

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

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
Test Compound: Endocrine disruptor (Genistein)
CAS Number: 446-72-0

Date Report Requested: 10/19/2014
Time Report Requested: 04:27:37
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 |

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 First Dose M/F: NA / NA
 Lab: NCTR

CD Rat Male
 F3 0 PPM

| DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----------------|---|
| | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 5 | 5 |
| | 1 | 1 | 1 | 0 | 1 | 1 | 1 | 0 | 2 | 2 | 1 | 1 | 1 | 0 | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 3 | 1 | 9 | 9 |
| ANIMAL ID | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 |
| | 7 | 7 | 7 | 7 | 9 | 9 | 9 | 9 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 4 | 4 | 4 |
| | 0 | 1 | 2 | 3 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 0 | 1 | 2 |
| | | | | | | | | | | | | | | | | | | | | | | | | *TOTALS | |

Alimentary System

Liver + + + + + + + + + + + + + + + + + + + + + + + + + 25

Cardiovascular System

NONE

Endocrine System

Adrenal Cortex + + + + + + + + + + + + + + + + + + + + + + + + + 25
 Adrenal Medulla + + + + + + + + + + + + + + + + + + + + + + + + + 25
 Pituitary Gland + + + + + + + + + + + + + + + + + + + + + + + + + 25
 Thyroid Gland + + + + + + + + + + + + + + + + + + + + + + + + + 25

General Body System

NONE

Genital System

Coagulating Gland + + + + + + + + + + + + + + + + + + + + + + + + + 25
 Epididymis + + + + + + + + + + + + + + + + + + + + + + + + + 25
 Prostate + + + + + + + + + + + + + + + + + + + + + + + + + 3
 Prostate, Dorsal Lobe + + + + + + + + + + + + + + + + + + + + + + + + + 25
 Prostate, Ventral Lobe + + + + + + + + + + + + + + + + + + + + + + + + + 25
 Rete Testes + + + + + + + + + + + + + + + + + + + + + + + M + + 24
 Seminal Vesicle + + + + + + + + + + + + + + + + + + + + + + + + + 25
 Testes + + + + + + + + + + + + + + + + + + + + + + + + + 25

* ..Total animals with tissue examined microscopically; Total animals with tumor
 + ..Tissue examined microscopically
 X ..Lesion present
 I ..Insufficient tissue

M ..Missing tissue
 A ..Autolysis precludes evaluation
 BLANK ..Not examined microscopically

Experiment Number: 99930-96
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 First Dose M/F: NA / NA
 Lab: NCTR

CD Rat Male
 F3 0 PPM

| DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|-------------|----------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 5 | 5 |
| | 1 | 1 | 1 | 0 | 1 | 1 | 1 | 0 | 2 | 2 | 1 | 1 | 1 | 1 | 0 | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 3 | 1 | 9 |
| ANIMAL ID | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 |
| | 7 | 7 | 7 | 7 | 9 | 9 | 9 | 9 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 4 | 4 | 4 |
| | 0 | 1 | 2 | 3 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 0 | 1 | 2 |
| | *TOTALS | | | | | | | | | | | | | | | | | | | | | | | | |

Hematopoietic System

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| Bone Marrow | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 25 |
| Spleen | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 25 |
| Thymus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 25 |

Integumentary System

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|----|
| Mammary Gland | + | + | + | + | + | + | + | I | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 24 | |
| Skin | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | 24 |

Musculoskeletal System

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| Bone, Femur | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 25 |
|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|

Nervous System

NONE

Respiratory System

NONE

Special Senses System

NONE

Urinary System

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|--------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| Kidney | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 25 |
|--------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|

SYSTEMIC LESIONS

* ..Total animals with tissue examined microscopically; Total animals with tumor
 + ..Tissue examined microscopically
 X ..Lesion present
 I ..Insufficient tissue

M ..Missing tissue
 A ..Autolysis precludes evaluation
 BLANK ..Not examined microscopically

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

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
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Date Report Requested: 10/19/2014
 Time Report Requested: 04:27:37
 First Dose M/F: NA / NA
 Lab: NCTR

