

Experiment Number: 99930-91
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 (Genistein)
CAS Number: 446-72-0

Date Report Requested: 10/23/2014
Time Report Requested: 03:14:39
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: 10/23/2014
 Time Report Requested: 03:14:39
 First Dose M/F: NA / NA
 Lab: NCTR

CD Rat MALE	F0 0 PPM	F0 5 PPM	F0 100 PPM	F0 500 PPM	F1 0 PPM	F1 5 PPM
Disposition Summary						
Animals Initially In Study	25	25	25	25	26	25
Early Deaths						
Survivors						
Natural Death	1					
Terminal Sacrifice	24	25	25	25	26	25
Animals Examined Microscopically	25	25	25	25	26	25
ALIMENTARY SYSTEM						
Liver	(24)	(6)	(0)	(25)	(26)	(0)
Mesentery	(0)	(0)	(0)	(1)	(0)	(0)
Salivary Glands	(1)	(0)	(0)	(0)	(0)	(0)
CARDIOVASCULAR SYSTEM						
Blood Vessel	(1)	(0)	(0)	(0)	(0)	(0)
Heart	(1)	(0)	(0)	(0)	(0)	(0)
ENDOCRINE SYSTEM						
Adrenal Cortex	(23)	(0)	(0)	(25)	(26)	(0)
Adrenal Medulla	(22)	(0)	(0)	(25)	(26)	(0)
Parathyroid Gland	(1)	(0)	(1)	(0)	(0)	(0)
Pituitary Gland	(24)	(0)	(0)	(25)	(26)	(0)
Thyroid Gland	(24)	(0)	(0)	(25)	(26)	(0)
GENERAL BODY SYSTEM						
None						
GENITAL SYSTEM						
Coagulating Gland	(23)	(24)	(22)	(25)	(26)	(25)
Ductus Deferens	(0)	(0)	(0)	(0)	(0)	(0)
Epididymis	(24)	(25)	(25)	(25)	(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

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

CD Rat MALE	F0 0 PPM	F0 5 PPM	F0 100 PPM	F0 500 PPM	F1 0 PPM	F1 5 PPM
Penis	(0)	(0)	(0)	(0)	(0)	(0)
Preputial Gland	(0)	(0)	(0)	(1)	(0)	(0)
Prostate	(2)	(5)	(4)	(4)	(3)	(8)
Prostate, Dorsal Lobe	(23)	(25)	(25)	(25)	(26)	(25)
Prostate, Ventral Lobe	(23)	(25)	(25)	(25)	(26)	(25)
Rete Testes	(24)	(25)	(24)	(25)	(26)	(25)
Seminal Vesicle	(24)	(23)	(25)	(24)	(26)	(25)
Testes	(25)	(25)	(25)	(25)	(26)	(25)
HEMATOPOIETIC SYSTEM						
Bone Marrow	(24)	(0)	(0)	(25)	(26)	(0)
Spleen	(24)	(0)	(0)	(25)	(26)	(0)
Thymus	(24)	(0)	(0)	(23)	(26)	(0)
INTEGUMENTARY SYSTEM						
Mammary Gland	(23)	(24)	(23)	(24)	(26)	(24)
Skin	(25)	(0)	(0)	(25)	(26)	(0)
MUSCULOSKELETAL SYSTEM						
Bone, Femur	(25)	(0)	(0)	(25)	(26)	(0)
Bone, Vertebra	(0)	(0)	(0)	(0)	(0)	(0)
NERVOUS SYSTEM						
None						
RESPIRATORY SYSTEM						
Nose	(0)	(0)	(0)	(0)	(0)	(0)
SPECIAL SENSES SYSTEM						
None						
URINARY SYSTEM						

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 0 PPM	F0 5 PPM	F0 100 PPM	F0 500 PPM	F1 0 PPM	F1 5 PPM
Kidney	(24)	(0)	(1)	(25)	(26)	(25)
Urinary Bladder	(0)	(0)	(0)	(0)	(0)	(0)
SYSTEMIC LESIONS						
Multiple Organ	*(25)	*(25)	*(25)	*(25)	*(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

