

**Experiment Number:** 99920-91  
**Test Type:** MULTIGEN CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/CD

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

**Test Compound:** ENDOCRINE DISRUPTOR(Ethinyl Estradiol)  
**CAS Number:** 57-63-6

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 11:15:21  
**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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 Test Type: MULTIGEN CHRONIC  
 Route: DOSED FEED  
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**P05: INCIDENCE RATES OF NEOPLASMS BY ANATOMIC SITE (SYSTEMIC LESIONS ABRIDGED) (a)**

Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)  
 CAS Number: 57-63-6

Date Report Requested: 10/23/2014  
 Time Report Requested: 11:15:21  
 First Dose M/F: NA / NA  
 Lab: NCTR

CD Rat MALE	F0 CONTROL	F0 2.0 PPB	F0 10 PPB	F0 50 PPB	F1 CONTROL	F1 2.0 PPB
<b>Disposition Summary</b>						
Animals Initially In Study	25	25	25	26	25	25
Early Deaths						
Natural Death	1			1		
Survivors						
Moribund Sacrifice						
Terminal Sacrifice	24	25	25	25	25	25
Animals Examined Microscopically	25	25	25	26	25	25
<b>ALIMENTARY SYSTEM</b>						
Esophagus	(1)	(0)	(0)	(1)	(0)	(0)
Intestine Small, Ileum	(0)	(0)	(0)	(0)	(0)	(0)
Liver	(24)	(1)	(2)	(25)	(25)	(1)
Mesentery	(0)	(0)	(0)	(0)	(1)	(0)
Oral Mucosa	(0)	(0)	(0)	(0)	(0)	(0)
Pancreas	(1)	(0)	(0)	(0)	(0)	(0)
<b>CARDIOVASCULAR SYSTEM</b>						
Blood Vessel	(1)	(0)	(0)	(1)	(0)	(0)
Heart	(1)	(0)	(0)	(1)	(0)	(0)
<b>ENDOCRINE SYSTEM</b>						
Adrenal Cortex	(24)	(0)	(0)	(26)	(25)	(0)
Adrenal Medulla	(23)	(0)	(0)	(26)	(25)	(0)
Pituitary Gland	(24)	(0)	(0)	(25)	(24)	(0)
Thyroid Gland	(24)	(0)	(0)	(25)	(25)	(0)
<b>GENERAL BODY SYSTEM</b>						
None						
<b>GENITAL SYSTEM</b>						

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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**Lab:** NCTR

CD Rat MALE	F0 CONTROL	F0 2.0 PPB	F0 10 PPB	F0 50 PPB	F1 CONTROL	F1 2.0 PPB
Coagulating Gland	(24)	(25)	(25)	(24)	(25)	(24)
Epididymis	(25)	(25)	(25)	(26)	(25)	(25)
Preputial Gland	(0)	(2)	(3)	(2)	(3)	(2)
Prostate, Dorsal/Lateral Lobe	(5)	(5)	(8)	(9)	(9)	(3)
Prostate, Dorsal/lateral Lobe	(19)	(20)	(17)	(17)	(16)	(22)
Prostate, Ventral Lobe	(24)	(25)	(25)	(26)	(25)	(25)
Rete Testes	(25)	(23)	(24)	(25)	(25)	(23)
Seminal Vesicle	(24)	(25)	(25)	(25)	(25)	(25)
Testes	(25)	(25)	(25)	(26)	(25)	(25)
<b>HEMATOPOIETIC SYSTEM</b>						
Bone Marrow	(24)	(0)	(0)	(25)	(25)	(0)
Spleen	(24)	(0)	(0)	(25)	(25)	(0)
Thymus	(24)	(0)	(0)	(25)	(25)	(0)
<b>INTEGUMENTARY SYSTEM</b>						
Mammary Gland	(24)	(24)	(25)	(25)	(25)	(24)
Skin	(1)	(1)	(0)	(1)	(0)	(0)
<b>MUSCULOSKELETAL SYSTEM</b>						
Bone	(25)	(0)	(0)	(26)	(25)	(0)
<b>NERVOUS SYSTEM</b>						
Brain	(1)	(0)	(0)	(1)	(0)	(0)
Spinal Cord	(1)	(0)	(0)	(0)	(0)	(0)
<b>RESPIRATORY SYSTEM</b>						
Lung	(1)	(0)	(0)	(1)	(0)	(0)
Trachea	(0)	(0)	(0)	(1)	(0)	(0)
<b>SPECIAL SENSES SYSTEM</b>						
Eye	(1)	(0)	(0)	(0)	(0)	(0)

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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**Test Compound:** ENDOCRINE DISRUPTOR(Ethinyl Estradiol)  
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**First Dose M/F:** NA / NA  
**Lab:** NCTR

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CD Rat MALE	F0 CONTROL	F0 2.0 PPB	F0 10 PPB	F0 50 PPB	F1 CONTROL	F1 2.0 PPB
<hr/>						
URINARY SYSTEM						
Kidney	(24)	(4)	(0)	(25)	(25)	(2)
Urinary Bladder	(1)	(0)	(0)	(1)	(0)	(0)

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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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 First Dose M/F: NA / NA  
 Lab: NCTR