CD Rat Male
 F3/5PPM TO CTL

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 1 | 2 | 2 | 2 | 2 | 2 | 1 | 0 | 1 | 2 | 1 | 1 | 0 | 0 | 4 | 4 | 2 |
| ANIMAL ID | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 7 | 8 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 6 | 9 | 9 | 9 | 9 | 9 | 4 | 4 | 4 |
| | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 7 | 8 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 6 | 9 | 9 | 9 | 9 | 9 | 4 | 4 | 4 |
| | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 7 | 8 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 6 | 9 | 9 | 9 | 9 | 9 | 4 | 4 | 4 |
| | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 7 | 8 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 6 | 9 | 9 | 9 | 9 | 9 | 4 | 4 | 4 |
| | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 7 | 8 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 6 | 9 | 9 | 9 | 9 | 9 | 4 | 4 | 4 |
| | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 7 | 8 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 6 | 9 | 9 | 9 | 9 | 9 | 4 | 4 | 4 |
| | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 7 | 8 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 6 | 9 | 9 | 9 | 9 | 9 | 4 | 4 | 4 |
| | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 7 | 8 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 6 | 9 | 9 | 9 | 9 | 9 | 4 | 4 | 4 |
| | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 7 | 8 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 6 | 9 | 9 | 9 | 9 | 9 | 4 | 4 | 4 |
| | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 7 | 8 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 6 | 9 | 9 | 9 | 9 | 9 | 4 | 4 | 4 |
| | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 7 | 8 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 6 | 9 | 9 | 9 | 9 | 9 | 4 | 4 | 4 |
| | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 7 | 8 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 6 | 9 | 9 | 9 | 9 | 9 | 4 | 4 | 4 |
| | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 7 | 8 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 6 | 9 | 9 | 9 | 9 | 9 | 4 | 4 | 4 |
| | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 7 | 8 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 6 | 9 | 9 | 9 | 9 | 9 | 4 | 4 | 4 |
| | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 7 | 8 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 6 | 9 | 9 | 9 | 9 | 9 | 4 | 4 | 4 |
| | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 7 | 8 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 6 | 9 | 9 | 9 | 9 | 9 | 4 | 4 | 4 |
| | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 7 | 8 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 6 | 9 | 9 | 9 | 9 | 9 | 4 | 4 | 4 |
| | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 7 | 8 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 6 | 9 | 9 | 9 | 9 | 9 | 4 | 4 | 4 |
| | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 7 | 8 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 6 | 9 | 9 | 9 | 9 | 9 | 4 | 4 | 4 |
| | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 7 | 8 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 6 | 9 | 9 | 9 | 9 | 9 | 4 | 4 | 4 |
| | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 7 | 8 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 6 | 9 | 9 | 9 | 9 | 9 | 4 | 4 | 4 |
| | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 7 | 8 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 6 | 9 | 9 | 9 | 9 | 9 | 4 | 4 | 4 |
| | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 7 | 8 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 6 | 9 | 9 | 9 | 9 | 9 | 4 | 4 | 4 |
| | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 7 | 8 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 6 | 9 | 9 | 9 | 9 | 9 | 4 | 4 | 4 |
| | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 7 | 8 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 6 | 9 | 9 | 9 | 9 | 9 | 4 | 4 | 4 |
| | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 7 | 8 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 6 | 9 | 9 | 9 | 9 | 9 | 4 | 4 | 4 |
| | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 7 | 8 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 6 | 9 | 9 | 9 | 9 | 9 | 4 | 4 | 4 |
| | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 7 | 8 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 6 | 9 | 9 | 9 | 9 | 9 | 4 | 4 | 4 |
| | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 7 | 8 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 6 | 9 | 9 | 9 | 9 | 9 | 4 | 4 | 4 |
| | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 7 | 8 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 6 | 9 | 9 | 9 | 9 | 9 | 4 | 4 | 4 |
| | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 7 | 8 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 6 | 9 | 9 | 9 | 9 | 9 | 4 | 4 | 4 |
| | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 7 | 8 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 6 | 9 | 9 | 9 | 9 | 9 | 4 | 4 | 4 |
| | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 7 | 8 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 6 | 9 | 9 | 9 | 9 | 9 | 4 | 4 | 4 |
| | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 7 | 8 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 6 | 9 | 9 | 9 | 9 | 9 | 4 | 4 | 4 |
| | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 7 | 8 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 6 | 9 | 9 | 9 | 9 | 9 | 4 | 4 | 4 |
| | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 7 | 8 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 6 | 9 | 9 | 9 | 9 | 9 | 4 | 4 | 4 |
| | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 7 | 8 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 6 | 9 | 9 | 9 | 9 | 9 | 4 | 4 | 4 |
| | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 7 | 8 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 6 | 9 | 9 | 9 | 9 | 9 | 4 | 4 | 4 |
| | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 7 | 8 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 6 | 9 | 9 | 9 | 9 | 9 | 4 | 4 | 4 |
| | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 7 | 8 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 6 | 9 | 9 | 9 | 9 | 9 | 4 | 4 | 4 |
| | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 7 | 8 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 6 | 9 | 9 | 9 | 9 | 9 | 4 | 4 | 4 |
| | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 7 | 8 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 6 | 9 | 9 | 9 | 9 | 9 | 4 | 4 | 4 |
| | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 7 | 8 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 6 | 9 | 9 | 9 | 9 | 9 | 4 | 4 | 4 |
| | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 7 | 8 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 6 | 9 | 9 | 9 | 9 | 9 | 4 | 4 | 4 |
| | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 7 | 8 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 6 | 9 | 9 | 9 | 9 | 9 | 4 | 4 | 4 |
| | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 7 | 8 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 6 | 9 | 9 | 9 | 9 | 9 | 4 | 4 | 4 |
| | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 7 | 8 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 6 | 9 | 9 | 9 | 9 | 9 | 4 | 4 | 4 |
| | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 7 | 8 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 6 | 9 | 9 | 9 | 9 | 9 | 4 | 4 | 4 |
| | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 7 | 8 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 6 | 9 | 9 | 9 | 9 | 9 | 4 | 4 | 4 |
| | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 7 | 8 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 6 | 9 | 9 | 9 | 9 | 9 | 4 | 4 | 4 |
| | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 7 | 8 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 6 | 9 | 9 | 9 | 9 | 9 | 4 | 4 | 4 |
| | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 7 | 8 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 6 | 9 | 9 | 9 | 9 | 9 | 4 | 4 | 4 |
| | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 7 | 8 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 6 | 9 | 9 | 9 | 9 | 9 | 4 | 4 | 4 |
| | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 7 | 8 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 6 | 9 | 9 | 9 | 9 | 9 | 4 | 4 | 4 |
| | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 7 | 8 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 6 | 9 | 9 | 9 | 9 | 9 | 4 | 4 | 4 |
| | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 7 | 8 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 6 | 9 | 9 | 9 | 9 | 9 | 4 | 4 | 4 |
| | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 7 | 8 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 6 | 9 | 9 | 9 | 9 | 9 | 4 | 4 | 4 |
| | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 7 | 8 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 6 | 9 | 9 | 9 | 9 | 9 | 4 | 4 | 4 |
| | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 7 | 8 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 6 | 9 | 9 | 9 | 9 | 9 | 4 | 4 | 4 |
| | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 7 | 8 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 6 | 9 | 9 | 9 | 9 | 9 | 4 | 4 | 4 |
| | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 7 | 8 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 6 | 9 | 9 | 9 | 9 | 9 | 4 | 4 | 4 |
| | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 7 | 8 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 6 | 9 | 9 | 9 | 9 | 9 | 4 | 4 | 4 |
| | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 7 | 8 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 6 | 9 | 9 | 9 | 9 | 9 | 4 | 4 | 4 |
| | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 7 | 8 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 6 | 9 | 9 | 9 | 9 | 9 | 4 | 4 | 4 |
| | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 7 | 8 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 6 | 9 | 9 | 9 | 9 | 9 | 4 | 4 | 4 |
| | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 7 | 8 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 6 | 9 | 9 | 9 | 9 | 9 | | | |