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

CD Rat MALE	F1 100 PPM	F1 500 PPM	F2 0 PPM	F2 5 PPM	F2 100 PPM	F2 500 PPM
Disposition Summary						
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
ALIMENTARY SYSTEM						
Liver	(0)	(25)	(25)	(0)	(0)	(25)
Mesentery	(0)	(0)	(0)	(0)	(0)	(0)
Salivary Glands	(0)	(0)	(0)	(0)	(0)	(0)
CARDIOVASCULAR SYSTEM						
Blood Vessel	(0)	(0)	(0)	(0)	(0)	(0)
Heart	(0)	(0)	(0)	(0)	(0)	(0)
ENDOCRINE SYSTEM						
Adrenal Cortex	(0)	(24)	(25)	(0)	(0)	(25)
Adrenal Medulla	(0)	(24)	(25)	(0)	(0)	(25)
Parathyroid Gland	(0)	(0)	(0)	(0)	(0)	(0)
Pituitary Gland	(0)	(25)	(25)	(0)	(0)	(25)
Thyroid Gland	(0)	(25)	(25)	(0)	(0)	(25)
GENERAL BODY SYSTEM						
None						
GENITAL SYSTEM						
Coagulating Gland	(25)	(25)	(24)	(25)	(24)	(24)
Ductus Deferens	(0)	(0)	(0)	(0)	(0)	(0)
Epididymis	(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

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CD Rat MALE	F1 100 PPM	F1 500 PPM	F2 0 PPM	F2 5 PPM	F2 100 PPM	F2 500 PPM
Penis	(0)	(0)	(0)	(0)	(0)	(0)
Preputial Gland	(0)	(1)	(0)	(0)	(0)	(0)
Prostate	(5)	(3)	(5)	(9)	(5)	(6)
Prostate, Dorsal Lobe	(25)	(24)	(25)	(25)	(25)	(25)
Prostate, Ventral Lobe	(25)	(24)	(25)	(25)	(25)	(25)
Rete Testes	(23)	(25)	(25)	(22)	(25)	(20)
Seminal Vesicle	(25)	(25)	(25)	(25)	(25)	(25)
Testes	(25)	(25)	(25)	(25)	(25)	(24)
HEMATOPOIETIC SYSTEM						
Bone Marrow	(0)	(25)	(25)	(0)	(0)	(25)
Spleen	(0)	(25)	(25)	(0)	(0)	(25)
Thymus	(0)	(25)	(25)	(0)	(1)	(25)
INTEGUMENTARY SYSTEM						
Mammary Gland	(25)	(25)	(24)	(25)	(25)	(25)
Skin	(0)	(25)	(25)	(0)	(0)	(25)
MUSCULOSKELETAL SYSTEM						
Bone, Femur	(0)	(25)	(25)	(0)	(0)	(25)
Bone, Vertebra	(0)	(0)	(0)	(0)	(0)	(0)
NERVOUS SYSTEM						
None						
RESPIRATORY SYSTEM						
Nose	(0)	(0)	(0)	(0)	(0)	(0)
SPECIAL SENSES SYSTEM						
None						
URINARY SYSTEM						

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 100 PPM	F1 500 PPM	F2 0 PPM	F2 5 PPM	F2 100 PPM	F2 500 PPM
Kidney	(25)	(25)	(25)	(25)	(25)	(25)
Urinary Bladder	(0)	(0)	(0)	(0)	(0)	(1)
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

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 Lab: NCTR

CD Rat MALE	F3 0 PPM	F3/5PPM TO CTL	F3/100PPM TO CTL	F3/500PPM TO CTL	F4 0 PPM	F4/5PPM TO CTL
Disposition Summary						
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
ALIMENTARY SYSTEM						
Liver	(25)	(0)	(0)	(24)	(25)	(0)
Mesentery	(0)	(0)	(0)	(0)	(0)	(1)
Salivary Glands	(0)	(0)	(0)	(0)	(0)	(0)
CARDIOVASCULAR SYSTEM						
Blood Vessel	(0)	(0)	(0)	(1)	(0)	(0)
Heart	(0)	(0)	(0)	(0)	(0)	(0)
ENDOCRINE SYSTEM						
Adrenal Cortex	(25)	(0)	(0)	(25)	(25)	(0)
Adrenal Medulla	(25)	(0)	(0)	(25)	(25)	(0)
Parathyroid Gland	(0)	(0)	(0)	(0)	(0)	(0)
Pituitary Gland	(25)	(0)	(0)	(25)	(25)	(0)
Thyroid Gland	(25)	(0)	(0)	(25)	(25)	(0)
GENERAL BODY SYSTEM						
None						
GENITAL SYSTEM						
Coagulating Gland	(25)	(25)	(25)	(25)	(25)	(25)
Ductus Deferens	(0)	(1)	(0)	(0)	(0)	(0)
Epididymis	(25)	(25)	(25)	(25)	(25)	(25)

