

**Experiment Number:** 99930-98  
**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:** 10/18/2014  
**Time Report Requested:** 23:42:02  
**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

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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: 10/18/2014  
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 First Dose M/F: NA / NA  
 Lab: NCTR

CD Rat MALE	F1 0 PPM	F1 5 PPM	F1 100 PPM	F1 500 PPM
<b>Disposition Summary</b>				
Animals Initially In Study	26	25	25	25
Early Deaths				
Survivors				
Terminal Sacrifice	26	25	25	25
Animals Examined Microscopically	26	25	25	25
<b>ALIMENTARY SYSTEM</b>				
Liver	(26)	(0)	(0)	(25)
<b>CARDIOVASCULAR SYSTEM</b>				
None				
<b>ENDOCRINE SYSTEM</b>				
Adrenal Cortex	(26)	(0)	(0)	(24)
Adrenal Medulla	(26)	(0)	(0)	(24)
Pituitary Gland	(26)	(0)	(0)	(25)
Thyroid Gland	(26)	(0)	(0)	(25)
<b>GENERAL BODY SYSTEM</b>				
None				
<b>GENITAL SYSTEM</b>				
Coagulating Gland	(26)	(25)	(25)	(25)
Epididymis	(26)	(25)	(25)	(25)
Preputial Gland	(0)	(0)	(0)	(1)
Prostate	(3)	(8)	(5)	(3)
Prostate, Dorsal Lobe	(26)	(25)	(25)	(24)
Prostate, Ventral Lobe	(26)	(25)	(25)	(24)
Rete Testes	(26)	(25)	(23)	(25)
Seminal Vesicle	(26)	(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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<b>CD Rat MALE</b>	<b>F1</b>	<b>0 PPM</b>	<b>F1</b>	<b>5 PPM</b>	<b>F1</b>	<b>100 PPM</b>	<b>F1</b>	<b>500 PPM</b>
Testes	(26)		(25)		(25)		(25)	
<b>HEMATOPOIETIC SYSTEM</b>								
Bone Marrow	(26)		(0)		(0)		(25)	
Spleen	(26)		(0)		(0)		(25)	
Thymus	(26)		(0)		(0)		(25)	
<b>INTEGUMENTARY SYSTEM</b>								
Mammary Gland	(26)		(24)		(25)		(25)	
Skin	(26)		(0)		(0)		(25)	
<b>MUSCULOSKELETAL SYSTEM</b>								
Bone, Femur	(26)		(0)		(0)		(25)	
<b>NERVOUS SYSTEM</b>								
None								
<b>RESPIRATORY SYSTEM</b>								
None								
<b>SPECIAL SENSES SYSTEM</b>								
None								
<b>URINARY SYSTEM</b>								
Kidney	(26)		(25)		(25)		(25)	

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**CD Rat MALE**

**F1 0 PPM**

**F1 5 PPM**

**F1 100 PPM**

**F1 500 PPM**

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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**

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

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CD Rat FEMALE	F1 0 PPM	F1 5 PPM	F1 100 PPM	F1 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	(25)	(1)	(0)	(25)
Salivary Glands	(1)	(0)	(0)	(0)
Stomach, Forestomach	(1)	(0)	(0)	(0)
<b>CARDIOVASCULAR SYSTEM</b>				
Heart	(1)	(0)	(0)	(0)
<b>ENDOCRINE SYSTEM</b>				
Adrenal Cortex	(25)	(0)	(0)	(25)
Adrenal Medulla	(25)	(0)	(0)	(25)
Pituitary Gland	(25)	(0)	(0)	(25)
Thyroid Gland	(25)	(0)	(0)	(25)
<b>GENERAL BODY SYSTEM</b>				
None				
<b>GENITAL SYSTEM</b>				
Ovary	(25)	(25)	(25)	(25)
Oviduct	(25)	(25)	(25)	(25)
Uterus	(25)	(25)	(25)	(25)
Vagina	(25)	(25)	(25)	(25)

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

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HEMATOPOIETIC SYSTEM								
Bone Marrow	(25)		(0)		(0)		(25)	
Lymph Node, Mandibular	(1)		(0)		(0)		(0)	
Lymph Node, Mesenteric	(1)		(0)		(0)		(0)	
Spleen	(25)		(0)		(0)		(25)	
Thymus	(25)		(0)		(0)		(25)	
INTEGUMENTARY SYSTEM								
Mammary Gland	(24)		(23)		(25)		(25)	
Skin	(25)		(0)		(1)		(25)	
MUSCULOSKELETAL SYSTEM								
Bone, Femur	(25)		(0)		(0)		(25)	
NERVOUS SYSTEM								
Brain, Brain Stem	(1)		(0)		(0)		(0)	
Brain, Cerebellum	(1)		(0)		(0)		(0)	
Brain, Cerebrum	(1)		(0)		(0)		(0)	
RESPIRATORY SYSTEM								
Lung	(1)		(0)		(0)		(0)	
Nose	(1)		(0)		(0)		(0)	
SPECIAL SENSES SYSTEM								
None								
URINARY SYSTEM								
Kidney	(25)		(25)		(24)		(25)	
Nephroblastoma			1 (4%)					

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CD Rat FEMALE	F1	0 PPM	F1	5 PPM	F1	100 PPM	F1	500 PPM
<b>Tumor Summary for FEMALE</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 REPORT \*\***

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b - Primary tumors: all tumors except metastatic tumors

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