CD Rat MALE	F1 10 PPB	F1 50 PPB	F2 CONTROL	F2 2.0 PPB	F2 10 PPB	F2 50 PPB
<b>Disposition Summary</b>						
Animals Initially In Study	25	26	25	25	25	25
Early Deaths						
Natural Death						
Survivors						
Moribund Sacrifice		1				
Terminal Sacrifice	25	25	25	25	25	25
Animals Examined Microscopically	25	26	25	25	25	25
<b>ALIMENTARY SYSTEM</b>						
Esophagus	(0)	(1)	(0)	(0)	(0)	(0)
Intestine Small, Ileum	(0)	(0)	(0)	(1)	(0)	(0)
Liver	(1)	(26)	(25)	(1)	(1)	(25)
Mesentery	(1)	(0)	(0)	(0)	(0)	(0)
Oral Mucosa	(0)	(1)	(0)	(0)	(0)	(0)
Pancreas	(0)	(1)	(0)	(0)	(0)	(0)
<b>CARDIOVASCULAR SYSTEM</b>						
Blood Vessel	(0)	(1)	(0)	(0)	(0)	(0)
Heart	(0)	(1)	(0)	(0)	(0)	(0)
<b>ENDOCRINE SYSTEM</b>						
Adrenal Cortex	(0)	(26)	(25)	(0)	(0)	(25)
Adrenal Medulla	(0)	(26)	(24)	(0)	(0)	(25)
Pituitary Gland	(0)	(26)	(23)	(0)	(0)	(25)
Thyroid Gland	(0)	(26)	(24)	(0)	(0)	(25)
<b>GENERAL BODY SYSTEM</b>						
None						
<b>GENITAL SYSTEM</b>						

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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 Lab: NCTR

CD Rat MALE	F1 10 PPB	F1 50 PPB	F2 CONTROL	F2 2.0 PPB	F2 10 PPB	F2 50 PPB
Coagulating Gland	(25)	(26)	(25)	(23)	(25)	(25)
Epididymis	(25)	(26)	(25)	(25)	(25)	(25)
Preputial Gland	(3)	(1)	(0)	(2)	(0)	(0)
Prostate, Dorsal/Lateral Lobe	(10)	(4)	(12)	(11)	(17)	(13)
Prostate, Dorsal/lateral Lobe	(15)	(22)	(13)	(14)	(8)	(12)
Prostate, Ventral Lobe	(25)	(26)	(25)	(25)	(25)	(25)
Rete Testes	(24)	(25)	(24)	(24)	(23)	(25)
Seminal Vesicle	(25)	(26)	(25)	(25)	(25)	(25)
Testes	(25)	(26)	(25)	(25)	(25)	(25)
<b>HEMATOPOIETIC SYSTEM</b>						
Bone Marrow	(0)	(26)	(25)	(0)	(0)	(25)
Spleen	(0)	(26)	(25)	(0)	(0)	(25)
Thymus	(0)	(26)	(25)	(1)	(0)	(25)
<b>INTEGUMENTARY SYSTEM</b>						
Mammary Gland	(25)	(26)	(25)	(25)	(25)	(25)
Skin	(0)	(1)	(0)	(0)	(0)	(0)
<b>MUSCULOSKELETAL SYSTEM</b>						
Bone	(0)	(26)	(25)	(0)	(0)	(25)
<b>NERVOUS SYSTEM</b>						
Brain	(0)	(1)	(0)	(0)	(0)	(0)
Spinal Cord	(0)	(1)	(0)	(0)	(0)	(0)
<b>RESPIRATORY SYSTEM</b>						
Lung	(0)	(1)	(0)	(0)	(0)	(0)
Trachea	(0)	(1)	(0)	(0)	(0)	(0)
<b>SPECIAL SENSES SYSTEM</b>						
Eye	(0)	(0)	(0)	(0)	(0)	(0)

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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**First Dose M/F:** NA / NA  
**Lab:** NCTR

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CD Rat MALE	F1 10 PPB	F1 50 PPB	F2 CONTROL	F2 2.0 PPB	F2 10 PPB	F2 50 PPB
<hr/>						
URINARY SYSTEM						
Kidney	(25)	(26)	(25)	(0)	(25)	(25)
Urinary Bladder	(0)	(1)	(0)	(0)	(0)	(0)

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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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 Lab: NCTR

CD Rat MALE	F3 CONTROL	F3/2PPB TO CTRL	F3/10PPB TO CTRL	F3/50PPB TO CTRL	F4 CONTROL	F4/2PPB TO CTRL
<b>Disposition Summary</b>						
Animals Initially In Study	25	25	25	25	25	25
Early Deaths						
Natural Death						
Survivors						
Moribund Sacrifice						
Terminal Sacrifice	25	25	25	25	25	25
Animals Examined Microscopically	25	25	25	25	25	25
<b>ALIMENTARY SYSTEM</b>						
Esophagus	(0)	(0)	(0)	(0)	(0)	(0)
Intestine Small, Ileum	(0)	(0)	(0)	(0)	(0)	(0)
Liver	(25)	(0)	(1)	(25)	(25)	(1)
Mesentery	(0)	(0)	(0)	(1)	(0)	(0)
Oral Mucosa	(0)	(0)	(0)	(0)	(0)	(0)
Pancreas	(0)	(0)	(0)	(0)	(0)	(0)
<b>CARDIOVASCULAR SYSTEM</b>						
Blood Vessel	(0)	(0)	(0)	(0)	(0)	(0)
Heart	(0)	(0)	(0)	(0)	(0)	(0)
<b>ENDOCRINE SYSTEM</b>						
Adrenal Cortex	(25)	(0)	(0)	(25)	(25)	(0)
Adrenal Medulla	(24)	(0)	(0)	(25)	(25)	(0)
Pituitary Gland	(25)	(0)	(0)	(25)	(25)	(0)
Thyroid Gland	(25)	(0)	(0)	(25)	(25)	(0)
<b>GENERAL BODY SYSTEM</b>						
None						
<b>GENITAL SYSTEM</b>						