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

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Lab: NCTR

CD Rat MALE	F3 0 PPM	F3/5PPM TO CTL	F3/100PPM TO CTL	F3/500PPM TO CTL	F4 0 PPM	F4/5PPM TO CTL
Penis	(0)	(0)	(0)	(0)	(0)	(0)
Preputial Gland	(0)	(0)	(0)	(0)	(0)	(0)
Prostate	(3)	(5)	(3)	(5)	(3)	(7)
Prostate, Dorsal Lobe	(25)	(25)	(25)	(25)	(25)	(25)
Prostate, Ventral Lobe	(25)	(25)	(25)	(25)	(25)	(25)
Rete Testes	(24)	(25)	(25)	(24)	(25)	(20)
Seminal Vesicle	(25)	(25)	(25)	(25)	(25)	(25)
Testes	(25)	(24)	(25)	(25)	(25)	(25)
HEMATOPOIETIC SYSTEM						
Bone Marrow	(25)	(0)	(0)	(25)	(25)	(0)
Spleen	(25)	(0)	(0)	(25)	(25)	(0)
Thymus	(25)	(0)	(0)	(25)	(25)	(0)
INTEGUMENTARY SYSTEM						
Mammary Gland	(24)	(25)	(25)	(23)	(25)	(25)
Skin	(24)	(0)	(0)	(25)	(25)	(0)
MUSCULOSKELETAL SYSTEM						
Bone, Femur	(25)	(0)	(0)	(25)	(25)	(0)
Bone, Vertebra	(0)	(1)	(0)	(0)	(0)	(0)
NERVOUS SYSTEM						
None						
RESPIRATORY SYSTEM						
Nose	(0)	(0)	(0)	(0)	(0)	(0)
SPECIAL SENSES SYSTEM						
None						
URINARY SYSTEM						

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 0 PPM	F3/5PPM TO CTL	F3/100PPM TO CTL	F3/500PPM TO CTL	F4 0 PPM	F4/5PPM TO CTL
Kidney	(25)	(1)	(0)	(25)	(25)	(0)
Urinary Bladder	(0)	(0)	(0)	(0)	(0)	(0)
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

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

CD Rat MALE	F4/100PPM TO CTL	F4/500PPM TO CTL
Disposition Summary		
Animals Initially In Study	25	25
Early Deaths		
Survivors		
Natural Death		
Terminal Sacrifice	25	25
Animals Examined Microscopically	25	25
ALIMENTARY SYSTEM		
Liver	(0)	(25)
Mesentery	(0)	(0)
Salivary Glands	(0)	(0)
CARDIOVASCULAR SYSTEM		
Blood Vessel	(0)	(0)
Heart	(0)	(0)
ENDOCRINE SYSTEM		
Adrenal Cortex	(0)	(25)
Adrenal Medulla	(0)	(25)
Parathyroid Gland	(0)	(0)
Pituitary Gland	(0)	(25)
Thyroid Gland	(0)	(25)
GENERAL BODY SYSTEM		
None		
GENITAL SYSTEM		
Coagulating Gland	(25)	(25)
Ductus Deferens	(0)	(0)
Epididymis	(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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First Dose M/F: NA / NA
Lab: NCTR

CD Rat MALE	F4/100PPM TO CTL	F4/500PPM TO CTL
Penis	(1)	(0)
Preputial Gland	(0)	(0)
Prostate	(1)	(1)
Prostate, Dorsal Lobe	(25)	(25)
Prostate, Ventral Lobe	(25)	(25)
Rete Testes	(24)	(22)
Seminal Vesicle	(24)	(25)
Testes	(25)	(25)
HEMATOPOIETIC SYSTEM		
Bone Marrow	(0)	(25)
Spleen	(0)	(25)
Thymus	(0)	(25)
INTEGUMENTARY SYSTEM		
Mammary Gland	(25)	(24)
Skin	(0)	(23)
MUSCULOSKELETAL SYSTEM		
Bone, Femur	(0)	(25)
Bone, Vertebra	(0)	(0)
NERVOUS SYSTEM		
None		
RESPIRATORY SYSTEM		
Nose	(0)	(1)
SPECIAL SENSES SYSTEM		
None		
URINARY SYSTEM		

