mammary Gland

Oviduct

OBSERVATIONS

Kidney

Mineralization

Mild

Ovary

Metestrus

Uterus

Decidual Reaction

Metestrus

Vagina

Metestrus

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99930-96
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Endocrine disruptor (Genistein)
CAS Number: 446-72-0

Date Report Requested: 10/19/2014
Time Report Requested: 04:27:02
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 758

TRT#: 3

SEX: Female

DAY ON TEST: 161

DOSE: F3/100PPM TO CTL

DISP: Terminal Sacrifice

HISTO: 21320100758

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Mammary Gland

Oviduct

OBSERVATIONS

Kidney

Cyst

Multiple

Mineralization

Minimal

Note: PATHOLOGIST NOTED: CYST ON LEFT KIDNEY

Ovary

Proestrus

Uterus

Decidual Reaction

Proestrus

Note: TGL # 01 - NO MICROSCOPIC CORRELATE

Vagina

Estrus

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99930-96
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Endocrine disruptor (Genistein)
CAS Number: 446-72-0

Date Report Requested: 10/19/2014
Time Report Requested: 04:27:02
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 759

TRT#: 3

SEX: Female

DAY ON TEST: 161

DOSE: F3/100PPM TO CTL

DISP: Terminal Sacrifice

HISTO: 21320100759

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Oviduct

OBSERVATIONS

| | | | |
|---------------|----------|-------------------|---------|
| Kidney | | Mineralization | Minimal |
| Mammary Gland | Alveolus | Hyperplasia | Mild |
| Ovary | | Proestrus | |
| Uterus | | Decidual Reaction | |
| | | Proestrus | |
| Vagina | | Proestrus | |

PRIMARY CAUSE OF DEATH

-

Experiment Number: 99930-96
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Endocrine disruptor (Genistein)
CAS Number: 446-72-0

Date Report Requested: 10/19/2014
Time Report Requested: 04:27:02
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 760

TRT#: 3

SEX: Female

DAY ON TEST: 160

DOSE: F3/100PPM TO CTL

DISP: Terminal Sacrifice

HISTO: 21320100760

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Mammary Gland

Oviduct

OBSERVATIONS

Kidney

Mineralization

Marked

Ovary

Diestrus

Uterus

Decidual Reaction

Diestrus

Note: TGL # 01 - NO MICROSCOPIC CORRELATE

Vagina

Diestrus

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99930-96
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Endocrine disruptor (Genistein)
CAS Number: 446-72-0

Date Report Requested: 10/19/2014
Time Report Requested: 04:27:02
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 761

TRT#: 3

SEX: Female

DAY ON TEST: 160

DOSE: F3/100PPM TO CTL

DISP: Terminal Sacrifice

HISTO: 21320100761

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Oviduct

OBSERVATIONS

| | | | |
|---------------|----------|-------------------|----------|
| Kidney | | Mineralization | Minimal |
| Mammary Gland | Alveolus | Hyperplasia | Moderate |
| Ovary | | Metestrus | |
| Uterus | | Decidual Reaction | |
| | | Metestrus | |
| Vagina | | Metestrus | |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99930-96
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Endocrine disruptor (Genistein)
CAS Number: 446-72-0

Date Report Requested: 10/19/2014
Time Report Requested: 04:27:02
First Dose M/F: NA / NA
Lab: NCTR

| | | | |
|-----------------------|-------------------------------|---------------------------------|---------------------------|
| ANIMAL ID: 762 | TRT#: 3 | SEX: Female | DAY ON TEST: 160 |
| | DOSE: F3/100PPM TO CTL | DISP: Terminal Sacrifice | HISTO: 21320100762 |

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | |
|---------------|---------|
| Mammary Gland | Oviduct |
|---------------|---------|

OBSERVATIONS

| | | |
|--------|-------------------|---------|
| Kidney | Mineralization | Minimal |
| Ovary | Diestrus | |
| Uterus | Decidual Reaction | |
| | Diestrus | |
| Vagina | Diestrus | |

PRIMARY CAUSE OF DEATH

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99930-96
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Endocrine disruptor (Genistein)
CAS Number: 446-72-0

Date Report Requested: 10/19/2014
Time Report Requested: 04:27:02
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 763

TRT#: 3

SEX: Female

DAY ON TEST: 160

DOSE: F3/100PPM TO CTL

DISP: Terminal Sacrifice

HISTO: 21320100763

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Mammary Gland

Oviduct

OBSERVATIONS

Kidney

Mineralization

Mild

Ovary

Diestrus

Uterus

Decidual Reaction

Diestrus

Vagina

Diestrus

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99930-96
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Endocrine disruptor (Genistein)
CAS Number: 446-72-0

Date Report Requested: 10/19/2014
Time Report Requested: 04:27:02
First Dose M/F: NA / NA
Lab: NCTR

| | | | |
|-----------------------|-------------------------------|---------------------------------|---------------------------|
| ANIMAL ID: 764 | TRT#: 3 | SEX: Female | DAY ON TEST: 160 |
| | DOSE: F3/100PPM TO CTL | DISP: Terminal Sacrifice | HISTO: 21320100764 |

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | |
|---------------|---------|
| Mammary Gland | Oviduct |
|---------------|---------|

OBSERVATIONS

| | | |
|---|----------------|---------|
| Kidney | Mineralization | Minimal |
| Ovary | Proestrus | |
| Uterus | Proestrus | |
| Note: PATHOLOGIST NOTED: DECIDUAL REACTION NOT IN SECTION | | |
| Note: TGL # 01 - NO MICROSCOPIC CORRELATE | | |
| Vagina | Estrus | |

PRIMARY CAUSE OF DEATH

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99930-96
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Endocrine disruptor (Genistein)
CAS Number: 446-72-0

Date Report Requested: 10/19/2014
Time Report Requested: 04:27:02
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 765

TRT#: 4

SEX: Female

DAY ON TEST: 161

DOSE: F3/500PPM TO CTL

DISP: Terminal Sacrifice

HISTO: 21320100765

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Cortex
Liver
Spleen

Adrenal Medulla
Oviduct
Thymus

Bone Marrow
Pituitary Gland
Thyroid Gland

Bone, Femur
Skin

OBSERVATIONS

Kidney

Inflammation
Mineralization

Chronic Active, Focal, Minimal
Minimal

Mammary Gland

Alveolus

Hyperplasia

Minimal

Ovary

Estrus

Uterus

Decidual Reaction

Vagina

Estrus

Estrus

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99930-96
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Endocrine disruptor (Genistein)
CAS Number: 446-72-0

Date Report Requested: 10/19/2014
Time Report Requested: 04:27:02
First Dose M/F: NA / NA
Lab: NCTR

| | | | |
|-----------------------|-------------------------------|---------------------------------|---------------------------|
| ANIMAL ID: 766 | TRT#: 4 | SEX: Female | DAY ON TEST: 161 |
| | DOSE: F3/500PPM TO CTL | DISP: Terminal Sacrifice | HISTO: 21320100766 |

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|----------------|-----------------|-----------------|-------------|
| Adrenal Cortex | Adrenal Medulla | Bone Marrow | Bone, Femur |
| Liver | Oviduct | Pituitary Gland | Skin |
| Spleen | Thymus | Thyroid Gland | |

OBSERVATIONS

| | | | |
|---------------|----------|-------------------|---------|
| Kidney | | Mineralization | Minimal |
| Mammary Gland | Alveolus | Hyperplasia | Mild |
| Ovary | | Proestrus | |
| Uterus | | Decidual Reaction | |
| | | Diestrus | |
| Vagina | | Diestrus | |
| | | Keratin Cyst | |

PRIMARY CAUSE OF DEATH

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99930-96
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Endocrine disruptor (Genistein)
CAS Number: 446-72-0

Date Report Requested: 10/19/2014
Time Report Requested: 04:27:02
First Dose M/F: NA / NA
Lab: NCTR

| | | | |
|-----------------------|-------------------------------|---------------------------------|---------------------------|
| ANIMAL ID: 767 | TRT#: 4 | SEX: Female | DAY ON TEST: 161 |
| | DOSE: F3/500PPM TO CTL | DISP: Terminal Sacrifice | HISTO: 21320100767 |

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|----------------|-----------------|-------------|-----------------|
| Adrenal Cortex | Adrenal Medulla | Bone Marrow | Bone, Femur |
| Liver | Mammary Gland | Oviduct | Pituitary Gland |
| Skin | Spleen | Thymus | Thyroid Gland |

OBSERVATIONS

| | | |
|---|-------------------|---------|
| Kidney | Mineralization | Minimal |
| Ovary | Diestrus | |
| Uterus | Decidual Reaction | |
| | Diestrus | |
| Note: TGL # 01 - NO MICROSCOPIC CORRELATE | | |
| Vagina | Diestrus | |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99930-96
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Endocrine disruptor (Genistein)
CAS Number: 446-72-0