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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CD Rat MALE	F3 CONTROL	F3/2PPB TO CTRL	F3/10PPB TO CTRL	F3/50PPB TO CTRL	F4 CONTROL	F4/2PPB TO CTRL
Coagulating Gland	(25)	(25)	(25)	(25)	(25)	(25)
Epididymis	(25)	(25)	(25)	(25)	(25)	(25)
Preputial Gland	(0)	(0)	(2)	(1)	(0)	(2)
Prostate, Dorsal/Lateral Lobe	(9)	(12)	(8)	(9)	(6)	(7)
Prostate, Dorsal/lateral Lobe	(16)	(13)	(17)	(16)	(19)	(18)
Prostate, Ventral Lobe	(25)	(25)	(25)	(25)	(25)	(25)
Rete Testes	(25)	(24)	(25)	(25)	(25)	(24)
Seminal Vesicle	(25)	(25)	(25)	(25)	(25)	(25)
Testes	(25)	(25)	(25)	(25)	(25)	(25)
<b>HEMATOPOIETIC SYSTEM</b>						
Bone Marrow	(25)	(0)	(0)	(25)	(25)	(0)
Spleen	(25)	(0)	(0)	(25)	(25)	(0)
Thymus	(24)	(0)	(0)	(25)	(25)	(0)
<b>INTEGUMENTARY SYSTEM</b>						
Mammary Gland	(25)	(25)	(24)	(24)	(25)	(25)
Skin	(0)	(0)	(0)	(0)	(0)	(0)
<b>MUSCULOSKELETAL SYSTEM</b>						
Bone	(25)	(0)	(0)	(25)	(25)	(0)
<b>NERVOUS SYSTEM</b>						
Brain	(0)	(0)	(0)	(0)	(0)	(0)
Spinal Cord	(0)	(0)	(0)	(0)	(0)	(0)
<b>RESPIRATORY SYSTEM</b>						
Lung	(0)	(0)	(0)	(0)	(0)	(0)
Trachea	(0)	(0)	(0)	(0)	(0)	(0)
<b>SPECIAL SENSES SYSTEM</b>						
Eye	(0)	(0)	(0)	(0)	(0)	(0)

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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**Lab:** NCTR

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CD Rat MALE	F3 CONTROL	F3/2PPB TO CTRL	F3/10PPB TO CTRL	F3/50PPB TO CTRL	F4 CONTROL	F4/2PPB TO CTRL
URINARY SYSTEM						
Kidney	(25)	(0)	(2)	(25)	(25)	(0)
Urinary Bladder	(0)	(0)	(0)	(0)	(0)	(0)

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

b - Primary tumors: all tumors except metastatic tumors

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 Lab: NCTR

CD Rat MALE	F4/10PPB TO CTRL	F4/50PPB TO CTRL
<b>Disposition Summary</b>		
Animals Initially In Study	26	25
Early Deaths		
Natural Death		
Survivors		
Moribund Sacrifice	1	
Terminal Sacrifice	25	25
Animals Examined Microscopically	26	25
<b>ALIMENTARY SYSTEM</b>		
Esophagus	(1)	(0)
Intestine Small, Ileum	(0)	(0)
Liver	(2)	(25)
Mesentery	(0)	(0)
Oral Mucosa	(0)	(0)
Pancreas	(1)	(0)
<b>CARDIOVASCULAR SYSTEM</b>		
Blood Vessel	(1)	(0)
Heart	(1)	(0)
<b>ENDOCRINE SYSTEM</b>		
Adrenal Cortex	(1)	(25)
Adrenal Medulla	(1)	(25)
Pituitary Gland	(2)	(25)
Thyroid Gland	(0)	(25)
<b>GENERAL BODY SYSTEM</b>		
None		
<b>GENITAL SYSTEM</b>		

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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**First Dose M/F:** NA / NA  
**Lab:** NCTR