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 MALE	F4/100PPM TO CTL	F4/500PPM TO CTL
Kidney	(0)	(25)
Urinary Bladder	(0)	(0)
<hr/>		
SYSTEMIC LESIONS		
Multiple Organ	*(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

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

CD Rat MALE	F0 0 PPM	F0 5 PPM	F0 100 PPM	F0 500 PPM	F1 0 PPM	F1 5 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						

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
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CD Rat MALE	F1 100 PPM	F1 500 PPM	F2 0 PPM	F2 5 PPM	F2 100 PPM	F2 500 PPM
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

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First Dose M/F: NA / NA
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CD Rat MALE	F3 0 PPM	F3/5PPM TO CTL	F3/100PPM TO CTL	F3/500PPM TO CTL	F4 0 PPM	F4/5PPM TO CTL
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: 99930-91
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 (Genistein)
CAS Number: 446-72-0

Date Report Requested: 10/23/2014
Time Report Requested: 03:14:39
First Dose M/F: NA / NA
Lab: NCTR

CD Rat MALE

F4/100PPM TO CTL

F4/500PPM TO CTL

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

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: 99930-91
 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 (Genistein)
 CAS Number: 446-72-0

Date Report Requested: 10/23/2014
 Time Report Requested: 03:14:39
 First Dose M/F: NA / NA
 Lab: NCTR

CD Rat FEMALE	F0 0 PPM	F0 5 PPM	F0 100 PPM	F0 500 PPM	F1 0 PPM	F1 5 PPM
Disposition Summary						
Animals Initially In Study	26	25	26	25	25	25
Early Deaths						
Survivors						
Moribund	1		1			
Natural Death					1	
Terminal Sacrifice	25	25	25	25	24	25
Animals Examined Microscopically	26	25	26	25	25	25
ALIMENTARY SYSTEM						
Esophagus	(1)	(0)	(1)	(0)	(0)	(0)
Intestine Large, Cecum	(1)	(0)	(1)	(0)	(0)	(0)
Intestine Large, Colon	(1)	(0)	(1)	(0)	(0)	(0)
Intestine Small, Duodenum	(1)	(0)	(1)	(0)	(0)	(0)
Intestine Small, Ileum	(1)	(0)	(1)	(0)	(0)	(0)
Intestine Small, Jejunum	(1)	(0)	(1)	(0)	(0)	(0)
Liver	(26)	(1)	(1)	(25)	(25)	(1)
Pancreas	(1)	(0)	(1)	(0)	(0)	(0)
Salivary Glands	(1)	(0)	(1)	(0)	(1)	(0)
Stomach, Forestomach	(1)	(0)	(1)	(0)	(1)	(0)
Stomach, Glandular	(1)	(0)	(1)	(0)	(0)	(0)
CARDIOVASCULAR SYSTEM						
Blood Vessel	(0)	(0)	(0)	(0)	(0)	(0)
Heart	(1)	(0)	(1)	(0)	(1)	(0)
ENDOCRINE SYSTEM						
Adrenal Cortex	(26)	(0)	(1)	(25)	(25)	(0)
Adenoma						

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: 99930-91
 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 (Genistein)
 CAS Number: 446-72-0

Date Report Requested: 10/23/2014
 Time Report Requested: 03:14:39
 First Dose M/F: NA / NA
 Lab: NCTR

