

**Experiment Number:** 99920-99  
**Test Type:** SPECIAL STUDY  
**Route:** DOSED FEED  
**Species/Strain:** Rat/CD

**P02: INCIDENCE RATES OF NEOPLASMS BY ANATOMIC SITE (a)**  
**Test Compound:** ENDOCRINE DISRUPTOR(Ethinyl Estradiol)  
**CAS Number:** 57-63-6

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 10:31:55  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

<b>C Number:</b>	MG96006
<b>Lock Date:</b>	Not Entered.
<b>Cage Range:</b>	All
<b>Date Range:</b>	All
<b>Reasons For Removal:</b>	All
<b>Removal Date Range:</b>	All
<b>Treatment Groups:</b>	All
<b>Study Gender:</b>	Both
<b>PWG Approval Date</b>	NONE

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First Dose M/F: NA / NA

Lab: NCTR

CD Rat MALE	F0	CONTROL	F0	2.0 PPB	F0	10 PPB	F0	50 PPB
<b>Disposition Summary</b>								
Animals Initially In Study		25		25		25		26
Early Deaths								
Natural Death		1						1
Survivors								
Terminal Sacrifice		24		25		25		25
Animals Examined Microscopically		25		25		25		26
<b>ALIMENTARY SYSTEM</b>								
Esophagus		(1)		(0)		(0)		(1)
Liver		(24)		(1)		(2)		(25)
Pancreas		(1)		(0)		(0)		(0)
<b>CARDIOVASCULAR SYSTEM</b>								
Blood Vessel		(1)		(0)		(0)		(1)
Heart		(1)		(0)		(0)		(1)
<b>ENDOCRINE SYSTEM</b>								
Adrenal Cortex		(24)		(0)		(0)		(26)
Adrenal Medulla		(23)		(0)		(0)		(26)
Pituitary Gland		(24)		(0)		(0)		(25)
Thyroid Gland		(24)		(0)		(0)		(25)
<b>GENERAL BODY SYSTEM</b>								
None								
<b>GENITAL SYSTEM</b>								
Coagulating Gland		(24)		(25)		(25)		(24)
Epididymis		(25)		(25)		(25)		(26)
Preputial Gland		(0)		(2)		(3)		(2)
Prostate, Dorsal/Lateral Lobe		(5)		(5)		(8)		(9)

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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Prostate, Dorsal/lateral Lobe	(19)		(20)		(17)		(17)	
Prostate, Ventral Lobe	(24)		(25)		(25)		(26)	
Rete Testes	(25)		(23)		(24)		(25)	
Seminal Vesicle	(24)		(25)		(25)		(25)	
Testes	(25)		(25)		(25)		(26)	
HEMATOPOIETIC SYSTEM								
Bone Marrow	(24)		(0)		(0)		(25)	
Spleen	(24)		(0)		(0)		(25)	
Thymus	(24)		(0)		(0)		(25)	
INTEGUMENTARY SYSTEM								
Mammary Gland	(24)		(24)		(25)		(25)	
Skin	(1)		(1)		(0)		(1)	
MUSCULOSKELETAL SYSTEM								
Bone	(25)		(0)		(0)		(26)	
NERVOUS SYSTEM								
Brain	(1)		(0)		(0)		(1)	
Spinal Cord	(1)		(0)		(0)		(0)	
RESPIRATORY SYSTEM								
Lung	(1)		(0)		(0)		(1)	
Trachea	(0)		(0)		(0)		(1)	
SPECIAL SENSES SYSTEM								
Eye	(1)		(0)		(0)		(0)	
URINARY SYSTEM								
Kidney	(24)		(4)		(0)		(25)	
Urinary Bladder	(1)		(0)		(0)		(1)	

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\* Number of animals with any tissue examined microscopically

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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\*\*\*

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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 Lab: NCTR

CD Rat FEMALE	F0	CONTROL	F0	2.0 PPB	F0	10 PPB	F0	50 PPB
<b>Disposition Summary</b>								
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)		(2)		(25)
CARDIOVASCULAR SYSTEM								
None								
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								
Clitoral Gland		(2)		(1)		(2)		(0)
Ovary		(25)		(25)		(25)		(25)
Oviduct		(24)		(25)		(25)		(25)
Uterus		(25)		(25)		(25)		(25)
Vagina		(25)		(25)		(25)		(25)
HEMATOPOIETIC SYSTEM								
Bone Marrow		(25)		(0)		(0)		(25)

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Spleen	(25)		(0)		(0)		(25)	
Thymus	(25)		(0)		(0)		(25)	
INTEGUMENTARY SYSTEM								
Mammary Gland	(25)		(25)		(25)		(25)	
Skin	(2)		(3)		(1)		(0)	
MUSCULOSKELETAL SYSTEM								
Bone	(25)		(0)		(0)		(25)	
NERVOUS SYSTEM								
None								
RESPIRATORY SYSTEM								
None								
SPECIAL SENSES SYSTEM								
None								
URINARY SYSTEM								
Kidney	(25)		(25)		(25)		(25)	

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**CD Rat FEMALE**

**F0**

**CONTROL**

**F0**

**2.0 PPB**

**F0**

**10 PPB**

**F0**

**50 PPB**

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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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\* Number of animals with any tissue examined microscopically