CD Rat MALE	F4/10PPB TO CTRL	F4/50PPB TO CTRL
Coagulating Gland	(26)	(24)
Epididymis	(26)	(25)
Preputial Gland	(1)	(0)
Prostate, Dorsal/Lateral Lobe	(10)	(6)
Prostate, Dorsal/lateral Lobe	(16)	(19)
Prostate, Ventral Lobe	(26)	(25)
Rete Testes	(26)	(25)
Seminal Vesicle	(26)	(25)
Testes	(26)	(25)
HEMATOPOIETIC SYSTEM		
Bone Marrow	(1)	(25)
Spleen	(1)	(25)
Thymus	(1)	(25)
INTEGUMENTARY SYSTEM		
Mammary Gland	(25)	(25)
Skin	(1)	(0)
MUSCULOSKELETAL SYSTEM		
Bone	(1)	(25)
NERVOUS SYSTEM		
Brain	(1)	(0)
Spinal Cord	(1)	(0)
RESPIRATORY SYSTEM		
Lung	(1)	(0)
Trachea	(1)	(0)
SPECIAL SENSES SYSTEM		
Eye	(0)	(0)

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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**First Dose M/F:** NA / NA  
**Lab:** NCTR

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CD Rat MALE	F4/10PPB TO CTRL	F4/50PPB TO CTRL
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URINARY SYSTEM		
Kidney	(1)	(25)
Urinary Bladder	(1)	(0)

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

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**First Dose M/F:** NA / NA  
**Lab:** NCTR

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CD Rat MALE	F0 CONTROL	F0 2.0 PPB	F0 10 PPB	F0 50 PPB	F1 CONTROL	F1 2.0 PPB
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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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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

**Experiment Number:** 99920-91  
**Test Type:** MULTIGEN CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/CD

**P05: INCIDENCE RATES OF NEOPLASMS BY ANATOMIC SITE (SYSTEMIC LESIONS ABRIDGED) (a)**  
**Test Compound:** ENDOCRINE DISRUPTOR(Ethinyl Estradiol)  
**CAS Number:** 57-63-6

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 11:15:21  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

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CD Rat MALE	F1 10 PPB	F1 50 PPB	F2 CONTROL	F2 2.0 PPB	F2 10 PPB	F2 50 PPB
<b>Tumor Summary for MALE</b>						
<b>Total Animals with Primary Neoplasms (b)</b>						
<b>Total Primary Neoplasms</b>						
<b>Total Animals with Benign Neoplasms</b>						
<b>Total Benign Neoplasms</b>						
<b>Total Animals with Malignant Neoplasms</b>						
<b>Total Malignant Neoplasms</b>						
<b>Total Animals with Metastatic Neoplasms</b>						
<b>Total Metastatic Neoplasms</b>						
<b>Total Animals with Malignant Neoplasms Uncertain Primary Site</b>						
<b>Total Animals with Neoplasms Uncertain - Benign or Malignant</b>						
<b>Total Uncertain Neoplasms</b>						

---

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

**Experiment Number:** 99920-91  
**Test Type:** MULTIGEN CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/CD

**P05: INCIDENCE RATES OF NEOPLASMS BY ANATOMIC SITE (SYSTEMIC LESIONS ABRIDGED) (a)**  
**Test Compound:** ENDOCRINE DISRUPTOR(Ethinyl Estradiol)  
**CAS Number:** 57-63-6

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 11:15:21  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

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CD Rat MALE	F3 CONTROL	F3/2PPB TO CTRL	F3/10PPB TO CTRL	F3/50PPB TO CTRL	F4 CONTROL	F4/2PPB TO CTRL
<b>Tumor Summary for MALE</b>						
<b>Total Animals with Primary Neoplasms (b)</b>						
<b>Total Primary Neoplasms</b>						
<b>Total Animals with Benign Neoplasms</b>						
<b>Total Benign Neoplasms</b>						
<b>Total Animals with Malignant Neoplasms</b>						
<b>Total Malignant Neoplasms</b>						
<b>Total Animals with Metastatic Neoplasms</b>						
<b>Total Metastatic Neoplasms</b>						
<b>Total Animals with Malignant Neoplasms Uncertain Primary Site</b>						
<b>Total Animals with Neoplasms Uncertain - Benign or Malignant</b>						
<b>Total Uncertain Neoplasms</b>						

---

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



**Experiment Number:** 99920-91  
**Test Type:** MULTIGEN CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/CD

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

**Test Compound:** ENDOCRINE DISRUPTOR(Ethinyl Estradiol)  
**CAS Number:** 57-63-6

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 11:15:21  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

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**CD Rat MALE**

**F4/10PPB TO CTRL F4/50PPB TO CTRL**

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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

b - Primary tumors: all tumors except metastatic tumors

\* Number of animals with any tissue examined microscopically

Experiment Number: 99920-91  
 Test Type: MULTIGEN CHRONIC  
 Route: DOSED FEED  
 Species/Strain: Rat/CD

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

Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)  
 CAS Number: 57-63-6

Date Report Requested: 10/23/2014  
 Time Report Requested: 11:15:21  
 First Dose M/F: NA / NA  
 Lab: NCTR