CD Rat FEMALE	F0 0 PPM	F0 5 PPM	F0 100 PPM	F0 500 PPM	F1 0 PPM	F1 5 PPM
Adrenal Medulla	(26)	(0)	(1)	(25)	(25)	(0)
Pituitary Gland	(26)	(0)	(1)	(25)	(25)	(0)
Thyroid Gland	(25)	(0)	(1)	(25)	(25)	(0)
GENERAL BODY SYSTEM						
None						
GENITAL SYSTEM						
Clitoral Gland	(0)	(1)	(1)	(1)	(0)	(0)
Ovary	(26)	(25)	(26)	(25)	(25)	(25)
Oviduct	(26)	(25)	(26)	(25)	(25)	(25)
Uterus	(26)	(25)	(26)	(25)	(25)	(25)
Vagina	(26)	(25)	(26)	(25)	(25)	(25)
HEMATOPOIETIC SYSTEM						
Bone Marrow	(26)	(0)	(1)	(25)	(25)	(0)
Lymph Node, Mandibular	(1)	(0)	(1)	(0)	(1)	(0)
Lymph Node, Mesenteric	(1)	(0)	(1)	(0)	(1)	(0)
Spleen	(25)	(0)	(1)	(24)	(25)	(0)
Thymus	(26)	(0)	(1)	(25)	(25)	(0)
INTEGUMENTARY SYSTEM						
Mammary Gland	(25)	(25)	(26)	(25)	(24)	(23)
Skin	(26)	(0)	(2)	(25)	(25)	(0)
MUSCULOSKELETAL SYSTEM						
Bone	(1)	(0)	(0)	(0)	(0)	(0)
Bone, Femur	(26)	(0)	(1)	(25)	(25)	(0)
NERVOUS SYSTEM						
Brain	(0)	(0)	(0)	(0)	(0)	(0)
Brain, Brain Stem	(1)	(0)	(1)	(0)	(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: 99930-91
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 (Genistein)
CAS Number: 446-72-0

Date Report Requested: 10/23/2014
Time Report Requested: 03:14:39
First Dose M/F: NA / NA
Lab: NCTR

CD Rat FEMALE	F0 0 PPM	F0 5 PPM	F0 100 PPM	F0 500 PPM	F1 0 PPM	F1 5 PPM
Brain, Cerebellum	(1)	(0)	(1)	(0)	(1)	(0)
Brain, Cerebrum	(1)	(0)	(1)	(0)	(1)	(0)
RESPIRATORY SYSTEM						
Lung	(1)	(0)	(1)	(0)	(1)	(0)
Nose	(1)	(0)	(1)	(0)	(1)	(0)
Trachea	(0)	(0)	(1)	(0)	(0)	(0)
SPECIAL SENSES SYSTEM						
Eye	(1)	(0)	(0)	(0)	(0)	(0)
URINARY SYSTEM						
Kidney	(26)	(25)	(26)	(25)	(25)	(25)
Adenoma, Tubular						
Nephroblastoma						1 (4%)
Urinary Bladder	(0)	(0)	(1)	(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: 99930-91
 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 (Genistein)
 CAS Number: 446-72-0

Date Report Requested: 10/23/2014
 Time Report Requested: 03:14:39
 First Dose M/F: NA / NA
 Lab: NCTR

CD Rat FEMALE	F1 100 PPM	F1 500 PPM	F2 0 PPM	F2 5 PPM	F2 100 PPM	F2 500 PPM
Disposition Summary						
Animals Initially In Study	25	25	25	25	25	25
Early Deaths						
Survivors						
Moribund						
Natural Death						
Terminal Sacrifice	25	25	25	25	25	25
Animals Examined Microscopically	25	25	25	25	25	25
ALIMENTARY SYSTEM						
Esophagus	(0)	(0)	(0)	(0)	(0)	(0)
Intestine Large, Cecum	(0)	(0)	(0)	(0)	(0)	(0)
Intestine Large, Colon	(0)	(0)	(0)	(0)	(0)	(0)
Intestine Small, Duodenum	(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	(0)	(25)	(25)	(2)	(0)	(25)
Pancreas	(0)	(0)	(1)	(0)	(0)	(0)
Salivary Glands	(0)	(0)	(0)	(0)	(0)	(0)
Stomach, Forestomach	(0)	(0)	(0)	(0)	(0)	(0)
Stomach, Glandular	(0)	(0)	(0)	(0)	(0)	(0)
CARDIOVASCULAR SYSTEM						
Blood Vessel	(0)	(0)	(0)	(0)	(0)	(0)
Heart	(0)	(0)	(0)	(0)	(0)	(0)
ENDOCRINE SYSTEM						
Adrenal Cortex	(0)	(25)	(25)	(0)	(0)	(25)
Adenoma						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: 99930-91
 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 (Genistein)
 CAS Number: 446-72-0

Date Report Requested: 10/23/2014
 Time Report Requested: 03:14:39
 First Dose M/F: NA / NA
 Lab: NCTR

