

**Experiment Number:** 99930-99  
**Test Type:** SPECIAL STUDY  
**Route:** DOSED FEED  
**Species/Strain:** Rat/CD

**P05: INCIDENCE RATES OF NEOPLASMS BY ANATOMIC SITE (SYSTEMIC LESIONS  
ABRIDGED) (a)**

**Test Compound:** Endocrine disruptor (Genistein)  
**CAS Number:** 446-72-0

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 14:12:50  
**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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**P05: INCIDENCE RATES OF NEOPLASMS BY ANATOMIC SITE (SYSTEMIC LESIONS ABRIDGED) (a)**

Test Compound: Endocrine disruptor (Genistein)  
 CAS Number: 446-72-0

Date Report Requested: 10/22/2014  
 Time Report Requested: 14:12:50  
 First Dose M/F: NA / NA  
 Lab: NCTR

CD Rat MALE	F0	0 PPM	F0	5 PPM	F0	100 PPM	F0	500 PPM
<b>Disposition Summary</b>								
Animals Initially In Study		25		25		25		25
Early Deaths								
Natural Death		1						
Survivors								
Terminal Sacrifice		24		25		25		25
Animals Examined Microscopically		25		25		25		25
<b>ALIMENTARY SYSTEM</b>								
Liver		(24)		(6)		(0)		(25)
Mesentery		(0)		(0)		(0)		(1)
Salivary Glands		(1)		(0)		(0)		(0)
<b>CARDIOVASCULAR SYSTEM</b>								
Blood Vessel		(1)		(0)		(0)		(0)
Heart		(1)		(0)		(0)		(0)
<b>ENDOCRINE SYSTEM</b>								
Adrenal Cortex		(23)		(0)		(0)		(25)
Adrenal Medulla		(22)		(0)		(0)		(25)
Parathyroid Gland		(1)		(0)		(1)		(0)
Pituitary Gland		(24)		(0)		(0)		(25)
Thyroid Gland		(24)		(0)		(0)		(25)
<b>GENERAL BODY SYSTEM</b>								
None								
<b>GENITAL SYSTEM</b>								
Coagulating Gland		(23)		(24)		(22)		(25)
Epididymis		(24)		(25)		(25)		(25)
Preputial Gland		(0)		(0)		(0)		(1)

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

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\* Number of animals with any tissue examined microscopically

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CD Rat MALE	F0	0 PPM	F0	5 PPM	F0	100 PPM	F0	500 PPM
Prostate		(2)		(5)		(4)		(4)
Prostate, Dorsal Lobe		(23)		(25)		(25)		(25)
Prostate, Ventral Lobe		(23)		(25)		(25)		(25)
Rete Testes		(24)		(25)		(24)		(25)
Seminal Vesicle		(24)		(23)		(25)		(24)
Testes		(25)		(25)		(25)		(25)
HEMATOPOIETIC SYSTEM								
Bone Marrow		(24)		(0)		(0)		(25)
Spleen		(24)		(0)		(0)		(25)
Thymus		(24)		(0)		(0)		(23)
INTEGUMENTARY SYSTEM								
Mammary Gland		(23)		(24)		(23)		(24)
Skin		(25)		(0)		(0)		(25)
MUSCULOSKELETAL SYSTEM								
Bone, Femur		(25)		(0)		(0)		(25)
NERVOUS SYSTEM								
None								
RESPIRATORY SYSTEM								
None								
SPECIAL SENSES SYSTEM								
None								
URINARY SYSTEM								
Kidney		(24)		(0)		(1)		(25)
SYSTEMIC LESIONS								
Multiple Organ		*(25)		*(25)		*(25)		*(25)

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**Lab:** NCTR

CD Rat MALE	F0	0 PPM	F0	5 PPM	F0	100 PPM	F0	500 PPM
Lymphoma Malignant								1 (4%)

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CD Rat MALE	F0	0 PPM	F0	5 PPM	F0	100 PPM	F0	500 PPM
<b>Tumor Summary for MALE</b>								
Total Animals with Primary Neoplasms (b)								1
Total Primary Neoplasms								1
Total Animals with Benign Neoplasms								
Total Benign Neoplasms								
Total Animals with Malignant Neoplasms								1
Total Malignant Neoplasms								1
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								