CD Rat FEMALE	F0 CONTROL	F0 2.0 PPB	F0 10 PPB	F0 50 PPB	F1 Control	F1 2.0 PPB
<b>Disposition Summary</b>						
Animals Initially In Study	25	25	25	25	25	25
Early Deaths						
Survivors						
Natural Death						
Terminal Sacrifice	25	25	25	25	25	25
Animals Examined Microscopically	25	25	25	25	25	25
<b>ALIMENTARY SYSTEM</b>						
Esophagus	(0)	(0)	(0)	(0)	(0)	(0)
Intestine Small, Ileum	(0)	(0)	(0)	(0)	(0)	(0)
Intestine Small, Jejunum	(0)	(0)	(0)	(0)	(0)	(0)
Liver	(25)	(2)	(2)	(25)	(25)	(0)
Pancreas	(0)	(0)	(0)	(0)	(0)	(0)
<b>CARDIOVASCULAR SYSTEM</b>						
Blood Vessel	(0)	(0)	(0)	(0)	(0)	(0)
Heart	(0)	(0)	(0)	(0)	(0)	(0)
<b>ENDOCRINE SYSTEM</b>						
Adrenal Cortex	(25)	(0)	(0)	(25)	(25)	(0)
Adrenal Medulla	(25)	(0)	(0)	(25)	(25)	(0)
Pituitary Gland	(25)	(0)	(0)	(25)	(25)	(0)
Thyroid Gland	(25)	(0)	(0)	(25)	(25)	(1)
<b>GENERAL BODY SYSTEM</b>						
None						
<b>GENITAL SYSTEM</b>						
Clitoral Gland	(2)	(1)	(2)	(0)	(1)	(2)
Ovary	(25)	(25)	(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

Experiment Number: 99920-91  
 Test Type: MULTIGEN CHRONIC  
 Route: DOSED FEED  
 Species/Strain: Rat/CD

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

Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)

CAS Number: 57-63-6

Date Report Requested: 10/23/2014  
 Time Report Requested: 11:15:22  
 First Dose M/F: NA / NA  
 Lab: NCTR

CD Rat FEMALE	F0 CONTROL	F0 2.0 PPB	F0 10 PPB	F0 50 PPB	F1 Control	F1 2.0 PPB
Oviduct	(24)	(25)	(25)	(25)	(25)	(25)
Uterus	(25)	(25)	(25)	(25)	(25)	(25)
Vagina	(25)	(25)	(25)	(25)	(24)	(25)
<b>HEMATOPOIETIC SYSTEM</b>						
Bone Marrow	(25)	(0)	(0)	(25)	(25)	(0)
Lymph Node	(0)	(0)	(0)	(0)	(0)	(0)
Lymph Node, Mandibular	(0)	(0)	(0)	(0)	(0)	(0)
Spleen	(25)	(0)	(0)	(25)	(25)	(0)
Thymus	(25)	(0)	(0)	(25)	(25)	(0)
<b>INTEGUMENTARY SYSTEM</b>						
Mammary Gland	(25)	(25)	(25)	(25)	(25)	(25)
Adenoma						
Skin	(2)	(3)	(1)	(0)	(0)	(0)
<b>MUSCULOSKELETAL SYSTEM</b>						
Bone	(25)	(0)	(0)	(25)	(25)	(0)
<b>NERVOUS SYSTEM</b>						
Brain	(0)	(0)	(0)	(0)	(0)	(0)
<b>RESPIRATORY SYSTEM</b>						
Lung	(0)	(0)	(0)	(0)	(0)	(0)
Trachea	(0)	(0)	(0)	(0)	(0)	(0)
<b>SPECIAL SENSES SYSTEM</b>						
Eye	(0)	(0)	(0)	(0)	(0)	(0)
<b>URINARY SYSTEM</b>						
Kidney	(25)	(25)	(25)	(25)	(25)	(25)

**SYSTEMIC LESIONS**

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

**Experiment Number:** 99920-91  
**Test Type:** MULTIGEN CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/CD

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

**Test Compound:** ENDOCRINE DISRUPTOR(Ethinyl Estradiol)  
**CAS Number:** 57-63-6

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 11:15:22  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

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<b>CD Rat FEMALE</b>	<b>F0 CONTROL</b>	<b>F0 2.0 PPB</b>	<b>F0 10 PPB</b>	<b>F0 50 PPB</b>	<b>F1 Control</b>	<b>F1 2.0 PPB</b>
Multiple Organ Lymphoma Malignant	*(25)	*(25)	*(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

Experiment Number: 99920-91  
 Test Type: MULTIGEN CHRONIC  
 Route: DOSED FEED  
 Species/Strain: Rat/CD

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

Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)  
 CAS Number: 57-63-6

Date Report Requested: 10/23/2014  
 Time Report Requested: 11:15:22  
 First Dose M/F: NA / NA  
 Lab: NCTR