CD Rat FEMALE	F1 100 PPM	F1 500 PPM	F2 0 PPM	F2 5 PPM	F2 100 PPM	F2 500 PPM
Adrenal Medulla	(0)	(25)	(25)	(0)	(0)	(25)
Pituitary Gland	(0)	(25)	(25)	(0)	(0)	(25)
Thyroid Gland	(0)	(25)	(25)	(0)	(0)	(25)
GENERAL BODY SYSTEM						
None						
GENITAL SYSTEM						
Clitoral Gland	(0)	(0)	(0)	(0)	(0)	(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)	(24)	(23)	(24)	(23)
HEMATOPOIETIC SYSTEM						
Bone Marrow	(0)	(25)	(25)	(0)	(0)	(25)
Lymph Node, Mandibular	(0)	(0)	(0)	(0)	(0)	(0)
Lymph Node, Mesenteric	(0)	(0)	(0)	(0)	(0)	(0)
Spleen	(0)	(25)	(25)	(0)	(0)	(25)
Thymus	(0)	(25)	(25)	(0)	(0)	(25)
INTEGUMENTARY SYSTEM						
Mammary Gland	(25)	(25)	(24)	(25)	(25)	(25)
Skin	(1)	(25)	(25)	(0)	(0)	(25)
MUSCULOSKELETAL SYSTEM						
Bone	(0)	(0)	(0)	(0)	(0)	(0)
Bone, Femur	(0)	(25)	(25)	(0)	(0)	(25)
NERVOUS SYSTEM						
Brain	(0)	(0)	(0)	(0)	(0)	(0)
Brain, Brain Stem	(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: 99930-91
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 (Genistein)
CAS Number: 446-72-0

Date Report Requested: 10/23/2014
Time Report Requested: 03:14:39
First Dose M/F: NA / NA
Lab: NCTR

CD Rat FEMALE	F1 100 PPM	F1 500 PPM	F2 0 PPM	F2 5 PPM	F2 100 PPM	F2 500 PPM
Brain, Cerebellum	(0)	(0)	(0)	(0)	(0)	(0)
Brain, Cerebrum	(0)	(0)	(0)	(0)	(0)	(0)
RESPIRATORY SYSTEM						
Lung	(0)	(0)	(0)	(0)	(0)	(0)
Nose	(0)	(0)	(0)	(0)	(0)	(0)
Trachea	(0)	(0)	(0)	(0)	(0)	(0)
SPECIAL SENSES SYSTEM						
Eye	(0)	(0)	(0)	(0)	(0)	(0)
URINARY SYSTEM						
Kidney	(24)	(25)	(25)	(25)	(25)	(25)
Adenoma, Tubular						
Nephroblastoma						
Urinary Bladder	(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: 99930-91
 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 (Genistein)
 CAS Number: 446-72-0

Date Report Requested: 10/23/2014
 Time Report Requested: 03:14:39
 First Dose M/F: NA / NA
 Lab: NCTR

CD Rat FEMALE	F3 0 PPM	F3/5PPM TO CTL	F3/100PPM TO CTL	F3/500PPM TO CTL	F4 0 PPM	F4/5PPM TO CTL
Disposition Summary						
Animals Initially In Study	25	25	25	25	26	25
Early Deaths						
Survivors						
Moribund						
Natural Death					1	
Terminal Sacrifice	25	25	25	25	25	25
Animals Examined Microscopically	25	25	25	25	26	25
ALIMENTARY SYSTEM						
Esophagus	(0)	(0)	(0)	(0)	(0)	(0)
Intestine Large, Cecum	(0)	(0)	(0)	(0)	(1)	(0)
Intestine Large, Colon	(0)	(0)	(0)	(0)	(1)	(0)
Intestine Small, Duodenum	(0)	(0)	(0)	(0)	(1)	(0)
Intestine Small, Ileum	(0)	(0)	(0)	(0)	(1)	(0)
Intestine Small, Jejunum	(0)	(0)	(0)	(0)	(1)	(0)
Liver	(25)	(2)	(0)	(24)	(26)	(0)
Pancreas	(0)	(0)	(0)	(0)	(1)	(0)
Salivary Glands	(0)	(0)	(0)	(0)	(1)	(0)
Stomach, Forestomach	(0)	(0)	(0)	(0)	(0)	(0)
Stomach, Glandular	(0)	(0)	(0)	(0)	(0)	(0)
CARDIOVASCULAR SYSTEM						
Blood Vessel	(0)	(0)	(0)	(0)	(1)	(0)
Heart	(0)	(0)	(0)	(0)	(1)	(0)
ENDOCRINE SYSTEM						
Adrenal Cortex	(25)	(1)	(0)	(25)	(26)	(0)
Adenoma						