Date Report Requested: 10/19/2014
Time Report Requested: 04:27:02
First Dose M/F: NA / NA
Lab: NCTR

| | | | |
|-----------------------|-------------------------------|---------------------------------|---------------------------|
| ANIMAL ID: 768 | TRT#: 4 | SEX: Female | DAY ON TEST: 161 |
| | DOSE: F3/500PPM TO CTL | DISP: Terminal Sacrifice | HISTO: 21320100768 |

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|----------------|-----------------|-----------------|-------------|
| Adrenal Cortex | Adrenal Medulla | Bone Marrow | Bone, Femur |
| Liver | Oviduct | Pituitary Gland | Skin |
| Spleen | Thymus | Thyroid Gland | |

OBSERVATIONS

| | | | |
|---------------|----------|-------------------|----------|
| Kidney | | Mineralization | Minimal |
| Mammary Gland | Alveolus | Hyperplasia | Marked |
| | Lobules | Hyperplasia | Moderate |
| Ovary | | Proestrus | |
| Uterus | | Decidual Reaction | |
| | | Proestrus | |
| | | Proestrus | |

Note: TGL # 01 - NO MICROSCOPIC CORRELATE

Vagina

Note: PATHOLOGIST NOTED: EXCESS MUCUS IN LUMEN

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99930-96
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Endocrine disruptor (Genistein)
CAS Number: 446-72-0

Date Report Requested: 10/19/2014
Time Report Requested: 04:27:02
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 769

TRT#: 4

SEX: Female

DAY ON TEST: 160

DOSE: F3/500PPM TO CTL

DISP: Terminal Sacrifice

HISTO: 21320100769

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Cortex
Liver
Skin

Adrenal Medulla
Mammary Gland
Spleen

Bone Marrow
Oviduct
Thymus

Bone, Femur
Pituitary Gland
Thyroid Gland

OBSERVATIONS

Kidney
Ovary
Uterus

Mineralization
Estrus
Decidual Reaction
Proestrus

Mild

Note: TGL # 01 - NO MICROSCOPIC CORRELATE

Vagina

Estrus

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99930-96
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Endocrine disruptor (Genistein)
CAS Number: 446-72-0

Date Report Requested: 10/19/2014
Time Report Requested: 04:27:02
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 814

TRT#: 1

SEX: Female

DAY ON TEST: 160

DOSE: F3 0 PPM

DISP: Terminal Sacrifice

HISTO: 21320100814

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Cortex
Liver
Spleen

Adrenal Medulla
Oviduct
Thymus

Bone Marrow
Pituitary Gland
Thyroid Gland

Bone, Femur
Skin

OBSERVATIONS

Kidney

Pelvis, Unilateral

Dilatation

Mild

Mineralization

Moderate

Mammary Gland

Alveolus

Hyperplasia

Mild

Ovary

Diestrus

Uterus

Decidual Reaction

Diestrus

Vagina

Diestrus

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99930-96
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Endocrine disruptor (Genistein)
CAS Number: 446-72-0

Date Report Requested: 10/19/2014
Time Report Requested: 04:27:02
First Dose M/F: NA / NA
Lab: NCTR

| | | | |
|-----------------------|-----------------------|---------------------------------|---------------------------|
| ANIMAL ID: 815 | TRT#: 1 | SEX: Female | DAY ON TEST: 160 |
| | DOSE: F3 0 PPM | DISP: Terminal Sacrifice | HISTO: 21320100815 |

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|----------------|-----------------|-----------------|-------------|
| Adrenal Cortex | Adrenal Medulla | Bone Marrow | Bone, Femur |
| Liver | Oviduct | Pituitary Gland | Skin |
| Spleen | Thymus | Thyroid Gland | |

OBSERVATIONS

| | | | |
|---------------|----------|-------------------|----------|
| Kidney | | Mineralization | Minimal |
| Mammary Gland | Alveolus | Hyperplasia | Moderate |
| Ovary | | Estrus | |
| Uterus | | Decidual Reaction | |
| | | Estrus | |
| Vagina | | Estrus | |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99930-96
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Endocrine disruptor (Genistein)
CAS Number: 446-72-0

Date Report Requested: 10/19/2014
Time Report Requested: 04:27:02
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 816

TRT#: 1

SEX: Female

DAY ON TEST: 160

DOSE: F3 0 PPM

DISP: Terminal Sacrifice

HISTO: 21320100816

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Cortex
Liver
Skin

Adrenal Medulla
Mammary Gland
Spleen

Bone Marrow
Oviduct
Thymus

Bone, Femur
Pituitary Gland
Thyroid Gland

OBSERVATIONS

Kidney
Ovary
Uterus

Mineralization
Diestrus
Decidual Reaction
Diestrus
Diestrus

Marked

Vagina

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99930-96
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Endocrine disruptor (Genistein)
CAS Number: 446-72-0

Date Report Requested: 10/19/2014
Time Report Requested: 04:27:02
First Dose M/F: NA / NA
Lab: NCTR

| | | | |
|-----------------------|-----------------------------|---------------------------------|---------------------------|
| ANIMAL ID: 817 | TRT#: 2 | SEX: Female | DAY ON TEST: 162 |
| | DOSE: F3/5PPM TO CTL | DISP: Terminal Sacrifice | HISTO: 21320100817 |

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|----------------|-----------------|-----------------|-------------|
| Adrenal Cortex | Adrenal Medulla | Bone Marrow | Bone, Femur |
| Liver | Oviduct | Pituitary Gland | Skin |
| Spleen | Thymus | Thyroid Gland | |

OBSERVATIONS

| | | | |
|---------------|----------|-------------------|--------|
| Kidney | | Mineralization | Mild |
| Mammary Gland | Alveolus | Hyperplasia | Marked |
| | Lobules | Hyperplasia | Marked |
| Ovary | | Proestrus | |
| Uterus | | Decidual Reaction | |
| | | Proestrus | |
| Vagina | | Proestrus | |

PRIMARY CAUSE OF DEATH

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99930-96
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Endocrine disruptor (Genistein)
CAS Number: 446-72-0

Date Report Requested: 10/19/2014
Time Report Requested: 04:27:02
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 818

TRT#: 2

SEX: Female

DAY ON TEST: 160

DOSE: F3/5PPM TO CTL

DISP: Terminal Sacrifice

HISTO: 21320100818

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Oviduct

OBSERVATIONS

| | | | |
|---------------|----------|-------------------|----------|
| Kidney | | Mineralization | Moderate |
| Mammary Gland | Alveolus | Hyperplasia | Moderate |
| Ovary | | Estrus | |
| Uterus | | Decidual Reaction | |
| | | Estrus | |
| Vagina | | Estrus | |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99930-96
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Endocrine disruptor (Genistein)
CAS Number: 446-72-0

Date Report Requested: 10/19/2014
Time Report Requested: 04:27:02
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 819

TRT#: 2

SEX: Female

DAY ON TEST: 160

DOSE: F3/5PPM TO CTL

DISP: Terminal Sacrifice

HISTO: 21320100819

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Oviduct

OBSERVATIONS

| | | | |
|---------------|----------|-------------------|---------|
| Kidney | | Mineralization | Minimal |
| Mammary Gland | Alveolus | Hyperplasia | Minimal |
| Ovary | | Estrus | |
| Uterus | | Decidual Reaction | |
| | | Estrus | |
| Vagina | | Estrus | |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99930-96
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Endocrine disruptor (Genistein)
CAS Number: 446-72-0

Date Report Requested: 10/19/2014
Time Report Requested: 04:27:02
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 820

TRT#: 2

SEX: Female

DAY ON TEST: 159

DOSE: F3/5PPM TO CTL

DISP: Terminal Sacrifice

HISTO: 21320100820

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Oviduct

OBSERVATIONS

| | | | |
|---------------|----------|-------------------|----------|
| Kidney | | Mineralization | Minimal |
| Mammary Gland | Alveolus | Hyperplasia | Moderate |
| | Lobules | Hyperplasia | Minimal |
| Ovary | | Proestrus | |
| Uterus | | Decidual Reaction | |
| | | Proestrus | |
| Vagina | | Proestrus | |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99930-96
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Endocrine disruptor (Genistein)
CAS Number: 446-72-0

Date Report Requested: 10/19/2014
Time Report Requested: 04:27:02
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 821

TRT#: 3

SEX: Female

DAY ON TEST: 162

DOSE: F3/100PPM TO CTL

DISP: Terminal Sacrifice

HISTO: 21320100821

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Oviduct

OBSERVATIONS

| | | | |
|---|----------|----------------|---------|
| Kidney | | Mineralization | Mild |
| Mammary Gland | Alveolus | Hyperplasia | Minimal |
| Ovary | | Proestrus | |
| Uterus | | Proestrus | |
| Note: TGL # 01 - NO MICROSCOPIC CORRELATE | | | |
| Note: PATHOLOGIST NOTED: DECIDUAL REACTION NOT IN SECTION | | | |
| Vagina | | Estrus | |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99930-96
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Endocrine disruptor (Genistein)
CAS Number: 446-72-0

