

**Experiment Number:** 99920-91  
**Test Type:** MULTIGEN CHRONIC  
**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:** 11:14:39  
**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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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>						
<b>Animals Initially In Study</b>	25	25	25	26	25	25
<b>Early Deaths</b>						
<b>Natural Death</b>	1			1		
<b>Survivors</b>						
<b>Moribund Sacrifice</b>						
<b>Terminal Sacrifice</b>	24	25	25	25	25	25
<b>Animals Examined Microscopically</b>	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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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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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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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

b - Primary tumors: all tumors except metastatic tumors

\* Number of animals with any tissue examined microscopically

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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>Disposition Summary</b>						
<b>Animals Initially In Study</b>	25	26	25	25	25	25
<b>Early Deaths</b>						
<b>Natural Death</b>						
<b>Survivors</b>						
<b>Moribund Sacrifice</b>		1				
<b>Terminal Sacrifice</b>	25	25	25	25	25	25
<b>Animals Examined Microscopically</b>	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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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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**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
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

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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>Disposition Summary</b>						
<b>Animals Initially In Study</b>	25	25	25	25	25	25
<b>Early Deaths</b>						
<b>Natural Death</b>						
<b>Survivors</b>						
<b>Moribund Sacrifice</b>						
<b>Terminal Sacrifice</b>	25	25	25	25	25	25
<b>Animals Examined Microscopically</b>	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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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

\* Number of animals with any tissue examined microscopically

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CD Rat MALE	F4/10PPB TO CTRL	F4/50PPB TO CTRL
<b>Disposition Summary</b>		
<b>Animals Initially In Study</b>	<b>26</b>	<b>25</b>
<b>Early Deaths</b>		
<b>Natural Death</b>		
<b>Survivors</b>		
<b>Moribund Sacrifice</b>	<b>1</b>	
<b>Terminal Sacrifice</b>	<b>25</b>	<b>25</b>
<b>Animals Examined Microscopically</b>	<b>26</b>	<b>25</b>
<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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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)
<b>HEMATOPOIETIC SYSTEM</b>		
Bone Marrow	(1)	(25)
Spleen	(1)	(25)
Thymus	(1)	(25)
<b>INTEGUMENTARY SYSTEM</b>		
Mammary Gland	(25)	(25)
Skin	(1)	(0)
<b>MUSCULOSKELETAL SYSTEM</b>		
Bone	(1)	(25)
<b>NERVOUS SYSTEM</b>		
Brain	(1)	(0)
Spinal Cord	(1)	(0)
<b>RESPIRATORY SYSTEM</b>		
Lung	(1)	(0)
Trachea	(1)	(0)
<b>SPECIAL SENSES SYSTEM</b>		
Eye	(0)	(0)

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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<b>CD Rat MALE</b>	<b>F4/10PPB TO CTRL</b>	<b>F4/50PPB TO CTRL</b>
<hr/>		
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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**Time Report Requested:** 11:14:39  
**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**

---

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

**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:** 11:14:39  
**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
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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**

---

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

**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:** 11:14:39  
**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

**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:** 11:14:39  
**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

**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:** 11:14:39  
**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>						
<b>Animals Initially In Study</b>	25	25	25	25	25	25
<b>Early Deaths</b>						
<b>Survivors</b>						
<b>Natural Death</b>						
<b>Terminal Sacrifice</b>	25	25	25	25	25	25
<b>Animals Examined Microscopically</b>	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)
Lymphoma Malignant						
Pancreas	(0)	(0)	(0)	(0)	(0)	(0)
Lymphoma Malignant						
<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>						

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

**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:** 11:14:40  
**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
Clitoral Gland	(2)	(1)	(2)	(0)	(1)	(2)
Ovary	(25)	(25)	(25)	(25)	(25)	(25)
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)
Lymphoma Malignant						
Lymph Node	(0)	(0)	(0)	(0)	(0)	(0)
Axillary, Lymphoma Malignant						
Lymph Node, Mandibular	(0)	(0)	(0)	(0)	(0)	(0)
Lymphoma Malignant						
Spleen	(25)	(0)	(0)	(25)	(25)	(0)
Lymphoma Malignant						
Thymus	(25)	(0)	(0)	(25)	(25)	(0)
Lymphoma Malignant						
<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)

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

**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:** 11:14:40  
**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
Lymphoma Malignant						
Trachea	(0)	(0)	(0)	(0)	(0)	(0)
SPECIAL SENSES SYSTEM						
Eye	(0)	(0)	(0)	(0)	(0)	(0)
URINARY SYSTEM						
Kidney	(25)	(25)	(25)	(25)	(25)	(25)
Lymphoma Malignant						
SYSTEMIC LESIONS						
Multiple Organ	*(25)	*(25)	*(25)	*(25)	*(25)	*(25)
Lymphoma Malignant						

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

**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: 11:14:40  
 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)
Lymphoma Malignant						
Pancreas	(0)	(0)	(0)	(0)	(0)	(0)
Lymphoma Malignant						
<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>						

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

**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:** 11:14:40  
**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
Clitoral Gland	(0)	(1)	(1)	(2)	(1)	(0)
Ovary	(25)	(25)	(25)	(25)	(25)	(25)
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)
Lymphoma Malignant						
Lymph Node	(0)	(0)	(0)	(0)	(0)	(0)
Axillary, Lymphoma Malignant						
Lymph Node, Mandibular	(0)	(0)	(0)	(0)	(0)	(0)
Lymphoma Malignant						
Spleen	(0)	(25)	(25)	(0)	(0)	(25)
Lymphoma Malignant						
Thymus	(0)	(25)	(25)	(0)	(0)	(25)
Lymphoma Malignant						
<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)

