

Experiment Number: 99930-93
Test Type: SPECIAL STUDY
Route: DOSED FEED
Species/Strain: Rat/CD

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Test Compound: Endocrine disruptor (Genistein)

CAS Number: 446-72-0

Date Report Requested: 10/17/2014

Time Report Requested: 12:51:54

First Dose M/F: NA / NA

Lab: NCTR

C Number:	MG96005
Lock Date:	Not Entered.
Cage Range:	All
Date Range:	All
Reasons For Removal:	All
Removal Date Range:	All
Treatment Groups:	All
Study Gender:	Both
PWG Approval Date	NONE

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CD Rat Male F3 OPPM	DAY ON TEST	ANIMAL ID																											
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		2	4	4	4	4	4	5	5	5	6	6	6	6	6	6	7	7	7	7	7	7	7	7	7	7	7	7	7
		6	0	6	9	9	9	0	5	8	0	3	6	6	8	9	2	4	4	5	5	5	5	5	5	5	5	5	5
		0	2	8	4	7	7	6	0	1	6	9	5	2	5	3	5	9	2	4	0	1	1	1	2	2	2	3	4
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1
		0	1	1	1	1	1	1	2	2	2	2	3	3	4	4	6	9	9	9	9	9	9	9	9	9	1	1	1
		5	0	2	4	4	4	5	0	3	9	9	5	9	1	4	2	3	4	4	7	7	7	7	9	9	8	7	8
		5	4	6	4	6	7	1	6	9	5	6	1	8	3	3	2	8	7	8	4	0	1	2	3	0	1	2	9

Alimentary System

Esophagus	A	A	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Adventitia, Fibrous Histiocytoma, Metastatic, Uncertain Primary Site																														X
Intestine Large, Cecum	A	A	A	A	A	+	A	+	+	M	+	+	+	A	A	+	+	A	+	+	+	+	+	+	+	+	+	+	+	
Intestine Large, Colon	A	A	A	A	A	+	A	+	+	M	+	+	+	A	A	+	+	A	+	+	+	+	+	+	+	+	+	+	+	
Adenocarcinoma																														X
Intestine Large, Rectum	A										+		+	+	A	A	+	+	A	+	+	+	+	+	+	+	+	+	+	
Leiomyosarcoma																														X
Intestine Small, Duodenum	A	A	A	A	A	+	A	+	+	M	+	+	+	A	A	+	+	A	+	+	+	+	+	+	+	+	+	+	+	
Adenocarcinoma																														X
Intestine Small, Ileum	A	A	A	A	A	+	A	+	A	M	+	+	+	A	A	+	+	A	+	+	+	+	+	+	+	+	+	+	+	
Intestine Small, Jejunum	A	A	A	A	A	A	A	+	+	M	+	+	+	A	A	+	+	A	+	+	+	+	+	+	+	+	+	+	+	
Liver	+	+	+	+	+	+	+	A	+	+	M	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Hepatocellular Adenoma																														
Hepatocellular Carcinoma																														X
Pancreas	A	M	I	A	+	+	+	A	+	+	M	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	
Salivary Glands	A	+	+	A	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Fibrous Histiocytoma, Metastatic, Uncertain Primary Site																														X
Stomach, Forestomach	A	A	A	A	A	+	+	+	+	M	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Stomach, Glandular	A	A	A	A	A	+	A	+	+	M	+	+	+	A	A	+	+	A	+	+	+	+	+	+	+	+	+	+	+	

* ..Total animals with tissue examined microscopically; Total animals with tumor
+ ..Tissue examined microscopically
X ..Lesion present
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M ..Missing tissue
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		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		2	4	4	4	4	4	5	5	5	6	6	6	6	6	6	6	7	7	7	7	7	7	7	7	7	7	7	7		
		6	0	6	9	9	9	0	5	8	0	0	3	6	6	8	9	2	4	4	5	5	5	5	5	5	5	5	5		
		0	2	8	4	7	7	6	0	1	6	9	5	2	5	3	5	9	2	4	4	0	1	1	1	2	2	2	3	4	
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1
		0	1	1	1	1	1	1	2	2	2	2	3	3	4	4	6	9	9	9	9	9	9	9	9	9	9	1	1	1	0
		5	0	2	4	4	4	5	0	3	9	9	5	9	1	4	2	3	4	4	7	7	7	7	9	9	8	7	8	8	4
		5	4	6	4	6	7	1	6	9	5	6	1	8	3	3	2	8	7	8	4	0	1	1	2	3	0	1	2	3	4