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\*\*\*END OF MALE DATA\*\*\*

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 Lab: NCTR

CD Rat FEMALE	F0	0 PPM	F0	5 PPM	F0	100 PPM	F0	500 PPM
<b>Disposition Summary</b>								
Animals Initially In Study		26		25		26		25
Early Deaths								
Moribund		1				1		
Survivors								
Terminal Sacrifice		25		25		25		25
Animals Examined Microscopically		26		25		26		25
<b>ALIMENTARY SYSTEM</b>								
Esophagus		(1)		(0)		(1)		(0)
Intestine Large, Cecum		(1)		(0)		(1)		(0)
Intestine Large, Colon		(1)		(0)		(1)		(0)
Intestine Small, Duodenum		(1)		(0)		(1)		(0)
Intestine Small, Ileum		(1)		(0)		(1)		(0)
Intestine Small, Jejunum		(1)		(0)		(1)		(0)
Liver		(26)		(1)		(1)		(25)
Pancreas		(1)		(0)		(1)		(0)
Salivary Glands		(1)		(0)		(1)		(0)
Stomach, Forestomach		(1)		(0)		(1)		(0)
Stomach, Glandular		(1)		(0)		(1)		(0)
<b>CARDIOVASCULAR SYSTEM</b>								
Heart		(1)		(0)		(1)		(0)
<b>ENDOCRINE SYSTEM</b>								
Adrenal Cortex		(26)		(0)		(1)		(25)
Adrenal Medulla		(26)		(0)		(1)		(25)
Pituitary Gland		(26)		(0)		(1)		(25)
Thyroid Gland		(25)		(0)		(1)		(25)

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Lab: NCTR

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GENERAL BODY SYSTEM								
None								
GENITAL SYSTEM								
Clitoral Gland	(0)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
Ovary	(26)	(25)	(25)	(25)	(26)	(26)	(25)	(25)
Oviduct	(26)	(25)	(25)	(25)	(26)	(26)	(25)	(25)
Uterus	(26)	(25)	(25)	(25)	(26)	(26)	(25)	(25)
Vagina	(26)	(25)	(25)	(25)	(26)	(26)	(25)	(25)
HEMATOPOIETIC SYSTEM								
Bone Marrow	(26)	(0)	(0)	(0)	(1)	(1)	(25)	(25)
Lymph Node, Mandibular	(1)	(0)	(0)	(0)	(1)	(1)	(0)	(0)
Lymph Node, Mesenteric	(1)	(0)	(0)	(0)	(1)	(1)	(0)	(0)
Spleen	(25)	(0)	(0)	(0)	(1)	(1)	(24)	(24)
Thymus	(26)	(0)	(0)	(0)	(1)	(1)	(25)	(25)
INTEGUMENTARY SYSTEM								
Mammary Gland	(25)	(25)	(25)	(25)	(26)	(26)	(25)	(25)
Skin	(26)	(0)	(0)	(0)	(2)	(2)	(25)	(25)
MUSCULOSKELETAL SYSTEM								
Bone	(1)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
Bone, Femur	(26)	(0)	(0)	(0)	(1)	(1)	(25)	(25)
NERVOUS SYSTEM								
Brain, Brain Stem	(1)	(0)	(0)	(0)	(1)	(1)	(0)	(0)
Brain, Cerebellum	(1)	(0)	(0)	(0)	(1)	(1)	(0)	(0)
Brain, Cerebrum	(1)	(0)	(0)	(0)	(1)	(1)	(0)	(0)
RESPIRATORY SYSTEM								

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Lung		(1)		(0)		(1)		(0)
Nose		(1)		(0)		(1)		(0)
Trachea		(0)		(0)		(1)		(0)
SPECIAL SENSES SYSTEM								
Eye		(1)		(0)		(0)		(0)
URINARY SYSTEM								
Kidney		(26)		(25)		(26)		(25)
Urinary Bladder		(0)		(0)		(1)		(0)

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**CD Rat FEMALE**

**F0 0 PPM**

**F0 5 PPM**

**F0 100 PPM**

**F0 500 PPM**

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**Tumor Summary for FEMALE**

**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**

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**\*\* END OF REPORT \*\***

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