CD Rat FEMALE	F1 10 PPB	F1 50 PPB	F2 CONTROL	F2 2.0 PPB	F2 10 PPB	F2 50 PPB
<b>Disposition Summary</b>						
Animals Initially In Study	25	25	25	25	25	25
Early Deaths						
Survivors						
Natural Death						
Terminal Sacrifice	25	25	25	25	25	25
Animals Examined Microscopically	25	25	25	25	25	25
<b>ALIMENTARY SYSTEM</b>						
Esophagus	(0)	(0)	(0)	(0)	(0)	(0)
Intestine Small, Ileum	(0)	(0)	(1)	(0)	(0)	(0)
Intestine Small, Jejunum	(0)	(0)	(0)	(0)	(0)	(0)
Liver	(0)	(25)	(25)	(0)	(3)	(25)
Pancreas	(0)	(0)	(0)	(0)	(0)	(0)
<b>CARDIOVASCULAR SYSTEM</b>						
Blood Vessel	(0)	(0)	(0)	(0)	(0)	(0)
Heart	(0)	(0)	(0)	(0)	(0)	(0)
<b>ENDOCRINE SYSTEM</b>						
Adrenal Cortex	(0)	(25)	(25)	(0)	(0)	(25)
Adrenal Medulla	(0)	(25)	(25)	(0)	(0)	(25)
Pituitary Gland	(0)	(25)	(25)	(0)	(0)	(25)
Thyroid Gland	(0)	(25)	(25)	(0)	(0)	(25)
<b>GENERAL BODY SYSTEM</b>						
None						
<b>GENITAL SYSTEM</b>						
Clitoral Gland	(0)	(1)	(1)	(2)	(1)	(0)
Ovary	(25)	(25)	(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

Experiment Number: 99920-91  
 Test Type: MULTIGEN CHRONIC  
 Route: DOSED FEED  
 Species/Strain: Rat/CD

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

Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)

CAS Number: 57-63-6

Date Report Requested: 10/23/2014  
 Time Report Requested: 11:15:22  
 First Dose M/F: NA / NA  
 Lab: NCTR

CD Rat FEMALE	F1 10 PPB	F1 50 PPB	F2 CONTROL	F2 2.0 PPB	F2 10 PPB	F2 50 PPB
Oviduct	(25)	(25)	(25)	(25)	(25)	(25)
Uterus	(25)	(25)	(25)	(25)	(25)	(25)
Vagina	(25)	(25)	(25)	(25)	(25)	(23)
<b>HEMATOPOIETIC SYSTEM</b>						
Bone Marrow	(0)	(25)	(25)	(0)	(0)	(25)
Lymph Node	(0)	(0)	(0)	(0)	(0)	(0)
Lymph Node, Mandibular	(0)	(0)	(0)	(0)	(0)	(0)
Spleen	(0)	(25)	(25)	(0)	(0)	(25)
Thymus	(0)	(25)	(25)	(0)	(0)	(25)
<b>INTEGUMENTARY SYSTEM</b>						
Mammary Gland	(25)	(25)	(25)	(25)	(25)	(25)
Adenoma			1 (4%)			
Skin	(0)	(0)	(0)	(0)	(0)	(0)
<b>MUSCULOSKELETAL SYSTEM</b>						
Bone	(0)	(25)	(25)	(0)	(0)	(25)
<b>NERVOUS SYSTEM</b>						
Brain	(0)	(0)	(0)	(0)	(0)	(0)
<b>RESPIRATORY SYSTEM</b>						
Lung	(0)	(0)	(0)	(0)	(0)	(0)
Trachea	(0)	(0)	(0)	(0)	(0)	(0)
<b>SPECIAL SENSES SYSTEM</b>						
Eye	(1)	(1)	(0)	(0)	(0)	(0)
<b>URINARY SYSTEM</b>						
Kidney	(25)	(25)	(25)	(25)	(25)	(25)
<b>SYSTEMIC LESIONS</b>						

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

**Experiment Number:** 99920-91  
**Test Type:** MULTIGEN CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/CD

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

**Test Compound:** ENDOCRINE DISRUPTOR(Ethinyl Estradiol)  
**CAS Number:** 57-63-6

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 11:15:22  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

---

<b>CD Rat FEMALE</b>	<b>F1 10 PPB</b>	<b>F1 50 PPB</b>	<b>F2 CONTROL</b>	<b>F2 2.0 PPB</b>	<b>F2 10 PPB</b>	<b>F2 50 PPB</b>
Multiple Organ Lymphoma Malignant	*(25)	*(25)	*(25)	*(25)	*(25)	*(25)

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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

Experiment Number: 99920-91  
 Test Type: MULTIGEN CHRONIC  
 Route: DOSED FEED  
 Species/Strain: Rat/CD

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

Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)  
 CAS Number: 57-63-6

Date Report Requested: 10/23/2014  
 Time Report Requested: 11:15:22  
 First Dose M/F: NA / NA  
 Lab: NCTR

CD Rat FEMALE	F3 CONTROL	F3/2PPB TO CTRL	F3/10PPB TO CTRL	F3/50PPB TO CTRL	F4 CONTROL	F4/2PPB TO CTRL
<b>Disposition Summary</b>						
Animals Initially In Study	25	25	25	25	25	25
Early Deaths						
Survivors						
Natural Death						
Terminal Sacrifice	25	25	25	25	25	25
Animals Examined Microscopically	25	25	25	25	25	25
<b>ALIMENTARY SYSTEM</b>						
Esophagus	(0)	(0)	(0)	(0)	(0)	(0)
Intestine Small, Ileum	(0)	(0)	(0)	(0)	(0)	(0)
Intestine Small, Jejunum	(0)	(1)	(0)	(0)	(0)	(0)
Liver	(25)	(0)	(0)	(25)	(25)	(0)
Pancreas	(0)	(0)	(0)	(0)	(0)	(0)
<b>CARDIOVASCULAR SYSTEM</b>						
Blood Vessel	(0)	(0)	(0)	(0)	(0)	(0)
Heart	(0)	(0)	(0)	(0)	(0)	(0)
<b>ENDOCRINE SYSTEM</b>						
Adrenal Cortex	(25)	(0)	(0)	(25)	(25)	(0)
Adrenal Medulla	(25)	(0)	(0)	(25)	(25)	(0)
Pituitary Gland	(25)	(0)	(0)	(25)	(25)	(0)
Thyroid Gland	(25)	(0)	(0)	(25)	(25)	(0)
<b>GENERAL BODY SYSTEM</b>						
None						
<b>GENITAL SYSTEM</b>						
Clitoral Gland	(0)	(3)	(0)	(0)	(3)	(0)
Ovary	(25)	(25)	(24)	(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