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 Lab: NCTR

| CD Rat Male F3/5PPM TO CTL | DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | *TOTALS |
|-------------------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---------|
| | ANIMAL ID | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | |
| | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | |
| | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 7 | 8 | 4 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 3 | 4 | 5 | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | |
| NONE | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Integumentary System | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mammary Gland | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 25 |
| Musculoskeletal System | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bone, Vertebra | | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Nervous System | | | | | | | | | | | | | | | | | | | | | | | | | | |
| NONE | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Respiratory System | | | | | | | | | | | | | | | | | | | | | | | | | | |
| NONE | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Special Senses System | | | | | | | | | | | | | | | | | | | | | | | | | | |
| NONE | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Urinary System | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Kidney | | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| SYSTEMIC LESIONS | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Multiple Organ | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 25 |

* ..Total animals with tissue examined microscopically; Total animals with tumor
 + ..Tissue examined microscopically
 X ..Lesion present
 I ..Insufficient tissue
 M ..Missing tissue
 A ..Autolysis precludes evaluation
 BLANK ..Not examined microscopically

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

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Test Compound: Endocrine disruptor (Genistein)
 CAS Number: 446-72-0

Date Report Requested: 10/19/2014
 Time Report Requested: 04:27:38
 First Dose M/F: NA / NA
 Lab: NCTR

CD Rat Male
 F3/100PPM TO CTL

| DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|-------------|----------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| | 1 | 1 | 1 | 0 | 0 | 0 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 1 | 1 | 2 | 2 | 2 | 1 | 1 | 1 |
| ANIMAL ID | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 |
| | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 5 | 5 | 5 | 9 | 9 | 9 | 9 | 0 | 0 |
| | 1 | 2 | 3 | 4 | 5 | 6 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 1 | 2 | 3 | 4 | 6 | 7 | 8 | 9 | 0 | 1 |
| | *TOTALS | | | | | | | | | | | | | | | | | | | | | | | |

Integumentary System

Mammary Gland + + + + + + + + + + + + + + + + + + + + + + + + 25

Musculoskeletal System

NONE

Nervous System

NONE

Respiratory System

NONE

Special Senses System

NONE

Urinary System

NONE

SYSTEMIC LESIONS

Multiple Organ + + + + + + + + + + + + + + + + + + + + + + + + 25

* ..Total animals with tissue examined microscopically; Total animals with tumor
 + ..Tissue examined microscopically
 X ..Lesion present
 I ..Insufficient tissue

M ..Missing tissue
 A ..Autolysis precludes evaluation
 BLANK ..Not examined microscopically

Experiment Number: 99930-96
 Test Type: SPECIAL STUDY
 Route: DOSED FEED
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P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Test Compound: Endocrine disruptor (Genistein)
 CAS Number: 446-72-0

Date Report Requested: 10/19/2014
 Time Report Requested: 04:27:38
 First Dose M/F: NA / NA
 Lab: NCTR

CD Rat Male
 F3/500PPM TO CTL

| DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|-------------|----------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 2 | 1 | 1 | 1 | 1 | 1 |
| ANIMAL ID | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 7 | 7 | 7 | 7 | 7 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| | 8 | 8 | 8 | 9 | 9 | 9 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 5 | 5 | 5 | 5 | 5 | 6 | 0 | 0 | 0 | 4 | 4 | |
| | 7 | 8 | 9 | 0 | 1 | 2 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 5 | 6 | 7 | 8 | 9 | 0 | 3 | 4 | 5 | 6 | 7 | |
| | *TOTALS | | | | | | | | | | | | | | | | | | | | | | | | |

Alimentary System

Liver + + + + + + + + + + + + + + + + + + + + + + + + 24

Cardiovascular System

Blood Vessel + 1

Endocrine System

Adrenal Cortex + + + + + + + + + + + + + + + + + + + + + + + + 25
 Adrenal Medulla + + + + + + + + + + + + + + + + + + + + + + + + 25
 Pituitary Gland + + + + + + + + + + + + + + + + + + + + + + + + 25
 Thyroid Gland + + + + + + + + + + + + + + + + + + + + + + + + 25