Date Report Requested: 10/19/2014
Time Report Requested: 04:27:02
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 822

TRT#: 3

SEX: Female

DAY ON TEST: 161

DOSE: F3/100PPM TO CTL

DISP: Terminal Sacrifice

HISTO: 21320100822

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Mammary Gland

Oviduct

OBSERVATIONS

Kidney

Mineralization

Mild

Ovary

Diestrus

Uterus

Decidual Reaction

Diestrus

Vagina

Diestrus

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99930-96
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Endocrine disruptor (Genistein)
CAS Number: 446-72-0

Date Report Requested: 10/19/2014
Time Report Requested: 04:27:02
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 823

TRT#: 3

SEX: Female

DAY ON TEST: 160

DOSE: F3/100PPM TO CTL

DISP: Terminal Sacrifice

HISTO: 21320100823

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Mammary Gland

Oviduct

OBSERVATIONS

Kidney

Mineralization

Marked

Ovary

Estrus

Uterus

Estrus

Note: PATHOLOGIST NOTED: DECIDUAL REACTION NOT IN SECTION

Vagina

Estrus

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99930-96
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Endocrine disruptor (Genistein)
CAS Number: 446-72-0

Date Report Requested: 10/19/2014
Time Report Requested: 04:27:02
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 824

TRT#: 3

SEX: Female

DAY ON TEST: 160

DOSE: F3/100PPM TO CTL

DISP: Terminal Sacrifice

HISTO: 21320100824

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Oviduct

OBSERVATIONS

| | | | |
|---------------|----------|-------------------|--------|
| Kidney | | Mineralization | Marked |
| Mammary Gland | Alveolus | Hyperplasia | Mild |
| Ovary | | Estrus | |
| Uterus | | Decidual Reaction | |
| | | Estrus | |
| Vagina | | Estrus | |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99930-96
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Endocrine disruptor (Genistein)
CAS Number: 446-72-0

Date Report Requested: 10/19/2014
Time Report Requested: 04:27:02
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 825

TRT#: 3

SEX: Female

DAY ON TEST: 160

DOSE: F3/100PPM TO CTL

DISP: Terminal Sacrifice

HISTO: 21320100825

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Kidney

Mammary Gland

Oviduct

OBSERVATIONS

Ovary

Estrus

Uterus

Decidual Reaction

Vagina

Estrus

Estrus

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99930-96
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Endocrine disruptor (Genistein)
CAS Number: 446-72-0

Date Report Requested: 10/19/2014
Time Report Requested: 04:27:02
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 826

TRT#: 3

SEX: Female

DAY ON TEST: 160

DOSE: F3/100PPM TO CTL

DISP: Terminal Sacrifice

HISTO: 21320100826

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Kidney

Oviduct

OBSERVATIONS

Mammary Gland

Alveolus

Hyperplasia

Minimal

Ovary

Proestrus

Uterus

Decidual Reaction

Proestrus

Vagina

Proestrus

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99930-96
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Endocrine disruptor (Genistein)
CAS Number: 446-72-0

Date Report Requested: 10/19/2014
Time Report Requested: 04:27:02
First Dose M/F: NA / NA
Lab: NCTR

| | | | |
|-----------------------|-------------------------------|---------------------------------|---------------------------|
| ANIMAL ID: 827 | TRT#: 4 | SEX: Female | DAY ON TEST: 161 |
| | DOSE: F3/500PPM TO CTL | DISP: Terminal Sacrifice | HISTO: 21320100827 |

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|----------------|-----------------|-----------------|-------------|
| Adrenal Cortex | Adrenal Medulla | Bone Marrow | Bone, Femur |
| Liver | Oviduct | Pituitary Gland | Skin |
| Spleen | Thymus | Thyroid Gland | |

OBSERVATIONS

| | | | |
|---------------|----------|-------------------|---------|
| Kidney | | Mineralization | Minimal |
| Mammary Gland | Alveolus | Hyperplasia | Minimal |
| Ovary | | Estrus | |
| Uterus | | Decidual Reaction | |
| | | Estrus | |
| Vagina | | Estrus | |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99930-96
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Endocrine disruptor (Genistein)
CAS Number: 446-72-0

Date Report Requested: 10/19/2014
Time Report Requested: 04:27:02
First Dose M/F: NA / NA
Lab: NCTR

| | | | |
|-----------------------|-------------------------------|---------------------------------|---------------------------|
| ANIMAL ID: 828 | TRT#: 4 | SEX: Female | DAY ON TEST: 161 |
| | DOSE: F3/500PPM TO CTL | DISP: Terminal Sacrifice | HISTO: 21320100828 |

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|----------------|-----------------|-----------------|-------------|
| Adrenal Cortex | Adrenal Medulla | Bone Marrow | Bone, Femur |
| Liver | Oviduct | Pituitary Gland | Skin |
| Spleen | Thymus | Thyroid Gland | |

OBSERVATIONS

| | | | |
|---------------------------|-------------------|-------------------|---------|
| Kidney | Bilateral, Pelvis | Dilatation | Mild |
| [Dilatation TGLS = 1-2] | | | |
| Mammary Gland | Alveolus | Hyperplasia | Minimal |
| Ovary | | Diestrus | |
| Uterus | | Decidual Reaction | |
| | | Diestrus | |
| Vagina | | Diestrus | |

PRIMARY CAUSE OF DEATH

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99930-96
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Endocrine disruptor (Genistein)
CAS Number: 446-72-0

Date Report Requested: 10/19/2014
Time Report Requested: 04:27:02
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 829

TRT#: 4

SEX: Female

DAY ON TEST: 161

DOSE: F3/500PPM TO CTL

DISP: Terminal Sacrifice

HISTO: 21320100829

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Cortex
Liver
Spleen

Adrenal Medulla
Oviduct
Thymus

Bone Marrow
Pituitary Gland
Thyroid Gland

Bone, Femur
Skin

OBSERVATIONS

Kidney
Mammary Gland
Ovary
Uterus

Vagina

Alveolus

Mineralization
Hyperplasia
Estrus
Decidual Reaction
Metestrus
Metestrus

Minimal
Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99930-96
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Endocrine disruptor (Genistein)
CAS Number: 446-72-0

Date Report Requested: 10/19/2014
Time Report Requested: 04:27:02
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 830

TRT#: 4

SEX: Female

DAY ON TEST: 161

DOSE: F3/500PPM TO CTL

DISP: Terminal Sacrifice

HISTO: 21320100830

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Cortex
Kidney
Skin

Adrenal Medulla
Mammary Gland
Spleen

Bone Marrow
Oviduct
Thymus

Bone, Femur
Pituitary Gland
Thyroid Gland

OBSERVATIONS

Liver
Ovary
Uterus

Vagina

Inflammation
Metestrus
Decidual Reaction
Metestrus
Metestrus

Chronic Active, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99930-96
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Endocrine disruptor (Genistein)
CAS Number: 446-72-0

Date Report Requested: 10/19/2014
Time Report Requested: 04:27:02
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 831

TRT#: 4

SEX: Female

DAY ON TEST: 161

DOSE: F3/500PPM TO CTL

DISP: Terminal Sacrifice

HISTO: 21320100831

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Cortex
Kidney
Pituitary Gland
Thyroid Gland

Adrenal Medulla
Liver
Skin

Bone Marrow
Mammary Gland
Spleen

Bone, Femur
Oviduct
Thymus

OBSERVATIONS

Ovary
Uterus

Diestrus
Decidual Reaction
Diestrus
Diestrus

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99930-96
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Endocrine disruptor (Genistein)
CAS Number: 446-72-0

Date Report Requested: 10/19/2014
Time Report Requested: 04:27:02
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 832

TRT#: 4

SEX: Female

DAY ON TEST: 160

DOSE: F3/500PPM TO CTL

DISP: Terminal Sacrifice

HISTO: 21320100832

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Cortex
Liver
Skin

Adrenal Medulla
Mammary Gland
Spleen

Bone Marrow
Oviduct
Thymus

Bone, Femur
Pituitary Gland
Thyroid Gland

OBSERVATIONS

Kidney

Inflammation
Mineralization

Chronic Active, Minimal
Minimal

Ovary
Uterus

Diestrus
Decidual Reaction

Vagina

Diestrus
Diestrus

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99930-96
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Endocrine disruptor (Genistein)
CAS Number: 446-72-0

Date Report Requested: 10/19/2014
Time Report Requested: 04:27:02
First Dose M/F: NA / NA
Lab: NCTR

| | | | |
|-----------------------|-------------------------------|---------------------------------|---------------------------|
| ANIMAL ID: 833 | TRT#: 4 | SEX: Female | DAY ON TEST: 160 |
| | DOSE: F3/500PPM TO CTL | DISP: Terminal Sacrifice | HISTO: 21320100833 |