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: 99930-91
 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 (Genistein)
 CAS Number: 446-72-0

Date Report Requested: 10/23/2014
 Time Report Requested: 03:14:40
 First Dose M/F: NA / NA
 Lab: NCTR

CD Rat FEMALE	F3 0 PPM	F3/5PPM TO CTL	F3/100PPM TO CTL	F3/500PPM TO CTL	F4 0 PPM	F4/5PPM TO CTL
Adrenal Medulla	(25)	(1)	(0)	(25)	(26)	(0)
Pituitary Gland	(25)	(1)	(0)	(25)	(26)	(0)
Thyroid Gland	(25)	(1)	(0)	(25)	(26)	(0)
GENERAL BODY SYSTEM						
None						
GENITAL SYSTEM						
Clitoral Gland	(0)	(0)	(0)	(0)	(0)	(0)
Ovary	(25)	(25)	(25)	(25)	(25)	(24)
Oviduct	(25)	(25)	(25)	(25)	(25)	(24)
Uterus	(25)	(25)	(25)	(25)	(26)	(25)
Vagina	(24)	(25)	(25)	(25)	(26)	(25)
HEMATOPOIETIC SYSTEM						
Bone Marrow	(25)	(1)	(0)	(25)	(26)	(0)
Lymph Node, Mandibular	(0)	(0)	(0)	(0)	(1)	(0)
Lymph Node, Mesenteric	(0)	(0)	(0)	(0)	(1)	(0)
Spleen	(25)	(1)	(0)	(25)	(26)	(0)
Thymus	(25)	(1)	(0)	(25)	(26)	(0)
INTEGUMENTARY SYSTEM						
Mammary Gland	(25)	(25)	(25)	(25)	(26)	(25)
Skin	(25)	(1)	(0)	(24)	(26)	(0)
MUSCULOSKELETAL SYSTEM						
Bone	(0)	(0)	(0)	(0)	(0)	(0)
Bone, Femur	(25)	(1)	(0)	(25)	(26)	(0)
NERVOUS SYSTEM						
Brain	(0)	(0)	(0)	(0)	(1)	(0)
Brain, Brain Stem	(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: 99930-91
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 (Genistein)
CAS Number: 446-72-0

Date Report Requested: 10/23/2014
Time Report Requested: 03:14:40
First Dose M/F: NA / NA
Lab: NCTR

CD Rat FEMALE	F3 0 PPM	F3/5PPM TO CTL	F3/100PPM TO CTL	F3/500PPM TO CTL	F4 0 PPM	F4/5PPM TO CTL
Brain, Cerebellum	(0)	(0)	(0)	(0)	(0)	(0)
Brain, Cerebrum	(0)	(0)	(0)	(0)	(1)	(0)
RESPIRATORY SYSTEM						
Lung	(0)	(0)	(0)	(0)	(1)	(0)
Nose	(0)	(0)	(0)	(0)	(1)	(0)
Trachea	(0)	(0)	(0)	(0)	(0)	(0)
SPECIAL SENSES SYSTEM						
Eye	(0)	(0)	(0)	(0)	(0)	(0)
URINARY SYSTEM						
Kidney	(25)	(25)	(25)	(25)	(26)	(25)
Adenoma, Tubular	1 (4%)					
Nephroblastoma						
Urinary Bladder	(0)	(0)	(0)	(0)	(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: 99930-91
 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 (Genistein)
 CAS Number: 446-72-0

Date Report Requested: 10/23/2014
 Time Report Requested: 03:14:40
 First Dose M/F: NA / NA
 Lab: NCTR

CD Rat FEMALE	F4/100PPM TO CTL	F4/500PPM TO CTL
Disposition Summary		
Animals Initially In Study	25	25
Early Deaths		
Survivors		
Moribund		
Natural Death		
Terminal Sacrifice	25	25
Animals Examined Microscopically	25	25
ALIMENTARY SYSTEM		
Esophagus	(0)	(0)
Intestine Large, Cecum	(0)	(0)
Intestine Large, Colon	(0)	(0)
Intestine Small, Duodenum	(0)	(0)
Intestine Small, Ileum	(0)	(0)
Intestine Small, Jejunum	(0)	(0)
Liver	(1)	(25)
Pancreas	(0)	(0)
Salivary Glands	(0)	(0)
Stomach, Forestomach	(0)	(0)
Stomach, Glandular	(0)	(0)
CARDIOVASCULAR SYSTEM		
Blood Vessel	(0)	(0)
Heart	(0)	(0)
ENDOCRINE SYSTEM		
Adrenal Cortex	(0)	(25)
Adenoma		