General Body System

NONE

Genital System

Coagulating Gland + + + + + + + + + + + + + + + + + + + + + + + + 25
 Epididymis + + + + + + + + + + + + + + + + + + + + + + + + 25
 Prostate + + + + + + + + + + + + + + + + + + + + + + + + 5
 Prostate, Dorsal Lobe + + + + + + + + + + + + + + + + + + + + + + + + 25
 Prostate, Ventral Lobe + + + + + + + + + + + + + + + + + + + + + + + + 25
 Rete Testes + + + + + + + + + + + + + + + + + + + + + + M + 24
 Seminal Vesicle + + + + + + + + + + + + + + + + + + + + + + + + 25
 Testes + + + + + + + + + + + + + + + + + + + + + + + + 25

* ..Total animals with tissue examined microscopically; Total animals with tumor
 + ..Tissue examined microscopically
 X ..Lesion present
 I ..Insufficient tissue

M ..Missing tissue
 A ..Autolysis precludes evaluation
 BLANK ..Not examined microscopically

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

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Test Compound: Endocrine disruptor (Genistein)
 CAS Number: 446-72-0

Date Report Requested: 10/19/2014
 Time Report Requested: 04:27:38
 First Dose M/F: NA / NA
 Lab: NCTR

CD Rat Male
 F3/500PPM TO CTL

| DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----------------|---|
| | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 2 | 1 | 1 | 1 | 1 | 1 |
| ANIMAL ID | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 7 | 7 | 7 | 7 | 7 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| | 8 | 8 | 8 | 9 | 9 | 9 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 5 | 5 | 5 | 5 | 5 | 6 | 0 | 0 | 0 | 0 | 4 | 4 |
| | 7 | 8 | 9 | 0 | 1 | 2 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 5 | 6 | 7 | 8 | 9 | 0 | 3 | 4 | 5 | 6 | 7 | |
| | | | | | | | | | | | | | | | | | | | | | | | | *TOTALS | |

Hematopoietic System

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| Bone Marrow | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 25 |
| Spleen | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 25 |
| Thymus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 25 |

Integumentary System

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| Mammary Gland | + | + | I | + | + | + | + | I | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 23 |
| Skin | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 25 |

Musculoskeletal System

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| Bone, Femur | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 25 |
|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|

Nervous System

NONE

Respiratory System

NONE

Special Senses System

NONE

Urinary System

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|--------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| Kidney | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 25 |
|--------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|

SYSTEMIC LESIONS

* ..Total animals with tissue examined microscopically; Total animals with tumor
 + ..Tissue examined microscopically
 X ..Lesion present
 I ..Insufficient tissue

M ..Missing tissue
 A ..Autolysis precludes evaluation
 BLANK ..Not examined microscopically

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

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Test Compound: Endocrine disruptor (Genistein)
 CAS Number: 446-72-0

Date Report Requested: 10/19/2014
 Time Report Requested: 04:27:38
 First Dose M/F: NA / NA
 Lab: NCTR

CD Rat Female
F3 0 PPM

| DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----------------|---|
| | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 5 | 5 |
| | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 |
| ANIMAL ID | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| | 4 | 4 | 5 | 5 | 5 | 5 | 5 | 1 | 1 | 1 | 1 | 6 | 6 | 6 | 6 | 0 | 0 | 0 | 1 | 1 | 2 | 3 | 3 | 3 | 3 |
| | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 4 | 5 | 6 | 2 | 3 | 4 | 5 | 7 | 8 | 9 | 0 | 1 | 1 | 2 | 3 | 3 | 3 | 4 |
| | | | | | | | | | | | | | | | | | | | | | | | | *TOTALS | |

Alimentary System

Liver + + + + + + + + + + + + + + + + + + + + + + + + 25

Cardiovascular System

NONE

Endocrine System

Adrenal Cortex + + + + + + + + + + + + + + + + + + + + + + + + 25
 Adrenal Medulla + + + + + + + + + + + + + + + + + + + + + + + + 25
 Pituitary Gland + + + + + + + + + + + + + + + + + + + + + + + + 25
 Thyroid Gland + + + + + + + + + + + + + + + + + + + + + + + + 25