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|----------------|-----------------|-----------------|-------------|
| Adrenal Cortex | Adrenal Medulla | Bone Marrow | Bone, Femur |
| Liver | Oviduct | Pituitary Gland | Skin |
| Spleen | Thymus | Thyroid Gland | |

OBSERVATIONS

| | | | |
|---------------|--------------|-------------------|---------|
| Kidney | Renal Tubule | Cyst | |
| | | Mineralization | Minimal |
| Mammary Gland | Lobules | Hyperplasia | Marked |
| Ovary | | Metestrus | |
| Uterus | | Decidual Reaction | |
| | | Metestrus | |
| Vagina | | Metestrus | |

PRIMARY CAUSE OF DEATH

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99930-96
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Endocrine disruptor (Genistein)
CAS Number: 446-72-0

Date Report Requested: 10/19/2014
Time Report Requested: 04:27:02
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 834

TRT#: 4

SEX: Female

DAY ON TEST: 160

DOSE: F3/500PPM TO CTL

DISP: Terminal Sacrifice

HISTO: 21320100834

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Cortex
Kidney
Spleen

Adrenal Medulla
Mammary Gland
Thymus

Bone Marrow
Oviduct
Thyroid Gland

Bone, Femur
Pituitary Gland

MISSING

Liver

Skin

OBSERVATIONS

Ovary
Uterus

Proestrus
Decidual Reaction

Vagina

Proestrus
Proestrus

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99930-96
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Endocrine disruptor (Genistein)
CAS Number: 446-72-0

Date Report Requested: 10/19/2014
Time Report Requested: 04:27:02
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 835

TRT#: 4

SEX: Female

DAY ON TEST: 160

DOSE: F3/500PPM TO CTL

DISP: Terminal Sacrifice

HISTO: 21320100835

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Cortex
Liver
Skin

Adrenal Medulla
Mammary Gland
Spleen

Bone Marrow
Oviduct
Thymus

Bone, Femur
Pituitary Gland
Thyroid Gland

OBSERVATIONS

Kidney
Ovary
Uterus

Vagina

Mineralization
Metestrus
Decidual Reaction
Metestrus
Metestrus

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99930-96
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Endocrine disruptor (Genistein)
CAS Number: 446-72-0

Date Report Requested: 10/19/2014
Time Report Requested: 04:27:02
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 836

TRT#: 2

SEX: Female

DAY ON TEST: 162

DOSE: F3/5PPM TO CTL

DISP: Terminal Sacrifice

HISTO: 21320100836

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Mammary Gland

Oviduct

OBSERVATIONS

Kidney

Mineralization

Minimal

Ovary

Estrus

Uterus

Decidual Reaction

Proestrus

Vagina

Proestrus

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99930-96
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Endocrine disruptor (Genistein)
CAS Number: 446-72-0

Date Report Requested: 10/19/2014
Time Report Requested: 04:27:02
First Dose M/F: NA / NA
Lab: NCTR

| | | | |
|-----------------------|-----------------------|---------------------------------|---------------------------|
| ANIMAL ID: 862 | TRT#: 1 | SEX: Female | DAY ON TEST: 161 |
| | DOSE: F3 0 PPM | DISP: Terminal Sacrifice | HISTO: 21320100862 |

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|----------------|-----------------|-----------------|-------------|
| Adrenal Cortex | Adrenal Medulla | Bone Marrow | Bone, Femur |
| Liver | Oviduct | Pituitary Gland | Skin |
| Spleen | Thymus | Thyroid Gland | |

OBSERVATIONS

| | | | |
|---------------|----------|-------------------|---------|
| Kidney | | Mineralization | Mild |
| Mammary Gland | Alveolus | Hyperplasia | Minimal |
| Ovary | | Estrus | |
| Uterus | | Decidual Reaction | |
| | | Estrus | |
| Vagina | | Estrus | |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99930-96
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Endocrine disruptor (Genistein)
CAS Number: 446-72-0

Date Report Requested: 10/19/2014
Time Report Requested: 04:27:02
First Dose M/F: NA / NA
Lab: NCTR

| | | | |
|-----------------------|-----------------------|---------------------------------|---------------------------|
| ANIMAL ID: 863 | TRT#: 1 | SEX: Female | DAY ON TEST: 162 |
| | DOSE: F3 0 PPM | DISP: Terminal Sacrifice | HISTO: 21320100863 |

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|----------------|-----------------|-----------------|-------------|
| Adrenal Cortex | Adrenal Medulla | Bone Marrow | Bone, Femur |
| Liver | Oviduct | Pituitary Gland | Skin |
| Spleen | Thymus | Thyroid Gland | |

OBSERVATIONS

| | | | |
|---------------|----------|-------------------|---------|
| Kidney | | Mineralization | Minimal |
| Mammary Gland | Alveolus | Hyperplasia | Mild |
| Ovary | | Estrus | |
| Uterus | | Decidual Reaction | |
| | | Estrus | |
| Vagina | | Estrus | |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99930-96
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Endocrine disruptor (Genistein)
CAS Number: 446-72-0

Date Report Requested: 10/19/2014
Time Report Requested: 04:27:02
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 864

TRT#: 1

SEX: Female

DAY ON TEST: 160

DOSE: F3 0 PPM

DISP: Terminal Sacrifice

HISTO: 21320100864

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Cortex
Liver
Skin

Adrenal Medulla
Mammary Gland
Spleen

Bone Marrow
Oviduct
Thymus

Bone, Femur
Pituitary Gland
Thyroid Gland

OBSERVATIONS

Kidney
Ovary
Uterus

Vagina

Mineralization
Proestrus
Decidual Reaction
Proestrus
Proestrus

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99930-96
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Endocrine disruptor (Genistein)
CAS Number: 446-72-0

Date Report Requested: 10/19/2014
Time Report Requested: 04:27:02
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 865

TRT#: 1

SEX: Female

DAY ON TEST: 160

DOSE: F3 0 PPM

DISP: Terminal Sacrifice

HISTO: 21320100865

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Cortex
Liver
Skin

Adrenal Medulla
Mammary Gland
Spleen

Bone Marrow
Oviduct
Thymus

Bone, Femur
Pituitary Gland
Thyroid Gland

OBSERVATIONS

Kidney
Ovary
Uterus

Mineralization
Estrus
Estrus

Marked

Note: PATHOLOGIST NOTED: DECIDUAL REACTION NOT IN SECTION

Vagina

Metestrus

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99930-96
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Endocrine disruptor (Genistein)
CAS Number: 446-72-0

Date Report Requested: 10/19/2014
Time Report Requested: 04:27:02
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 866

TRT#: 2

SEX: Female

DAY ON TEST: 162

DOSE: F3/5PPM TO CTL

DISP: Terminal Sacrifice

HISTO: 21320100866

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Oviduct

OBSERVATIONS

| | | | |
|---------------|----------|-------------------|----------|
| Kidney | | Mineralization | Mild |
| Mammary Gland | Alveolus | Hyperplasia | Moderate |
| Ovary | | Proestrus | |
| Uterus | | Decidual Reaction | |
| | | Proestrus | |
| Vagina | | Proestrus | |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99930-96
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Endocrine disruptor (Genistein)
CAS Number: 446-72-0

Date Report Requested: 10/19/2014
Time Report Requested: 04:27:02
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 867

TRT#: 2

SEX: Female

DAY ON TEST: 162

DOSE: F3/5PPM TO CTL

DISP: Terminal Sacrifice

HISTO: 21320100867

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Mammary Gland

Oviduct

OBSERVATIONS

Kidney

Mineralization

Minimal

Ovary

Estrus

Uterus

Decidual Reaction

Estrus

Vagina

Estrus

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99930-96
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Endocrine disruptor (Genistein)
CAS Number: 446-72-0

Date Report Requested: 10/19/2014
Time Report Requested: 04:27:02
First Dose M/F: NA / NA
Lab: NCTR

| | | | |
|-----------------------|-----------------------------|---------------------------------|---------------------------|
| ANIMAL ID: 868 | TRT#: 2 | SEX: Female | DAY ON TEST: 162 |
| | DOSE: F3/5PPM TO CTL | DISP: Terminal Sacrifice | HISTO: 21320100868 |

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | |
|---------------|---------|
| Mammary Gland | Oviduct |
|---------------|---------|

OBSERVATIONS

| | | |
|--------|-------------------|---------|
| Kidney | Mineralization | Minimal |
| Ovary | Estrus | |
| Uterus | Decidual Reaction | |
| | Proestrus | |
| Vagina | Estrus | |

PRIMARY CAUSE OF DEATH

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99930-96
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Endocrine disruptor (Genistein)
CAS Number: 446-72-0

Date Report Requested: 10/19/2014
Time Report Requested: 04:27:02
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 869

TRT#: 2

SEX: Female

DAY ON TEST: 162

DOSE: F3/5PPM TO CTL

DISP: Terminal Sacrifice

HISTO: 21320100869

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Mammary Gland

Oviduct

OBSERVATIONS

Kidney

Mineralization

Minimal

Ovary

Metestrus

Uterus

Decidual Reaction

Metestrus

Vagina

Metestrus

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99930-96
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Endocrine disruptor (Genistein)
CAS Number: 446-72-0