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

**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:** 11:14:40  
**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
Lymphoma Malignant						
Trachea	(0)	(0)	(0)	(0)	(0)	(0)
SPECIAL SENSES SYSTEM						
Eye	(1)	(1)	(0)	(0)	(0)	(0)
URINARY SYSTEM						
Kidney	(25)	(25)	(25)	(25)	(25)	(25)
Lymphoma Malignant						
SYSTEMIC LESIONS						
Multiple Organ	*(25)	*(25)	*(25)	*(25)	*(25)	*(25)
Lymphoma Malignant						

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

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: 11:14:40  
 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)
Lymphoma Malignant						
Pancreas	(0)	(0)	(0)	(0)	(0)	(0)
Lymphoma Malignant						
<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>						

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

**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:** 11:14:40  
**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
Clitoral Gland	(0)	(3)	(0)	(0)	(3)	(0)
Ovary	(25)	(25)	(24)	(25)	(25)	(25)
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)
Lymphoma Malignant						
Lymph Node	(0)	(0)	(0)	(0)	(0)	(0)
Axillary, Lymphoma Malignant						
Lymph Node, Mandibular	(0)	(0)	(0)	(0)	(0)	(0)
Lymphoma Malignant						
Spleen	(25)	(0)	(0)	(25)	(25)	(0)
Lymphoma Malignant						
Thymus	(25)	(0)	(0)	(25)	(25)	(0)
Lymphoma Malignant						
<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)

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

**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:** 11:14:40  
**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
Lymphoma Malignant						
Trachea	(0)	(0)	(0)	(0)	(0)	(0)
SPECIAL SENSES SYSTEM						
Eye	(0)	(0)	(0)	(0)	(0)	(0)
URINARY SYSTEM						
Kidney	(25)	(25)	(25)	(25)	(25)	(25)
Lymphoma Malignant						
SYSTEMIC LESIONS						
Multiple Organ	*(25)	*(25)	*(25)	*(25)	*(25)	*(25)
Lymphoma Malignant						

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

**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:** 11:14:40  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

CD Rat FEMALE	F4/10PPB TO CTR	F4/50PPB TO CTRL
<b>Disposition Summary</b>		
<b>Animals Initially In Study</b>	<b>26</b>	<b>25</b>
<b>Early Deaths</b>		
<b>Survivors</b>		
<b>Natural Death</b>	<b>1</b>	
<b>Terminal Sacrifice</b>	<b>25</b>	<b>25</b>
<b>Animals Examined Microscopically</b>	<b>26</b>	<b>25</b>
<b>ALIMENTARY SYSTEM</b>		
Esophagus	(1)	(0)
Intestine Small, Ileum	(0)	(0)
Intestine Small, Jejunum	(0)	(0)
Liver	(1)	(25)
Lymphoma Malignant	1 (100%)	
Pancreas	(1)	(0)
Lymphoma Malignant	1 (100%)	
<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>		

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

**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:** 11:14:40  
**First Dose M/F:** NA / NA  
**Lab:** NCTR

CD Rat FEMALE	F4/10PPB TO CTR	F4/50PPB TO CTRL
Clitoral Gland	(0)	(0)
Ovary	(26)	(25)
Oviduct	(26)	(25)
Uterus	(26)	(25)
Vagina	(26)	(25)
<b>HEMATOPOIETIC SYSTEM</b>		
Bone Marrow	(1)	(25)
Lymphoma Malignant	1 (100%)	
Lymph Node	(1)	(0)
Axillary, Lymphoma Malignant	1 (100%)	
Lymph Node, Mandibular	(1)	(0)
Lymphoma Malignant	1 (100%)	
Spleen	(2)	(25)
Lymphoma Malignant	1 (50%)	
Thymus	(1)	(25)
Lymphoma Malignant	1 (100%)	
<b>INTEGUMENTARY SYSTEM</b>		
Mammary Gland	(26)	(25)
Adenoma		
Skin	(1)	(0)
<b>MUSCULOSKELETAL SYSTEM</b>		
Bone	(1)	(25)
<b>NERVOUS SYSTEM</b>		
Brain	(1)	(0)
<b>RESPIRATORY SYSTEM</b>		
Lung	(1)	(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

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

**P02: INCIDENCE RATES OF NEOPLASMS BY ANATOMIC SITE (a)**  
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**Lab:** NCTR

CD Rat FEMALE	F4/10PPB TO CTR	F4/50PPB TO CTRL
Lymphoma Malignant	1 (100%)	
Trachea	(1)	(0)
SPECIAL SENSES SYSTEM		
Eye	(0)	(0)
URINARY SYSTEM		
Kidney	(26)	(25)
Lymphoma Malignant	1 (4%)	
SYSTEMIC LESIONS		
Multiple Organ	*(26)	*(25)
Lymphoma Malignant	1 (4%)	

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

**P02: INCIDENCE RATES OF NEOPLASMS BY ANATOMIC SITE (a)**  
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**First Dose M/F:** NA / NA  
**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**

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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

**P02: INCIDENCE RATES OF NEOPLASMS BY ANATOMIC SITE (a)**  
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**First Dose M/F:** NA / NA  
**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

**P02: INCIDENCE RATES OF NEOPLASMS BY ANATOMIC SITE (a)**  
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**First Dose M/F:** NA / NA  
**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  
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**Species/Strain:** Rat/CD

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**Lab:** NCTR

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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