General Body System

NONE

Genital System

Ovary + + + + + + + + + + + + + + + + + + + + + + + + 25
 Oviduct + + + + + + + + + + + + + + + + + + + + + + + + 25
 Uterus + + + + + + + + + + + + + + + + + + + + + + + + 25
 Vagina + + + + M + + + + + + + + + + + + + + + + + + + 24

Hematopoietic System

Bone Marrow + + + + + + + + + + + + + + + + + + + + + + + + 25
 Spleen + + + + + + + + + + + + + + + + + + + + + + + + 25

* ..Total animals with tissue examined microscopically; Total animals with tumor
 + ..Tissue examined microscopically
 X ..Lesion present
 I ..Insufficient tissue

M ..Missing tissue
 A ..Autolysis precludes evaluation
 BLANK ..Not examined microscopically

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

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Test Compound: Endocrine disruptor (Genistein)
 CAS Number: 446-72-0

Date Report Requested: 10/19/2014
 Time Report Requested: 04:27:38
 First Dose M/F: NA / NA
 Lab: NCTR

**CD Rat Female
 F3/5PPM TO CTL**

| DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|-------------|----------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | 6 | 6 | 6 | 6 | 6 | 6 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| | 1 | 1 | 1 | 1 | 2 | 0 | 0 | 9 | 2 | 2 | 2 | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 4 | 4 | 2 |
| ANIMAL ID | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 7 | 7 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| | 5 | 5 | 5 | 1 | 1 | 1 | 2 | 3 | 6 | 6 | 6 | 7 | 7 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 3 | 3 | 3 | 3 |
| | 5 | 6 | 7 | 7 | 8 | 9 | 0 | 6 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 5 | 6 | 7 |
| | *TOTALS | | | | | | | | | | | | | | | | | | | | | | | | |

Alimentary System

Liver + 2

Cardiovascular System

NONE

Endocrine System

Adrenal Cortex + 1
 Adrenal Medulla + 1
 Pituitary Gland + 1
 Thyroid Gland + 1

General Body System

NONE

Genital System

Ovary + + + + + + + + + + + + + + + + + + + + + + + + 25
 Oviduct + + + + + + + + + + + + + + + + + + + + + + + + 25
 Uterus + + + + + + + + + + + + + + + + + + + + + + + + 25
 Vagina + + + + + + + + + + + + + + + + + + + + + + + + 25

Hematopoietic System

Bone Marrow + 1
 Spleen + 1

* ..Total animals with tissue examined microscopically; Total animals with tumor
 + ..Tissue examined microscopically
 X ..Lesion present
 I ..Insufficient tissue

M ..Missing tissue
 A ..Autolysis precludes evaluation
 BLANK ..Not examined microscopically

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

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Test Compound: Endocrine disruptor (Genistein)
 CAS Number: 446-72-0

Date Report Requested: 10/19/2014
 Time Report Requested: 04:27:39
 First Dose M/F: NA / NA
 Lab: NCTR

**CD Rat Female
 F3/100PPM TO CTL**

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 0 | 0 | 0 | 0 | 2 | 1 | 1 | 1 | 1 | 0 | 0 | 2 | 2 | 1 | 1 | 1 |
| ANIMAL ID | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 |
| | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 2 | 2 | 2 | 2 | 2 | 2 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 2 | 2 | 2 | 2 | 2 |
| | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 5 | 6 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 0 | 1 | 2 | 3 | 4 |

***TOTALS**

Alimentary System

NONE

Cardiovascular System

NONE

Endocrine System

NONE

General Body System

NONE

Genital System

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| Ovary | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 25 |
| Oviduct | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 25 |
| Uterus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 25 |
| Vagina | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 25 |

Hematopoietic System

NONE

Integumentary System

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| Mammary Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 25 |
|---------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|

Musculoskeletal System

* ..Total animals with tissue examined microscopically; Total animals with tumor
 + ..Tissue examined microscopically
 X ..Lesion present
 I ..Insufficient tissue

M ..Missing tissue
 A ..Autolysis precludes evaluation
 BLANK ..Not examined microscopically

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

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Test Compound: Endocrine disruptor (Genistein)
 CAS Number: 446-72-0