NONE																														
Genital System																														
Coagulating Gland	A	A	A	A	+	+	+	A	+	+	M	+	+	+	A	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+
Epididymis	+	A	+	+	+	+	+	+	+	+	M	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Preputial Gland	+	+	+	A	+	+	+	+	+	+	M	+	+	+	A	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+
Prostate				+		+					M		+						+											
Prostate, Dorsal Lobe	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Prostate, Ventral Lobe	+	+	A	+	+	+	+	+	+	+	M	+	+	+	+	M	+	+	A	+	+	+	+	+	+	+	+	+	+	+
Rete Testes	+	+	+	+	M	M	+	+	+	+	M	+	+	+	+	+	+	M	M	+	+	+	+	+	+	+	+	+	+	+
Seminal Vesicle	A	A	A	A	+	A	+	A	+	+	M	+	+	+	A	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+
Testes	+	+	+	+	+	+	+	+	+	+	M		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Interstit Cell, Adenoma																														
Seminoma Benign																														
Hematopoietic System																														
Bone Marrow	+	+	+	+	+	A	+	A	+	+	M	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymph Node	+	+			+										+	A	+											+		+
Lymph Node, Mandibular	+	+	+	+	+	A	+	+	+	+	M	+	+	+	A	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Fibrous Histiocytoma, Metastatic, Uncertain																														
Primary Site																														
Lymph Node, Mesenteric	A	+	A	+	+	A	+	+	+	+	M	+	+	+	A	A	+	+	A	+	+	+	+	+	+	+	+	+	+	+
Spleen	+	+	+	+	+	+	+	A	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Sarcoma																														

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		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Thymus		A	+	+	+	+	A	+	+	+	+	M	+	+	+	A	A	+	+	+	+	+	+	+	+	+	+	+	M	+	
Adventitia, Fibrous Histiocytoma, Metastatic, Uncertain Primary Site																															X
Integumentary System																															
Mammary Gland		A	I	I	A	I	A	+	A	+	I	M	I	+	+	A	M	I	+	+	+	+	+	+	+	+	+	+	+	+	
Skin		+	A	+	+	+	+	+	A	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Keratoacanthoma																															
Schwannoma Malignant																															X
Squamous Cell Carcinoma																															X
Musculoskeletal System																															
Bone, Cranium						+																									
Bone, Femur		+	A	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Skeletal Muscle																															+
Fibrous Histiocytoma, Metastatic, Uncertain Primary Site																															X
Nervous System																															
Brain, Brain Stem		A	+	+	A	A	+	+	A	+	+	M	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Brain, Cerebellum		A	+	+	+	A	+	+	A	+	+	M	+	+	+	A	+	+	+	A	+	+	+	+	+	+	+	+	+	+	
Astrocytoma Malignant																															X
Brain, Cerebrum		A	+	+	A	A	+	+	A	+	+	M	+	+	+	A	+	+	+	A	+	+	+	+	+	+	+	+	+	+	
Astrocytoma Malignant																															

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		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		2	4	4	4	4	4	5	5	5	6	6	6	6	6	6	7	7	7	7	7	7	7	7	7	7	7	7	7
		6	0	6	9	9	9	0	5	8	0	3	6	6	8	9	2	4	4	5	5	5	5	5	5	5	5	5	5
		0	2	8	4	7	7	6	0	1	6	9	5	2	5	3	5	9	2	4	0	1	1	1	2	2	2	3	3
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1
		0	1	1	1	1	1	1	2	2	2	2	3	3	4	4	6	9	9	9	9	9	9	9	9	9	1	1	1
		5	0	2	4	4	4	5	0	3	9	9	5	9	1	4	2	3	4	4	7	7	7	7	9	9	8	7	8
		5	4	6	4	6	7	1	6	9	5	6	1	8	3	3	2	8	7	8	4	0	1	2	3	0	1	2	6

Respiratory System

Lung	A	+	+	A	+	+	+	+	+	+	M	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	
Fibrous Histiocytoma, Metastatic, Uncertain Primary Site																													X
Nose	A	+	+	A	+	+	+	A	+	+	M	+	+	+	A	A	+	+	+	+	+	+	+	+	+	+	+	+	
Trachea	A	+	+	A	+	A	+	A	+	+	M	+	+	+	A	A	+	+	+	+	+	+	+	+	+	+	+	+	
Adventitia, Fibrous Histiocytoma, Metastatic, Uncertain Primary Site																													X

Special Senses System

Eye	A														M	+	+	A	A	+	A	+	+	+	+	+	+	+
Harderian Gland	A														M	+	+	A	A	+	+	+	+	+	+	+	+	+

Urinary System

Kidney	A	+	+	A	+	A	+	A	+	+	M	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+
Urinary Bladder	A	+	I	A	+	A	+	A	+	+	M	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+