Experiment Number: 99920-91  
 Test Type: MULTIGEN CHRONIC  
 Route: DOSED FEED  
 Species/Strain: Rat/CD

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

Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)

CAS Number: 57-63-6

Date Report Requested: 10/23/2014

Time Report Requested: 11:15:22

First Dose M/F: NA / NA

Lab: NCTR

CD Rat FEMALE	F3 CONTROL	F3/2PPB TO CTRL	F3/10PPB TO CTRL	F3/50PPB TO CTRL	F4 CONTROL	F4/2PPB TO CTRL
Oviduct	(25)	(25)	(24)	(25)	(25)	(25)
Uterus	(25)	(25)	(25)	(25)	(25)	(25)
Vagina	(25)	(25)	(25)	(25)	(25)	(25)
<b>HEMATOPOIETIC SYSTEM</b>						
Bone Marrow	(25)	(0)	(0)	(25)	(25)	(0)
Lymph Node	(0)	(0)	(0)	(0)	(0)	(0)
Lymph Node, Mandibular	(0)	(0)	(0)	(0)	(0)	(0)
Spleen	(25)	(0)	(0)	(25)	(25)	(0)
Thymus	(25)	(0)	(0)	(25)	(25)	(0)
<b>INTEGUMENTARY SYSTEM</b>						
Mammary Gland	(25)	(25)	(25)	(25)	(25)	(25)
Adenoma						
Skin	(0)	(0)	(0)	(1)	(0)	(0)
<b>MUSCULOSKELETAL SYSTEM</b>						
Bone	(25)	(0)	(0)	(25)	(25)	(0)
<b>NERVOUS SYSTEM</b>						
Brain	(0)	(0)	(0)	(0)	(0)	(0)
<b>RESPIRATORY SYSTEM</b>						
Lung	(0)	(0)	(0)	(0)	(0)	(0)
Trachea	(0)	(0)	(0)	(0)	(0)	(0)
<b>SPECIAL SENSES SYSTEM</b>						
Eye	(0)	(0)	(0)	(0)	(0)	(0)
<b>URINARY SYSTEM</b>						
Kidney	(25)	(25)	(25)	(25)	(25)	(25)

**SYSTEMIC LESIONS**

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

**Experiment Number:** 99920-91  
**Test Type:** MULTIGEN CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/CD

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

**Test Compound:** ENDOCRINE DISRUPTOR(Ethinyl Estradiol)  
**CAS Number:** 57-63-6

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 11:15:22  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

---

<b>CD Rat FEMALE</b>	<b>F3 CONTROL</b>	<b>F3/2PPB TO CTRL</b>	<b>F3/10PPB TO CTRL</b>	<b>F3/50PPB TO CTRL</b>	<b>F4 CONTROL</b>	<b>F4/2PPB TO CTRL</b>
Multiple Organ Lymphoma Malignant	*(25)	*(25)	*(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

Experiment Number: 99920-91  
 Test Type: MULTIGEN CHRONIC  
 Route: DOSED FEED  
 Species/Strain: Rat/CD

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

Test Compound: ENDOCRINE DISRUPTOR(Ethinyl Estradiol)  
 CAS Number: 57-63-6

Date Report Requested: 10/23/2014  
 Time Report Requested: 11:15:22  
 First Dose M/F: NA / NA  
 Lab: NCTR

CD Rat FEMALE	F4/10PPB TO CTR	F4/50PPB TO CTRL
<b>Disposition Summary</b>		
Animals Initially In Study	26	25
Early Deaths		
Survivors		
Natural Death	1	
Terminal Sacrifice	25	25
Animals Examined Microscopically	26	25
<b>ALIMENTARY SYSTEM</b>		
Esophagus	(1)	(0)
Intestine Small, Ileum	(0)	(0)
Intestine Small, Jejunum	(0)	(0)
Liver	(1)	(25)
Pancreas	(1)	(0)
<b>CARDIOVASCULAR SYSTEM</b>		
Blood Vessel	(1)	(0)
Heart	(1)	(0)
<b>ENDOCRINE SYSTEM</b>		
Adrenal Cortex	(2)	(25)
Adrenal Medulla	(2)	(25)
Pituitary Gland	(1)	(25)
Thyroid Gland	(1)	(25)
<b>GENERAL BODY SYSTEM</b>		
None		
<b>GENITAL SYSTEM</b>		
Clitoral Gland	(0)	(0)
Ovary	(26)	(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

