

Experiment Number: 99930-99
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: 10/22/2014
Time Report Requested: 14:12:33
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	F0	0 PPM	F0	5 PPM	F0	100 PPM	F0	500 PPM
Disposition Summary								
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
ALIMENTARY SYSTEM								
Liver		(24)		(6)		(0)		(25)
Lymphoma Malignant								1 (4%)
Mesentery		(0)		(0)		(0)		(1)
Salivary Glands		(1)		(0)		(0)		(0)
CARDIOVASCULAR SYSTEM								
Blood Vessel		(1)		(0)		(0)		(0)
Heart		(1)		(0)		(0)		(0)
ENDOCRINE SYSTEM								
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)
GENERAL BODY SYSTEM								
None								
GENITAL SYSTEM								
Coagulating Gland		(23)		(24)		(22)		(25)
Epididymis		(24)		(25)		(25)		(25)

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* Number of animals with any tissue examined microscopically

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Preputial Gland	(0)		(0)		(0)		(1)	
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)	
Lymphoma Malignant							1 (4%)	
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)	

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SYSTEMIC LESIONS								
Multiple Organ		*(25)		*(25)		*(25)		*(25)
Lymphoma Malignant								1 (4%)

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CD Rat MALE	F0	0 PPM	F0	5 PPM	F0	100 PPM	F0	500 PPM
Tumor Summary for MALE								
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								

END OF MALE DATA

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CD Rat FEMALE	F0	0 PPM	F0	5 PPM	F0	100 PPM	F0	500 PPM
Disposition Summary								
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
ALIMENTARY SYSTEM								
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)
CARDIOVASCULAR SYSTEM								
Heart		(1)		(0)		(1)		(0)
ENDOCRINE SYSTEM								
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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GENERAL BODY SYSTEM								
None								
GENITAL SYSTEM								
Clitoral Gland	(0)	(26)	(1)	(25)	(1)	(26)	(1)	(25)
Ovary	(26)	(26)	(25)	(25)	(26)	(26)	(25)	(25)
Oviduct	(26)	(26)	(25)	(25)	(26)	(26)	(25)	(25)
Uterus	(26)	(26)	(25)	(25)	(26)	(26)	(25)	(25)
Vagina	(26)	(26)	(25)	(25)	(26)	(26)	(25)	(25)
HEMATOPOIETIC SYSTEM								
Bone Marrow	(26)	(26)	(0)	(25)	(1)	(26)	(1)	(25)
Lymph Node, Mandibular	(1)	(26)	(0)	(25)	(1)	(26)	(0)	(25)
Lymph Node, Mesenteric	(1)	(26)	(0)	(25)	(1)	(26)	(0)	(25)
Spleen	(25)	(26)	(0)	(25)	(1)	(26)	(1)	(24)
Thymus	(26)	(26)	(0)	(25)	(1)	(26)	(1)	(25)
INTEGUMENTARY SYSTEM								
Mammary Gland	(25)	(26)	(25)	(25)	(26)	(26)	(25)	(25)
Skin	(26)	(26)	(0)	(25)	(2)	(26)	(2)	(25)
MUSCULOSKELETAL SYSTEM								
Bone	(1)	(26)	(0)	(25)	(0)	(26)	(0)	(25)
Bone, Femur	(26)	(26)	(0)	(25)	(1)	(26)	(1)	(25)
NERVOUS SYSTEM								
Brain, Brain Stem	(1)	(26)	(0)	(25)	(1)	(26)	(1)	(0)
Brain, Cerebellum	(1)	(26)	(0)	(25)	(1)	(26)	(1)	(0)
Brain, Cerebrum	(1)	(26)	(0)	(25)	(1)	(26)	(1)	(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

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

**** END OF REPORT ****

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* Number of animals with any tissue examined microscopically