Date Report Requested: 10/19/2014
Time Report Requested: 04:27:02
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 870

TRT#: 2
DOSE: F3/5PPM TO CTL

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 161
HISTO: 21320100870

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | |
|--------|---------------|---------|
| Kidney | Mammary Gland | Oviduct |
|--------|---------------|---------|

OBSERVATIONS

| | |
|--------|-------------------|
| Ovary | Metestrus |
| Uterus | Decidual Reaction |
| | Metestrus |
| Vagina | Metestrus |

PRIMARY CAUSE OF DEATH

-

Experiment Number: 99930-96
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Endocrine disruptor (Genistein)
CAS Number: 446-72-0

Date Report Requested: 10/19/2014
Time Report Requested: 04:27:02
First Dose M/F: NA / NA
Lab: NCTR

| | | | |
|-----------------------|-----------------------------|---------------------------------|---------------------------|
| ANIMAL ID: 871 | TRT#: 2 | SEX: Female | DAY ON TEST: 161 |
| | DOSE: F3/5PPM TO CTL | DISP: Terminal Sacrifice | HISTO: 21320100871 |

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | |
|--------|---------|
| Kidney | Oviduct |
|--------|---------|

OBSERVATIONS

| | | | |
|---------------|----------|-------------------|---------|
| Mammary Gland | Alveolus | Hyperplasia | Minimal |
| Ovary | | Estrus | |
| Uterus | | Decidual Reaction | |
| | | Estrus | |
| Vagina | | Estrus | |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99930-96
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Endocrine disruptor (Genistein)
CAS Number: 446-72-0

Date Report Requested: 10/19/2014
Time Report Requested: 04:27:02
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 872

TRT#: 3

SEX: Female

DAY ON TEST: 162

DOSE: F3/100PPM TO CTL

DISP: Terminal Sacrifice

HISTO: 21320100872

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Oviduct

OBSERVATIONS

| | | | |
|---------------|----------|-------------------|---------|
| Kidney | | Mineralization | Mild |
| Mammary Gland | Alveolus | Hyperplasia | Minimal |
| Ovary | | Diestrus | |
| Uterus | | Decidual Reaction | |
| | | Diestrus | |
| Vagina | | Diestrus | |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99930-96
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Endocrine disruptor (Genistein)
CAS Number: 446-72-0

Date Report Requested: 10/19/2014
Time Report Requested: 04:27:02
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 873

TRT#: 3

SEX: Female

DAY ON TEST: 161

DOSE: F3/100PPM TO CTL

DISP: Terminal Sacrifice

HISTO: 21320100873

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Oviduct

OBSERVATIONS

| | | | |
|---------------|----------|-------------------|--------|
| Kidney | | Mineralization | Marked |
| Mammary Gland | Alveolus | Hyperplasia | Mild |
| Ovary | | Metestrus | |
| Uterus | | Decidual Reaction | |
| | | Metestrus | |
| Vagina | | Metestrus | |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99930-96
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Endocrine disruptor (Genistein)
CAS Number: 446-72-0

Date Report Requested: 10/19/2014
Time Report Requested: 04:27:02
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 874

TRT#: 3

SEX: Female

DAY ON TEST: 161

DOSE: F3/100PPM TO CTL

DISP: Terminal Sacrifice

HISTO: 21320100874

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Oviduct

OBSERVATIONS

| | | | |
|---------------|----------|-------------------|----------|
| Kidney | | Mineralization | Moderate |
| Mammary Gland | Alveolus | Hyperplasia | Mild |
| Ovary | | Diestrus | |
| Uterus | | Decidual Reaction | |
| | | Diestrus | |
| Vagina | | Diestrus | |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99930-96
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Endocrine disruptor (Genistein)
CAS Number: 446-72-0

Date Report Requested: 10/19/2014
Time Report Requested: 04:27:02
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 875

TRT#: 3

SEX: Female

DAY ON TEST: 161

DOSE: F3/100PPM TO CTL

DISP: Terminal Sacrifice

HISTO: 21320100875

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Mammary Gland

Oviduct

OBSERVATIONS

Kidney

Mineralization

Mild

Ovary

Diestrus

Uterus

Decidual Reaction

Diestrus

Vagina

Diestrus

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99930-96
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Endocrine disruptor (Genistein)
CAS Number: 446-72-0

Date Report Requested: 10/19/2014
Time Report Requested: 04:27:02
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 876

TRT#: 3

SEX: Female

DAY ON TEST: 161

DOSE: F3/100PPM TO CTL

DISP: Terminal Sacrifice

HISTO: 21320100876

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Mammary Gland

Oviduct

OBSERVATIONS

Kidney

Mineralization

Mild

Ovary

Metestrus

Uterus

Decidual Reaction

Metestrus

Vagina

Metestrus

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99930-96
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Endocrine disruptor (Genistein)
CAS Number: 446-72-0

Date Report Requested: 10/19/2014
Time Report Requested: 04:27:02
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 877

TRT#: 3

SEX: Female

DAY ON TEST: 160

DOSE: F3/100PPM TO CTL

DISP: Terminal Sacrifice

HISTO: 21320100877

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Mammary Gland

Oviduct

OBSERVATIONS

Kidney

Mineralization

Moderate

Ovary

Proestrus

Uterus

Decidual Reaction

Proestrus

Vagina

Estrus

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99930-96
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Endocrine disruptor (Genistein)
CAS Number: 446-72-0

Date Report Requested: 10/19/2014
Time Report Requested: 04:27:02
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 878

TRT#: 3

SEX: Female

DAY ON TEST: 160

DOSE: F3/100PPM TO CTL

DISP: Terminal Sacrifice

HISTO: 21320100878

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Oviduct

OBSERVATIONS

| | | | |
|---------------|----------|-------------------|---------|
| Kidney | | Mineralization | Minimal |
| Mammary Gland | Alveolus | Hyperplasia | Minimal |
| Ovary | | Metestrus | |
| Uterus | | Decidual Reaction | |
| | | Metestrus | |
| Vagina | | Metestrus | |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99930-96
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Endocrine disruptor (Genistein)
CAS Number: 446-72-0

Date Report Requested: 10/19/2014
Time Report Requested: 04:27:02
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 879

TRT#: 4

SEX: Female

DAY ON TEST: 161

DOSE: F3/500PPM TO CTL

DISP: Terminal Sacrifice

HISTO: 21320100879

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Cortex
Liver
Skin

Adrenal Medulla
Mammary Gland
Spleen

Bone Marrow
Oviduct
Thymus

Bone, Femur
Pituitary Gland
Thyroid Gland

OBSERVATIONS

Kidney
Ovary
Uterus

Vagina

Mineralization
Proestrus
Decidual Reaction
Proestrus
Estrus

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99930-96
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Endocrine disruptor (Genistein)
CAS Number: 446-72-0

Date Report Requested: 10/19/2014
Time Report Requested: 04:27:02
First Dose M/F: NA / NA
Lab: NCTR

| | | | |
|-----------------------|-------------------------------|---------------------------------|---------------------------|
| ANIMAL ID: 880 | TRT#: 4 | SEX: Female | DAY ON TEST: 161 |
| | DOSE: F3/500PPM TO CTL | DISP: Terminal Sacrifice | HISTO: 21320100880 |

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|----------------|-----------------|-----------------|-------------|
| Adrenal Cortex | Adrenal Medulla | Bone Marrow | Bone, Femur |
| Liver | Oviduct | Pituitary Gland | Skin |
| Spleen | Thymus | Thyroid Gland | |

OBSERVATIONS

| | | | |
|---------------|----------|-------------------|---------|
| Kidney | | Mineralization | Minimal |
| Mammary Gland | Alveolus | Hyperplasia | Marked |
| | Lobules | Hyperplasia | Mild |
| Ovary | | Estrus | |
| Uterus | | Decidual Reaction | |
| | | Metestrus | |
| Vagina | | Proestrus | |

PRIMARY CAUSE OF DEATH

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99930-96
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Endocrine disruptor (Genistein)
CAS Number: 446-72-0

Date Report Requested: 10/19/2014
Time Report Requested: 04:27:02
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 881

TRT#: 4

SEX: Female

DAY ON TEST: 161

DOSE: F3/500PPM TO CTL

DISP: Terminal Sacrifice

HISTO: 21320100881

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Cortex
Liver
Skin

Adrenal Medulla
Mammary Gland
Spleen

Bone Marrow
Oviduct
Thymus

Bone, Femur
Pituitary Gland
Thyroid Gland

OBSERVATIONS

Kidney
Ovary
Uterus

Vagina

Mineralization
Metestrus
Decidual Reaction
Metestrus
Metestrus

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99930-96
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Endocrine disruptor (Genistein)
CAS Number: 446-72-0