SYSTEMIC LESIONS

Multiple Organ	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Leukemia	X																											
Lymphoma Malignant		X			X																							

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**CD Rat Male
 F3 OPPM**

DAY ON TEST	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	
	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	
	4	4	4	4	5	5	5	5	5	5	5	5	5	5	5	5	5	6	6	6	
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
	0	1	1	2	0	0	0	0	1	1	1	1	1	1	1	1	2	1	1	1	
	4	7	7	0	4	4	7	9	9	3	3	3	3	3	3	9	0	5	7	7	
	7	7	8	0	4	5	2	8	9	0	1	2	3	4	5	6	9	9	4	5	6
	*TOTALS																				

Alimentary System

Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Adventitia, Fibrous Histiocytoma, Metastatic, Uncertain Primary Site																					1
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	41
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	41
Adenocarcinoma																					1
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	38
Leiomyosarcoma																					1
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	41
Adenocarcinoma																	X				2
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	40
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	40
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Hepatocellular Adenoma					X																1
Hepatocellular Carcinoma																					1
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	45
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Fibrous Histiocytoma, Metastatic, Uncertain Primary Site																					1
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	44
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	41

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DAY ON TEST	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	
	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	
	4	4	4	4	5	5	5	5	5	5	5	5	5	5	5	5	5	6	6	6	
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
	0	1	1	2	0	0	0	0	1	1	1	1	1	1	1	1	2	1	1	1	
	4	7	7	0	4	4	7	9	9	3	3	3	3	3	3	9	0	5	7	7	
	7	7	8	0	4	5	2	8	9	0	1	2	3	4	5	6	9	9	4	5	6
	*TOTALS																				

Cardiovascular System

Blood Vessel	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	51
Fibrous Histiocytoma, Metastatic, Uncertain Primary Site																					1
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	51
Pericardium, Fibrous Histiocytoma, Metastatic, Uncertain Primary Site																					1

Endocrine System

Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
Pheochromocytoma Benign				X			X		X		X										4
Pheochromocytoma Malignant		X																			1
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	45
Adenoma		X																			3
Parathyroid Gland	+	+	+	+	M	+	+	+	+	+	M	+	I	+	M	+	+	+	+	+	41
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Pars Distalis, Adenoma																				X	16
Pars Distalis, Adenoma, Multiple		X																			1
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	44
Bilateral, C Cell, Adenoma															X						1
C Cell, Adenoma																					1

General Body System

* ..Total animals with tissue examined microscopically; Total animals with tumor
 + ..Tissue examined microscopically
 X ..Lesion present
 I ..Insufficient tissue
 M ..Missing tissue
 A ..Autolysis precludes evaluation
 BLANK ..Not examined microscopically

Experiment Number: 99930-93
 Test Type: SPECIAL STUDY
 Route: DOSED FEED
 Species/Strain: Rat/CD

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)
 Test Compound: Endocrine disruptor (Genistein)
 CAS Number: 446-72-0

Date Report Requested: 10/17/2014
 Time Report Requested: 12:51:55
 First Dose M/F: NA / NA
 Lab: NCTR

**CD Rat Male
 F3 OPPM**

DAY ON TEST	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	
	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	
	4	4	4	4	5	5	5	5	5	5	5	5	5	5	5	5	5	6	6	6	
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
	0	1	1	2	0	0	0	0	1	1	1	1	1	1	1	1	2	1	1	1	
	4	7	7	0	4	4	7	9	9	3	3	3	3	3	3	9	0	5	7	7	
	7	7	8	0	4	5	2	8	9	0	1	2	3	4	5	6	9	9	4	5	6
	*TOTALS																				

NONE																					
Genital System																					
Coagulating Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	44
Epididymis	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Preputial Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
Prostate													+			+					6
Prostate, Dorsal Lobe	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	51
Prostate, Ventral Lobe	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
Rete Testes	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	47
Seminal Vesicle	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	43
Testes	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Interstit Cell, Adenoma																					1
Seminoma Benign														X							1
Hematopoietic System																					
Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
Lymph Node			+		+		+									+				+	13
Lymph Node, Mandibular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
Fibrous Histiocytoma, Metastatic, Uncertain Primary Site																					1
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	45
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Sarcoma																				X	1

* ..Total animals with tissue examined microscopically; Total animals with tumor
 + ..Tissue examined microscopically
 X ..Lesion present
 I ..Insufficient tissue
 M ..Missing tissue
 A ..Autolysis precludes evaluation
 BLANK ..Not examined microscopically

Experiment Number: 99930-93
 Test Type: SPECIAL STUDY
 Route: DOSED FEED
 Species/Strain: Rat/CD

