

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

P02: INCIDENCE RATES OF NEOPLASMS BY ANATOMIC SITE (a)

Test Compound: Endocrine disruptor (Genistein)

CAS Number: 446-72-0

Date Report Requested: 10/19/2014

Time Report Requested: 04:27:09

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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| CD Rat MALE | F3 | 0 PPM | F3/5PPM TO CTL | F3/100PPM TO CTL | F3/500PPM TO CTL |
|----------------------------------|----|-------|----------------|------------------|------------------|
| Disposition Summary | | | | | |
| Animals Initially In Study | | 25 | 25 | 25 | 25 |
| Early Deaths | | | | | |
| Survivors | | | | | |
| Terminal Sacrifice | | 25 | 25 | 25 | 25 |
| Animals Examined Microscopically | | 25 | 25 | 25 | 25 |
| ALIMENTARY SYSTEM | | | | | |
| Liver | | (25) | (0) | (0) | (24) |
| CARDIOVASCULAR SYSTEM | | | | | |
| Blood Vessel | | (0) | (0) | (0) | (1) |
| ENDOCRINE SYSTEM | | | | | |
| Adrenal Cortex | | (25) | (0) | (0) | (25) |
| Adrenal Medulla | | (25) | (0) | (0) | (25) |
| Pituitary Gland | | (25) | (0) | (0) | (25) |
| Thyroid Gland | | (25) | (0) | (0) | (25) |
| GENERAL BODY SYSTEM | | | | | |
| None | | | | | |
| GENITAL SYSTEM | | | | | |
| Coagulating Gland | | (25) | (25) | (25) | (25) |
| Ductus Deferens | | (0) | (1) | (0) | (0) |
| Epididymis | | (25) | (25) | (25) | (25) |
| Prostate | | (3) | (5) | (3) | (5) |
| Prostate, Dorsal Lobe | | (25) | (25) | (25) | (25) |
| Prostate, Ventral Lobe | | (25) | (25) | (25) | (25) |
| Rete Testes | | (24) | (25) | (25) | (24) |
| Seminal Vesicle | | (25) | (25) | (25) | (25) |

a - Number of animals examined microscopically at site and number of animals with lesion

b - Primary tumors: all tumors except metastatic tumors

* Number of animals with any tissue examined microscopically

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|-------------------------------|------|-------|----------------|------------------|------------------|
| Testes | (25) | (24) | (25) | (25) | (25) |
| HEMATOPOIETIC SYSTEM | | | | | |
| Bone Marrow | (25) | (0) | (0) | (0) | (25) |
| Spleen | (25) | (0) | (0) | (0) | (25) |
| Thymus | (25) | (0) | (0) | (0) | (25) |
| INTEGUMENTARY SYSTEM | | | | | |
| Mammary Gland | (24) | (25) | (25) | (25) | (23) |
| Skin | (24) | (0) | (0) | (0) | (25) |
| MUSCULOSKELETAL SYSTEM | | | | | |
| Bone, Femur | (25) | (0) | (0) | (0) | (25) |
| Bone, Vertebra | (0) | (1) | (0) | (0) | (0) |
| NERVOUS SYSTEM | | | | | |
| None | | | | | |
| RESPIRATORY SYSTEM | | | | | |
| None | | | | | |
| SPECIAL SENSES SYSTEM | | | | | |
| None | | | | | |
| URINARY SYSTEM | | | | | |
| Kidney | (25) | (1) | (0) | (0) | (25) |

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|-------------|----|-------|----------------|------------------|------------------|
|-------------|----|-------|----------------|------------------|------------------|

Tumor Summary for MALE

Total Animals with Primary Neoplasms (b)
Total Primary Neoplasms

Total Animals with Benign Neoplasms
Total Benign Neoplasms

Total Animals with Malignant Neoplasms
Total Malignant Neoplasms

Total Animals with Metastatic Neoplasms
Total Metastatic Neoplasms

**Total Animals with Malignant Neoplasms
Uncertain Primary Site**

**Total Animals with Neoplasms Uncertain -
Benign or Malignant**
Total Uncertain Neoplasms

END OF MALE DATA

a - Number of animals examined microscopically at site and number of animals with lesion

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| Disposition Summary | | | | | |
| Animals Initially In Study | | 25 | 25 | 25 | 25 |
| Early Deaths | | | | | |
| Survivors | | | | | |
| Terminal Sacrifice | | 25 | 25 | 25 | 25 |
| Animals Examined Microscopically | | 25 | 25 | 25 | 25 |
| ALIMENTARY SYSTEM | | | | | |
| Liver | | (25) | (2) | (0) | (24) |
| CARDIOVASCULAR SYSTEM | | | | | |
| None | | | | | |
| ENDOCRINE SYSTEM | | | | | |
| Adrenal Cortex | | (25) | (1) | (0) | (25) |
| Adrenal Medulla | | (25) | (1) | (0) | (25) |
| Pituitary Gland | | (25) | (1) | (0) | (25) |
| Thyroid Gland | | (25) | (1) | (0) | (25) |
| GENERAL BODY SYSTEM | | | | | |
| None | | | | | |
| GENITAL SYSTEM | | | | | |
| Ovary | | (25) | (25) | (25) | (25) |
| Oviduct | | (25) | (25) | (25) | (25) |
| Uterus | | (25) | (25) | (25) | (25) |
| Vagina | | (24) | (25) | (25) | (25) |
| HEMATOPOIETIC SYSTEM | | | | | |
| Bone Marrow | | (25) | (1) | (0) | (25) |
| Spleen | | (25) | (1) | (0) | (25) |

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|------------------------|--------|-------|----------------|------------------|------------------|
| Thymus | (25) | (1) | (0) | (25) | (25) |
| INTEGUMENTARY SYSTEM | | | | | |
| Mammary Gland | (25) | (25) | (25) | (25) | (25) |
| Skin | (25) | (1) | (0) | (24) | (24) |
| MUSCULOSKELETAL SYSTEM | | | | | |
| Bone, Femur | (25) | (1) | (0) | (25) | (25) |
| NERVOUS SYSTEM | | | | | |
| None | | | | | |
| RESPIRATORY SYSTEM | | | | | |
| None | | | | | |
| SPECIAL SENSES SYSTEM | | | | | |
| None | | | | | |
| URINARY SYSTEM | | | | | |
| Kidney | (25) | (25) | (25) | (25) | (25) |
| Adenoma, Tubular | 1 (4%) | | | | |

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|--|----|----------|----------------|------------------|------------------|
| Tumor Summary for FEMALE | | | | | |
| Total Animals with Primary Neoplasms (b) | | 1 | | | |
| Total Primary Neoplasms | | 1 | | | |
| Total Animals with Benign Neoplasms | | 1 | | | |
| Total Benign Neoplasms | | 1 | | | |
| Total Animals with Malignant Neoplasms | | | | | |
| Total Malignant Neoplasms | | | | | |
| Total Animals with Metastatic Neoplasms | | | | | |
| Total Metastatic Neoplasms | | | | | |
| Total Animals with Malignant Neoplasms Uncertain Primary Site | | | | | |
| Total Animals with Neoplasms Uncertain - Benign or Malignant | | | | | |
| Total Uncertain Neoplasms | | | | | |

**** END OF REPORT ****

a - Number of animals examined microscopically at site and number of animals with lesion

b - Primary tumors: all tumors except metastatic tumors

* Number of animals with any tissue examined microscopically