**Experiment Number:** 99920-91  
**Test Type:** MULTIGEN CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/CD

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

**Test Compound:** ENDOCRINE DISRUPTOR(Ethinyl Estradiol)  
**CAS Number:** 57-63-6

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 11:15:22  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

CD Rat FEMALE	F4/10PPB TO CTR	F4/50PPB TO CTRL
Oviduct	(26)	(25)
Uterus	(26)	(25)
Vagina	(26)	(25)
HEMATOPOIETIC SYSTEM		
Bone Marrow	(1)	(25)
Lymph Node	(1)	(0)
Lymph Node, Mandibular	(1)	(0)
Spleen	(2)	(25)
Thymus	(1)	(25)
INTEGUMENTARY SYSTEM		
Mammary Gland	(26)	(25)
Adenoma		
Skin	(1)	(0)
MUSCULOSKELETAL SYSTEM		
Bone	(1)	(25)
NERVOUS SYSTEM		
Brain	(1)	(0)
RESPIRATORY SYSTEM		
Lung	(1)	(0)
Trachea	(1)	(0)
SPECIAL SENSES SYSTEM		
Eye	(0)	(0)
URINARY SYSTEM		
Kidney	(26)	(25)

SYSTEMIC LESIONS

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

**Experiment Number:** 99920-91  
**Test Type:** MULTIGEN CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/CD

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

**Test Compound:** ENDOCRINE DISRUPTOR(Ethinyl Estradiol)  
**CAS Number:** 57-63-6

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 11:15:22  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

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<b>CD Rat FEMALE</b>	<b>F4/10PPB TO CTR</b>	<b>F4/50PPB TO CTRL</b>
Multiple Organ	*(26)	*(25)
Lymphoma Malignant	1 (4%)	

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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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**Route:** DOSED FEED  
**Species/Strain:** Rat/CD

**P05: INCIDENCE RATES OF NEOPLASMS BY ANATOMIC SITE (SYSTEMIC LESIONS ABRIDGED) (a)**  
**Test Compound:** ENDOCRINE DISRUPTOR(Ethinyl Estradiol)  
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**Lab:** NCTR

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CD Rat FEMALE	F0 CONTROL	F0 2.0 PPB	F0 10 PPB	F0 50 PPB	F1 Control	F1 2.0 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**

---

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

**Experiment Number:** 99920-91  
**Test Type:** MULTIGEN CHRONIC  
**Route:** DOSED FEED  
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**P05: INCIDENCE RATES OF NEOPLASMS BY ANATOMIC SITE (SYSTEMIC LESIONS ABRIDGED) (a)**  
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**Lab:** NCTR

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CD Rat FEMALE	F1 10 PPB	F1 50 PPB	F2 CONTROL	F2 2.0 PPB	F2 10 PPB	F2 50 PPB
<b>Tumor Summary for FEMALE</b>						
<b>Total Animals with Primary Neoplasms (b)</b>			<b>1</b>			
<b>Total Primary Neoplasms</b>			<b>1</b>			
<b>Total Animals with Benign Neoplasms</b>			<b>1</b>			
<b>Total Benign Neoplasms</b>			<b>1</b>			
<b>Total Animals with Malignant Neoplasms</b>						
<b>Total Malignant Neoplasms</b>						
<b>Total Animals with Metastatic Neoplasms</b>						
<b>Total Metastatic Neoplasms</b>						
<b>Total Animals with Malignant Neoplasms Uncertain Primary Site</b>						
<b>Total Animals with Neoplasms Uncertain - Benign or Malignant</b>						
<b>Total Uncertain Neoplasms</b>						

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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

**Experiment Number:** 99920-91  
**Test Type:** MULTIGEN CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/CD

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

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**Lab:** NCTR

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**CD Rat FEMALE**

**F3 CONTROL**

**F3/2PPB TO CTRL**

**F3/10PPB TO CTRL**

**F3/50PPB TO CTRL**

**F4 CONTROL**

**F4/2PPB TO CTRL**

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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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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



**Experiment Number:** 99920-91  
**Test Type:** MULTIGEN CHRONIC  
**Route:** DOSED FEED  
**Species/Strain:** Rat/CD

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

**Test Compound:** ENDOCRINE DISRUPTOR(Ethinyl Estradiol)  
**CAS Number:** 57-63-6

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**First Dose M/F:** NA / NA  
**Lab:** NCTR

---

CD Rat FEMALE	F4/10PPB TO CTR	F4/50PPB TO CTRL
<b>Tumor Summary for FEMALE</b>		
<b>Total Animals with Primary Neoplasms (b)</b>	<b>1</b>	
<b>Total Primary Neoplasms</b>	<b>1</b>	
<b>Total Animals with Benign Neoplasms</b>		
<b>Total Benign Neoplasms</b>		
<b>Total Animals with Malignant Neoplasms</b>	<b>1</b>	
<b>Total Malignant Neoplasms</b>	<b>1</b>	
<b>Total Animals with Metastatic Neoplasms</b>		
<b>Total Metastatic Neoplasms</b>		
<b>Total Animals with Malignant Neoplasms Uncertain Primary Site</b>		
<b>Total Animals with Neoplasms Uncertain - Benign or Malignant</b>		
<b>Total Uncertain Neoplasms</b>		

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**\*\* 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