Date Report Requested: 10/19/2014
Time Report Requested: 04:27:02
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 882

TRT#: 4

SEX: Female

DAY ON TEST: 161

DOSE: F3/500PPM TO CTL

DISP: Terminal Sacrifice

HISTO: 21320100882

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Cortex
Liver
Skin

Adrenal Medulla
Mammary Gland
Spleen

Bone Marrow
Oviduct
Thymus

Bone, Femur
Pituitary Gland
Thyroid Gland

OBSERVATIONS

Kidney
Ovary
Uterus

Vagina

Mineralization
Metestrus
Decidual Reaction
Diestrus
Metestrus

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99930-96
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Endocrine disruptor (Genistein)
CAS Number: 446-72-0

Date Report Requested: 10/19/2014
Time Report Requested: 04:27:02
First Dose M/F: NA / NA
Lab: NCTR

| | | | |
|-----------------------|-------------------------------|---------------------------------|---------------------------|
| ANIMAL ID: 883 | TRT#: 4 | SEX: Female | DAY ON TEST: 160 |
| | DOSE: F3/500PPM TO CTL | DISP: Terminal Sacrifice | HISTO: 21320100883 |

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|----------------|-----------------|-------------|-----------------|
| Adrenal Cortex | Adrenal Medulla | Bone Marrow | Bone, Femur |
| Kidney | Liver | Oviduct | Pituitary Gland |
| Skin | Spleen | Thymus | Thyroid Gland |

OBSERVATIONS

| | | | |
|---------------|-------------|-------------------|---------|
| Mammary Gland | Alveolus | Hyperplasia | Minimal |
| Ovary | | Diestrus | |
| Uterus | Endometrium | Cyst | |
| | | Decidual Reaction | |
| | | Diestrus | |
| Vagina | | Diestrus | |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99930-96
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Endocrine disruptor (Genistein)
CAS Number: 446-72-0

Date Report Requested: 10/19/2014
Time Report Requested: 04:27:02
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 907

TRT#: 1

SEX: Female

DAY ON TEST: 162

DOSE: F3 0 PPM

DISP: Terminal Sacrifice

HISTO: 21320100907

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Cortex
Kidney
Pituitary Gland
Thyroid Gland

Adrenal Medulla
Liver
Skin

Bone Marrow
Mammary Gland
Spleen

Bone, Femur
Oviduct
Thymus

OBSERVATIONS

Ovary
Uterus

Proestrus
Decidual Reaction
Proestrus
Proestrus

Vagina

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99930-96
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Endocrine disruptor (Genistein)
CAS Number: 446-72-0

Date Report Requested: 10/19/2014
Time Report Requested: 04:27:02
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 908

TRT#: 1

SEX: Female

DAY ON TEST: 162

DOSE: F3 0 PPM

DISP: Terminal Sacrifice

HISTO: 21320100908

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Cortex
Kidney
Pituitary Gland
Thyroid Gland

Adrenal Medulla
Liver
Skin

Bone Marrow
Mammary Gland
Spleen

Bone, Femur
Oviduct
Thymus

OBSERVATIONS

Ovary
Uterus

Diestrus
Decidual Reaction
Diestrus
Diestrus

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99930-96
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Endocrine disruptor (Genistein)
CAS Number: 446-72-0

Date Report Requested: 10/19/2014
Time Report Requested: 04:27:02
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 909

TRT#: 1

SEX: Female

DAY ON TEST: 162

DOSE: F3 0 PPM

DISP: Terminal Sacrifice

HISTO: 21320100909

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Cortex
Liver
Spleen

Adrenal Medulla
Oviduct
Thymus

Bone Marrow
Pituitary Gland
Thyroid Gland

Bone, Femur
Skin

OBSERVATIONS

Kidney

Renal Tubule

Cyst

Mineralization

Minimal

Mammary Gland

Alveolus

Hyperplasia

Minimal

Ovary

Estrus

Uterus

Decidual Reaction

Vagina

Estrus

Estrus

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99930-96
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Endocrine disruptor (Genistein)
CAS Number: 446-72-0

Date Report Requested: 10/19/2014
Time Report Requested: 04:27:02
First Dose M/F: NA / NA
Lab: NCTR

| | | | |
|-----------------------|-----------------------|---------------------------------|---------------------------|
| ANIMAL ID: 910 | TRT#: 1 | SEX: Female | DAY ON TEST: 161 |
| | DOSE: F3 0 PPM | DISP: Terminal Sacrifice | HISTO: 21320100910 |

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|----------------|-----------------|-----------------|-------------|
| Adrenal Cortex | Adrenal Medulla | Bone Marrow | Bone, Femur |
| Liver | Oviduct | Pituitary Gland | Skin |
| Spleen | Thymus | Thyroid Gland | |

OBSERVATIONS

| | | | |
|---|----------|----------------|------|
| Kidney | | Mineralization | Mild |
| Mammary Gland | Alveolus | Hyperplasia | Mild |
| Ovary | | Diestrus | |
| Uterus | | Diestrus | |
| Note: PATHOLOGIST NOTED: "RESORPTION SITE" NOT ON SLIDE | | | |
| Vagina | | Diestrus | |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99930-96
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Endocrine disruptor (Genistein)
CAS Number: 446-72-0

Date Report Requested: 10/19/2014
Time Report Requested: 04:27:02
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 911

TRT#: 1

SEX: Female

DAY ON TEST: 161

DOSE: F3 0 PPM

DISP: Terminal Sacrifice

HISTO: 21320100911

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Cortex
Kidney
Pituitary Gland
Thyroid Gland

Adrenal Medulla
Liver
Skin

Bone Marrow
Mammary Gland
Spleen

Bone, Femur
Oviduct
Thymus

OBSERVATIONS

Ovary
Uterus

Diestrus
Decidual Reaction
Diestrus
Diestrus

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99930-96
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Endocrine disruptor (Genistein)
CAS Number: 446-72-0

Date Report Requested: 10/19/2014
Time Report Requested: 04:27:02
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 912

TRT#: 2

SEX: Female

DAY ON TEST: 161

DOSE: F3/5PPM TO CTL

DISP: Terminal Sacrifice

HISTO: 21320100912

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Oviduct

OBSERVATIONS

| | | | |
|---------------|---------|-------------------|---------|
| Kidney | | Mineralization | Mild |
| Mammary Gland | Lobules | Hyperplasia | Minimal |
| Ovary | | Metestrus | |
| Uterus | | Decidual Reaction | |
| | | Metestrus | |
| Vagina | | Metestrus | |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99930-96
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Endocrine disruptor (Genistein)
CAS Number: 446-72-0

Date Report Requested: 10/19/2014
Time Report Requested: 04:27:02
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 913

TRT#: 2

SEX: Female

DAY ON TEST: 161

DOSE: F3/5PPM TO CTL

DISP: Terminal Sacrifice

HISTO: 21320100913

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Mammary Gland

Oviduct

OBSERVATIONS

Kidney

Mineralization

Marked

Ovary

Proestrus

Uterus

Decidual Reaction

Proestrus

Vagina

Estrus

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99930-96
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Endocrine disruptor (Genistein)
CAS Number: 446-72-0

Date Report Requested: 10/19/2014
Time Report Requested: 04:27:02
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 914

TRT#: 2

SEX: Female

DAY ON TEST: 161

DOSE: F3/5PPM TO CTL

DISP: Terminal Sacrifice

HISTO: 21320100914

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Oviduct

OBSERVATIONS

| | | | |
|---------------|----------|-------------------|---------|
| Kidney | | Mineralization | Mild |
| Mammary Gland | Alveolus | Hyperplasia | Minimal |
| Ovary | | Diestrus | |
| Uterus | | Decidual Reaction | |
| | | Diestrus | |
| Vagina | | Diestrus | |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99930-96
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Endocrine disruptor (Genistein)
CAS Number: 446-72-0

Date Report Requested: 10/19/2014
Time Report Requested: 04:27:02
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 915

TRT#: 2

SEX: Female

DAY ON TEST: 161

DOSE: F3/5PPM TO CTL

DISP: Terminal Sacrifice

HISTO: 21320100915

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Oviduct

OBSERVATIONS

| | | | |
|---------------|----------|-------------------|----------|
| Kidney | | Mineralization | Mild |
| Mammary Gland | Alveolus | Hyperplasia | Moderate |
| | Lobules | Hyperplasia | Mild |
| Ovary | | Metestrus | |
| Uterus | | Decidual Reaction | |
| | | Metestrus | |
| Vagina | | Metestrus | |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99930-96
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Endocrine disruptor (Genistein)
CAS Number: 446-72-0

Date Report Requested: 10/19/2014
Time Report Requested: 04:27:02
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 916