Date Report Requested: 10/19/2014
 Time Report Requested: 04:27:39
 First Dose M/F: NA / NA
 Lab: NCTR

**CD Rat Female
 F3/500PPM TO CTL**

| DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----------------|---|
| | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 0 | 2 | 1 | 1 | 1 | 1 | 1 |
| ANIMAL ID | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 7 | 7 | 7 | 7 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| | 6 | 6 | 6 | 6 | 6 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 7 | 8 | 8 | 8 | 2 | 2 | 2 | 2 | 3 | 3 | 3 |
| | 5 | 6 | 7 | 8 | 9 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 9 | 0 | 1 | 2 | 3 | 5 | 6 | 7 | 8 | 9 | 9 |
| | | | | | | | | | | | | | | | | | | | | | | | | *TOTALS | |

Alimentary System

Liver + + + + + + + + + + + M + + + + + + + + + + + + + 24

Cardiovascular System

NONE

Endocrine System

Adrenal Cortex + + + + + + + + + + + + + + + + + + + + + + + 25
 Adrenal Medulla + + + + + + + + + + + + + + + + + + + + + + + 25
 Pituitary Gland + + + + + + + + + + + + + + + + + + + + + + + 25
 Thyroid Gland + + + + + + + + + + + + + + + + + + + + + + + 25

General Body System

NONE

Genital System

Ovary + + + + + + + + + + + + + + + + + + + + + + + 25
 Oviduct + + + + + + + + + + + + + + + + + + + + + + + 25
 Uterus + + + + + + + + + + + + + + + + + + + + + + + 25
 Vagina + + + + + + + + + + + + + + + + + + + + + + + 25

Hematopoietic System

Bone Marrow + + + + + + + + + + + + + + + + + + + + + + + 25
 Spleen + + + + + + + + + + + + + + + + + + + + + + + 25

* ..Total animals with tissue examined microscopically; Total animals with tumor
 + ..Tissue examined microscopically
 X ..Lesion present
 I ..Insufficient tissue

M ..Missing tissue
 A ..Autolysis precludes evaluation
 BLANK ..Not examined microscopically

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

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Test Compound: Endocrine disruptor (Genistein)
 CAS Number: 446-72-0

Date Report Requested: 10/19/2014
 Time Report Requested: 04:27:39
 First Dose M/F: NA / NA
 Lab: NCTR

| CD Rat Female F3/500PPM TO CTL | DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|-----------------------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | ANIMAL ID | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| | | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 0 | 2 | 1 | 1 | 1 | 1 | |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | 7 | 7 | 7 | 7 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | |
| | | 6 | 6 | 6 | 6 | 6 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 7 | 8 | 8 | 8 | 8 | 2 | 2 | 2 | 2 | 3 | |
| | | 5 | 6 | 7 | 8 | 9 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 9 | 0 | 1 | 2 | 3 | 5 | 6 | 7 | 8 | |
| | | | | | | | | | | | | | | | | | | | | | | | | | |
| Thymus | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Integumentary System | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mammary Gland | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Skin | | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | |
| Musculoskeletal System | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bone, Femur | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Nervous System | | | | | | | | | | | | | | | | | | | | | | | | | |
| NONE | | | | | | | | | | | | | | | | | | | | | | | | | |
| Respiratory System | | | | | | | | | | | | | | | | | | | | | | | | | |
| NONE | | | | | | | | | | | | | | | | | | | | | | | | | |
| Special Senses System | | | | | | | | | | | | | | | | | | | | | | | | | |
| NONE | | | | | | | | | | | | | | | | | | | | | | | | | |
| Urinary System | | | | | | | | | | | | | | | | | | | | | | | | | |
| Kidney | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| SYSTEMIC LESIONS | | | | | | | | | | | | | | | | | | | | | | | | | |
| Multiple Organ | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |

*TOTALS

** END OF REPORT **

* ..Total animals with tissue examined microscopically; Total animals with tumor
 + ..Tissue examined microscopically
 X ..Lesion present
 I ..Insufficient tissue
 M ..Missing tissue
 A ..Autolysis precludes evaluation
 BLANK ..Not examined microscopically