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: 99930-91
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 (Genistein)
CAS Number: 446-72-0

Date Report Requested: 10/23/2014
Time Report Requested: 03:14:40
First Dose M/F: NA / NA
Lab: NCTR

CD Rat FEMALE	F4/100PPM TO CTL	F4/500PPM TO CTL
Adrenal Medulla	(0)	(25)
Pituitary Gland	(0)	(25)
Thyroid Gland	(0)	(25)
GENERAL BODY SYSTEM		
None		
GENITAL SYSTEM		
Clitoral Gland	(0)	(0)
Ovary	(24)	(25)
Oviduct	(24)	(25)
Uterus	(25)	(25)
Vagina	(25)	(25)
HEMATOPOIETIC SYSTEM		
Bone Marrow	(0)	(25)
Lymph Node, Mandibular	(0)	(0)
Lymph Node, Mesenteric	(0)	(0)
Spleen	(0)	(25)
Thymus	(0)	(25)
INTEGUMENTARY SYSTEM		
Mammary Gland	(25)	(25)
Skin	(0)	(25)
MUSCULOSKELETAL SYSTEM		
Bone	(0)	(0)
Bone, Femur	(0)	(25)
NERVOUS SYSTEM		
Brain	(0)	(0)
Brain, Brain Stem	(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: 99930-91
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 (Genistein)
CAS Number: 446-72-0

Date Report Requested: 10/23/2014
Time Report Requested: 03:14:40
First Dose M/F: NA / NA
Lab: NCTR

CD Rat FEMALE	F4/100PPM TO CTL	F4/500PPM TO CTL
Brain, Cerebellum	(0)	(0)
Brain, Cerebrum	(0)	(0)
RESPIRATORY SYSTEM		
Lung	(0)	(0)
Nose	(0)	(0)
Trachea	(0)	(0)
SPECIAL SENSES SYSTEM		
Eye	(0)	(0)
URINARY SYSTEM		
Kidney	(25)	(25)
Adenoma, Tubular		
Nephroblastoma		
Urinary Bladder	(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: 99930-91
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 (Genistein)
CAS Number: 446-72-0

Date Report Requested: 10/23/2014
Time Report Requested: 03:14:40
First Dose M/F: NA / NA
Lab: NCTR

CD Rat FEMALE	F0 0 PPM	F0 5 PPM	F0 100 PPM	F0 500 PPM	F1 0 PPM	F1 5 PPM
Tumor Summary for FEMALE						
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						

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: 99930-91
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 (Genistein)
CAS Number: 446-72-0

Date Report Requested: 10/23/2014
Time Report Requested: 03:14:40
First Dose M/F: NA / NA
Lab: NCTR

CD Rat FEMALE	F1 100 PPM	F1 500 PPM	F2 0 PPM	F2 5 PPM	F2 100 PPM	F2 500 PPM
Tumor Summary for FEMALE						
Total Animals with Primary Neoplasms (b)						1
Total Primary Neoplasms						1
Total Animals with Benign Neoplasms						1
Total Benign Neoplasms						1
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: 99930-91
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 (Genistein)
CAS Number: 446-72-0

Date Report Requested: 10/23/2014
Time Report Requested: 03:14:40
First Dose M/F: NA / NA
Lab: NCTR

CD Rat FEMALE	F3 0 PPM	F3/5PPM TO CTL	F3/100PPM TO CTL	F3/500PPM TO CTL	F4 0 PPM	F4/5PPM TO CTL
Tumor Summary for FEMALE						
Total Animals with Primary Neoplasms (b)	1					
Total Primary Neoplasms	1					
Total Animals with Benign Neoplasms	1					
Total Benign Neoplasms	1					
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: 99930-91
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 (Genistein)
CAS Number: 446-72-0

Date Report Requested: 10/23/2014
Time Report Requested: 03:14:40
First Dose M/F: NA / NA
Lab: NCTR

CD Rat FEMALE

F4/100PPM TO CTL

F4/500PPM TO CTL

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 ****

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