TRT#: 2

SEX: Female

DAY ON TEST: 161

DOSE: F3/5PPM TO CTL

DISP: Terminal Sacrifice

HISTO: 21320100916

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Mammary Gland

Oviduct

OBSERVATIONS

Kidney

Mineralization

Moderate

Ovary

Metestrus

Uterus

Decidual Reaction

Metestrus

Vagina

Metestrus

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99930-96
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Endocrine disruptor (Genistein)
CAS Number: 446-72-0

Date Report Requested: 10/19/2014
Time Report Requested: 04:27:02
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 917

TRT#: 2

SEX: Female

DAY ON TEST: 160

DOSE: F3/5PPM TO CTL

DISP: Terminal Sacrifice

HISTO: 21320100917

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Oviduct

OBSERVATIONS

| | | | |
|---------------|--------------|-------------------|---------|
| Kidney | | Mineralization | Minimal |
| | Renal Tubule | Regeneration | Minimal |
| Mammary Gland | Alveolus | Hyperplasia | Minimal |
| Ovary | | Metestrus | |
| Uterus | | Decidual Reaction | |
| | | Metestrus | |
| Vagina | | Metestrus | |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99930-96
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Endocrine disruptor (Genistein)
CAS Number: 446-72-0

Date Report Requested: 10/19/2014
Time Report Requested: 04:27:02
First Dose M/F: NA / NA
Lab: NCTR

| | | | |
|-----------------------|-----------------------------|---------------------------------|---------------------------|
| ANIMAL ID: 918 | TRT#: 2 | SEX: Female | DAY ON TEST: 160 |
| | DOSE: F3/5PPM TO CTL | DISP: Terminal Sacrifice | HISTO: 21320100918 |

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | |
|---------------|---------|
| Mammary Gland | Oviduct |
|---------------|---------|

OBSERVATIONS

| | | |
|---|----------------|---------|
| Kidney | Mineralization | Minimal |
| Ovary | Metestrus | |
| Uterus | Metestrus | |
| Note: PATHOLOGIST NOTED: DECIDUAL REACTION NOT IN SECTION | | |
| Vagina | Metestrus | |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99930-96
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Endocrine disruptor (Genistein)
CAS Number: 446-72-0

Date Report Requested: 10/19/2014
Time Report Requested: 04:27:02
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 919

TRT#: 2

SEX: Female

DAY ON TEST: 160

DOSE: F3/5PPM TO CTL

DISP: Terminal Sacrifice

HISTO: 21320100919

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Kidney

Oviduct

OBSERVATIONS

Mammary Gland

Alveolus

Hyperplasia

Mild

Ovary

Estrus

Uterus

Decidual Reaction

Estrus

Vagina

Estrus

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99930-96
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Endocrine disruptor (Genistein)
CAS Number: 446-72-0

Date Report Requested: 10/19/2014
Time Report Requested: 04:27:02
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 920

TRT#: 3

SEX: Female

DAY ON TEST: 162

DOSE: F3/100PPM TO CTL

DISP: Terminal Sacrifice

HISTO: 21320100920

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Mammary Gland

Oviduct

OBSERVATIONS

Kidney

Mineralization

Moderate

Ovary

Diestrus

Uterus

Decidual Reaction

Diestrus

Vagina

Diestrus

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99930-96
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Endocrine disruptor (Genistein)
CAS Number: 446-72-0

Date Report Requested: 10/19/2014
Time Report Requested: 04:27:02
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 921

TRT#: 3

SEX: Female

DAY ON TEST: 162

DOSE: F3/100PPM TO CTL

DISP: Terminal Sacrifice

HISTO: 21320100921

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Kidney

Mammary Gland

Oviduct

OBSERVATIONS

Ovary

Diestrus

Uterus

Decidual Reaction

Vagina

Diestrus

Diestrus

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99930-96
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Endocrine disruptor (Genistein)
CAS Number: 446-72-0

Date Report Requested: 10/19/2014
Time Report Requested: 04:27:02
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 922

TRT#: 3

SEX: Female

DAY ON TEST: 161

DOSE: F3/100PPM TO CTL

DISP: Terminal Sacrifice

HISTO: 21320100922

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Oviduct

OBSERVATIONS

| | | | |
|---------------|----------|-------------------|------|
| Kidney | | Mineralization | Mild |
| Mammary Gland | Alveolus | Hyperplasia | Mild |
| Ovary | | Proestrus | |
| Uterus | | Decidual Reaction | |
| | | Proestrus | |
| Vagina | | Proestrus | |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99930-96
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Endocrine disruptor (Genistein)
CAS Number: 446-72-0

Date Report Requested: 10/19/2014
Time Report Requested: 04:27:02
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 923

TRT#: 3

SEX: Female

DAY ON TEST: 161

DOSE: F3/100PPM TO CTL

DISP: Terminal Sacrifice

HISTO: 21320100923

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Mammary Gland

Oviduct

OBSERVATIONS

Kidney

Mineralization

Moderate

Ovary

Proestrus

Uterus

Decidual Reaction

Proestrus

Vagina

Proestrus

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99930-96
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Endocrine disruptor (Genistein)
CAS Number: 446-72-0

Date Report Requested: 10/19/2014
Time Report Requested: 04:27:02
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 924

TRT#: 3

SEX: Female

DAY ON TEST: 161

DOSE: F3/100PPM TO CTL

DISP: Terminal Sacrifice

HISTO: 21320100924

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Oviduct

OBSERVATIONS

| | | | |
|---------------|----------|-------------------|---------|
| Kidney | | Mineralization | Minimal |
| Mammary Gland | Alveolus | Hyperplasia | Minimal |
| Ovary | | Proestrus | |
| Uterus | | Decidual Reaction | |
| | | Proestrus | |
| Vagina | | Proestrus | |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99930-96
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Endocrine disruptor (Genistein)
CAS Number: 446-72-0

Date Report Requested: 10/19/2014
Time Report Requested: 04:27:02
First Dose M/F: NA / NA
Lab: NCTR

| | | | |
|-----------------------|-------------------------------|---------------------------------|---------------------------|
| ANIMAL ID: 925 | TRT#: 4 | SEX: Female | DAY ON TEST: 162 |
| | DOSE: F3/500PPM TO CTL | DISP: Terminal Sacrifice | HISTO: 21320100925 |

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|----------------|-----------------|-----------------|-------------|
| Adrenal Cortex | Adrenal Medulla | Bone Marrow | Bone, Femur |
| Liver | Oviduct | Pituitary Gland | Skin |
| Spleen | Thymus | Thyroid Gland | |

OBSERVATIONS

| | | | |
|---------------|----------|-------------------|---------|
| Kidney | | Mineralization | Mild |
| Mammary Gland | Alveolus | Hyperplasia | Minimal |
| Ovary | | Metestrus | |
| Uterus | | Decidual Reaction | |
| | | Metestrus | |
| Vagina | | Metestrus | |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99930-96
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Endocrine disruptor (Genistein)
CAS Number: 446-72-0

Date Report Requested: 10/19/2014
Time Report Requested: 04:27:02
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 926

TRT#: 4

SEX: Female

DAY ON TEST: 161

DOSE: F3/500PPM TO CTL

DISP: Terminal Sacrifice

HISTO: 21320100926

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Cortex
Kidney
Skin

Adrenal Medulla
Liver
Spleen

Bone Marrow
Oviduct
Thymus

Bone, Femur
Pituitary Gland
Thyroid Gland

OBSERVATIONS

Mammary Gland
Ovary
Uterus

Vagina

Alveolus

Hyperplasia
Estrus
Decidual Reaction
Estrus
Estrus

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99930-96
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Endocrine disruptor (Genistein)
CAS Number: 446-72-0

Date Report Requested: 10/19/2014
Time Report Requested: 04:27:02
First Dose M/F: NA / NA
Lab: NCTR

| | | | |
|-----------------------|-------------------------------|---------------------------------|---------------------------|
| ANIMAL ID: 927 | TRT#: 4 | SEX: Female | DAY ON TEST: 161 |
| | DOSE: F3/500PPM TO CTL | DISP: Terminal Sacrifice | HISTO: 21320100927 |

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|----------------|-----------------|-------------|-----------------|
| Adrenal Cortex | Adrenal Medulla | Bone Marrow | Bone, Femur |
| Kidney | Liver | Oviduct | Pituitary Gland |
| Skin | Spleen | Thymus | Thyroid Gland |

OBSERVATIONS

| | | | |
|---------------|----------|-------------------|------|
| Mammary Gland | Alveolus | Hyperplasia | Mild |
| Ovary | | Proestrus | |
| Uterus | | Decidual Reaction | |
| | | Proestrus | |
| Vagina | | Proestrus | |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99930-96
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Endocrine disruptor (Genistein)
CAS Number: 446-72-0

Date Report Requested: 10/19/2014
Time Report Requested: 04:27:02
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 928

TRT#: 4

SEX: Female

DAY ON TEST: 161

DOSE: F3/500PPM TO CTL

DISP: Terminal Sacrifice

HISTO: 21320100928

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Cortex
Kidney
Pituitary Gland
Thyroid Gland

Adrenal Medulla
Liver
Skin

Bone Marrow
Mammary Gland
Spleen

Bone, Femur
Oviduct
Thymus

OBSERVATIONS

Ovary
Uterus

Proestrus
Decidual Reaction
Proestrus
Proestrus

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99930-96
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Endocrine disruptor (Genistein)
CAS Number: 446-72-0

Date Report Requested: 10/19/2014
Time Report Requested: 04:27:02
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 929

TRT#: 1

SEX: Female

DAY ON TEST: 161

DOSE: F3 0 PPM

DISP: Terminal Sacrifice

HISTO: 21320100929

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Cortex
Kidney
Skin

Adrenal Medulla
Liver
Spleen

Bone Marrow
Oviduct
Thymus

Bone, Femur
Pituitary Gland
Thyroid Gland

OBSERVATIONS

Mammary Gland
Ovary
Uterus

Vagina

Alveolus

Hyperplasia
Metestrus
Decidual Reaction
Metestrus
Metestrus

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99930-96
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Endocrine disruptor (Genistein)
CAS Number: 446-72-0

Date Report Requested: 10/19/2014
Time Report Requested: 04:27:02
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 930

TRT#: 1

SEX: Female

DAY ON TEST: 163

DOSE: F3 0 PPM

DISP: Terminal Sacrifice

HISTO: 21320100930

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Cortex
Liver
Skin

Adrenal Medulla
Mammary Gland
Spleen

Bone Marrow
Oviduct
Thymus

Bone, Femur
Pituitary Gland
Thyroid Gland

OBSERVATIONS

Kidney
Ovary
Uterus

Mineralization
Proestrus
Decidual Reaction
Estrus
Hyperplasia

Minimal

Endometrium

Cystic, Marked

[Hyperplasia TGLS = 1-6.1]

Vagina

Proestrus

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99930-96
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Endocrine disruptor (Genistein)
CAS Number: 446-72-0

Date Report Requested: 10/19/2014
Time Report Requested: 04:27:02
First Dose M/F: NA / NA
Lab: NCTR

| | | | |
|-----------------------|-----------------------|---------------------------------|---------------------------|
| ANIMAL ID: 931 | TRT#: 1 | SEX: Female | DAY ON TEST: 162 |
| | DOSE: F3 0 PPM | DISP: Terminal Sacrifice | HISTO: 21320100931 |

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|----------------|-----------------|-------------|-----------------|
| Adrenal Cortex | Adrenal Medulla | Bone Marrow | Bone, Femur |
| Liver | Mammary Gland | Oviduct | Pituitary Gland |
| Skin | Spleen | Thymus | Thyroid Gland |

OBSERVATIONS

| | | |
|---|-------------------|------|
| Kidney | Mineralization | Mild |
| Ovary | Proestrus | |
| Uterus | Decidual Reaction | |
| | Proestrus | |
| Note: TGL # 01 - NO MICROSCOPIC CORRELATE | | |
| Vagina | Proestrus | |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99930-96
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Endocrine disruptor (Genistein)
CAS Number: 446-72-0

Date Report Requested: 10/19/2014
Time Report Requested: 04:27:02
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 932

TRT#: 1

SEX: Female

DAY ON TEST: 161

DOSE: F3 0 PPM

DISP: Terminal Sacrifice

HISTO: 21320100932

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Cortex
Liver
Skin

Adrenal Medulla
Mammary Gland
Spleen

Bone Marrow
Oviduct
Thymus

Bone, Femur
Pituitary Gland
Thyroid Gland

OBSERVATIONS

Kidney
Ovary
Uterus

Mineralization
Diestrus
Decidual Reaction
Diestrus
Diestrus

Minimal

Vagina

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99930-96
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Endocrine disruptor (Genistein)
CAS Number: 446-72-0

Date Report Requested: 10/19/2014
Time Report Requested: 04:27:02
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 933

TRT#: 1

SEX: Female

DAY ON TEST: 160

DOSE: F3 0 PPM

DISP: Terminal Sacrifice

HISTO: 21320100933

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Cortex
Liver
Skin

Adrenal Medulla
Mammary Gland
Spleen

Bone Marrow
Oviduct
Thymus

Bone, Femur
Pituitary Gland
Thyroid Gland

OBSERVATIONS

Kidney
Ovary
Uterus

Vagina

Mineralization
Diestrus
Decidual Reaction
Diestrus
Diestrus

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99930-96
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Endocrine disruptor (Genistein)
CAS Number: 446-72-0

Date Report Requested: 10/19/2014
Time Report Requested: 04:27:02
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 934

TRT#: 1

SEX: Female

DAY ON TEST: 159

DOSE: F3 0 PPM

DISP: Terminal Sacrifice

HISTO: 21320100934

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Cortex
Liver
Skin

Adrenal Medulla
Mammary Gland
Spleen

Bone Marrow
Oviduct
Thymus

Bone, Femur
Pituitary Gland
Thyroid Gland

OBSERVATIONS

Kidney
Ovary
Uterus

Vagina

Mineralization
Proestrus
Decidual Reaction
Proestrus
Proestrus

Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99930-96
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Endocrine disruptor (Genistein)
CAS Number: 446-72-0

Date Report Requested: 10/19/2014
Time Report Requested: 04:27:02
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 935

TRT#: 2

SEX: Female

DAY ON TEST: 164

DOSE: F3/5PPM TO CTL

DISP: Terminal Sacrifice

HISTO: 21320100935

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Mammary Gland

Oviduct

OBSERVATIONS

Kidney

Mineralization

Minimal

Liver

Hepatodiaphragmatic Nodule

[Hepatodiaphragmatic Nodule TGLS = 1-5]

Ovary

Estrus

Uterus

Decidual Reaction

Vagina

Estrus

Estrus

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99930-96
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Endocrine disruptor (Genistein)
CAS Number: 446-72-0

Date Report Requested: 10/19/2014
Time Report Requested: 04:27:02
First Dose M/F: NA / NA
Lab: NCTR

| | | | |
|-----------------------|-----------------------------|---------------------------------|---------------------------|
| ANIMAL ID: 936 | TRT#: 2 | SEX: Female | DAY ON TEST: 164 |
| | DOSE: F3/5PPM TO CTL | DISP: Terminal Sacrifice | HISTO: 21320100936 |

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | |
|---------------|---------|
| Mammary Gland | Oviduct |
|---------------|---------|

OBSERVATIONS

| | | |
|--|-------------------|---------|
| Kidney | Cyst | |
| | Mineralization | Minimal |
| Note: PATHOLOGIST NOTED: CYST ON LEFT KIDNEY | | |
| Ovary | Diestrus | |
| Uterus | Decidual Reaction | |
| | Diestrus | |
| Note: TGL # 01 - NO MICROSCOPIC CORRELATE | | |
| Vagina | Diestrus | |

PRIMARY CAUSE OF DEATH

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99930-96
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Endocrine disruptor (Genistein)
CAS Number: 446-72-0

Date Report Requested: 10/19/2014
Time Report Requested: 04:27:02
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 937

TRT#: 2

SEX: Female

DAY ON TEST: 162

DOSE: F3/5PPM TO CTL

DISP: Terminal Sacrifice

HISTO: 21320100937

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Mammary Gland

Oviduct

OBSERVATIONS

Kidney

Mineralization

Minimal

Ovary

Metestrus

Uterus

Decidual Reaction

Metestrus

Vagina

Metestrus

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99930-96
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Endocrine disruptor (Genistein)
CAS Number: 446-72-0

Date Report Requested: 10/19/2014
Time Report Requested: 04:27:02
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 938

TRT#: 4

SEX: Female

DAY ON TEST: 161

DOSE: F3/500PPM TO CTL

DISP: Terminal Sacrifice

HISTO: 21320100938

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Cortex
Kidney
Skin

Adrenal Medulla
Liver
Spleen

Bone Marrow
Oviduct
Thymus

Bone, Femur
Pituitary Gland
Thyroid Gland

OBSERVATIONS

Mammary Gland
Ovary
Uterus

Vagina

Alveolus

Hyperplasia
Metestrus
Decidual Reaction
Metestrus
Metestrus

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99930-96
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Endocrine disruptor (Genistein)
CAS Number: 446-72-0

Date Report Requested: 10/19/2014
Time Report Requested: 04:27:02
First Dose M/F: NA / NA
Lab: NCTR

ANIMAL ID: 939

TRT#: 4

SEX: Female

DAY ON TEST: 161

DOSE: F3/500PPM TO CTL

DISP: Terminal Sacrifice

HISTO: 21320100939

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Cortex
Kidney
Pituitary Gland
Thyroid Gland

Adrenal Medulla
Liver
Skin

Bone Marrow
Mammary Gland
Spleen

Bone, Femur
Oviduct
Thymus

OBSERVATIONS

Ovary
Uterus

Diestrus
Decidual Reaction
Diestrus
Diestrus

PRIMARY CAUSE OF DEATH

-

**** END OF REPORT ****