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)
 Test Compound: Endocrine disruptor (Genistein)
 CAS Number: 446-72-0

Date Report Requested: 10/17/2014
 Time Report Requested: 12:51:55
 First Dose M/F: NA / NA
 Lab: NCTR

**CD Rat Male
 F3 0PPM**

DAY ON TEST	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ANIMAL ID	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
	4	4	4	4	5	5	5	5	5	5	5	5	5	5	5	5	5	6	6	6
Thymus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Adventitia, Fibrous Histiocytoma, Metastatic, Uncertain Primary Site	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Integumentary System	0	1	1	2	0	0	0	0	1	1	1	1	1	1	1	1	2	1	1	1
Mammary Gland	4	7	7	0	4	4	7	9	3	3	3	3	3	3	3	9	0	5	7	7
Skin	7	7	8	0	4	5	2	8	9	0	1	2	3	4	5	6	9	4	5	6
Keratoacanthoma																				X
Schwannoma Malignant																				
Squamous Cell Carcinoma																				
Musculoskeletal System																				
Bone, Cranium																				+
Bone, Femur	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Skeletal Muscle																				
Fibrous Histiocytoma, Metastatic, Uncertain Primary Site																				
Nervous System																				
Brain, Brain Stem	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Brain, Cerebellum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Astrocytoma Malignant																				
Brain, Cerebrum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Astrocytoma Malignant																				X
*TOTALS																				

* ..Total animals with tissue examined microscopically; Total animals with tumor
 + ..Tissue examined microscopically
 X ..Lesion present
 I ..Insufficient tissue

M ..Missing tissue
 A ..Autolysis precludes evaluation
 BLANK ..Not examined microscopically

Experiment Number: 99930-93
 Test Type: SPECIAL STUDY
 Route: DOSED FEED
 Species/Strain: Rat/CD

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)
 Test Compound: Endocrine disruptor (Genistein)
 CAS Number: 446-72-0

Date Report Requested: 10/17/2014
 Time Report Requested: 12:51:56
 First Dose M/F: NA / NA
 Lab: NCTR

**CD Rat Male
 F3 0PPM**

DAY ON TEST	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	
	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	
	4	4	4	4	5	5	5	5	5	5	5	5	5	5	5	5	5	6	6	6	
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
	0	1	1	2	0	0	0	0	1	1	1	1	1	1	1	1	2	1	1	1	
	4	7	7	0	4	4	7	9	9	3	3	3	3	3	3	9	0	5	7	7	
	7	7	8	0	4	5	2	8	9	0	1	2	3	4	5	6	9	9	4	5	6
	*TOTALS																				

Respiratory System

Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
Fibrous Histiocytoma, Metastatic, Uncertain Primary Site																					1
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	46
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	45
Adventitia, Fibrous Histiocytoma, Metastatic, Uncertain Primary Site																					1

Special Senses System

Eye	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	37
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	38

Urinary System

Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	46
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	45

SYSTEMIC LESIONS

Multiple Organ	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	52
Leukemia																					1
Lymphoma Malignant																					2

* ..Total animals with tissue examined microscopically; Total animals with tumor
 + ..Tissue examined microscopically
 X ..Lesion present
 I ..Insufficient tissue

M ..Missing tissue
 A ..Autolysis precludes evaluation
 BLANK ..Not examined microscopically

Experiment Number: 99930-93

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Date Report Requested: 10/17/2014

Test Type: SPECIAL STUDY

Test Compound: Endocrine disruptor (Genistein)

Time Report Requested: 12:51:57

Route: DOSED FEED

CAS Number: 446-72-0

First Dose M/F: NA / NA

Species/Strain: Rat/CD

Lab: NCTR

CD Rat Male F3 5PPM TO CTL	DAY ON TEST																											
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2	5	5	5	5	6	6	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
ANIMAL ID	ANIMAL ID																											
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5	2	0	7	3	7	4	0	0	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	4	4	4	4
Lung	A	A	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Adenocarcinoma																												X
Carcinoma, Metastatic, Uncertain Primary																												X
Site																												
Nose	+	A	A	A	+	A	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Squamous Cell Carcinoma																												
Trachea	A	A	A	A	+	A	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Special Senses System																												
Eye					A		A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Retrolbulbar, Carcinoma																												X
Harderian Gland								+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lacrimal Gland																												+
Urinary System																												
Kidney	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Urethra																												+
Urinary Bladder	A	+	A	A	A	+	A	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	
SYSTEMIC LESIONS																												
Multiple Organ	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Mesothelioma Malignant																												X

* ..Total animals with tissue examined microscopically; Total animals with tumor
 + ..Tissue examined microscopically
 X ..Lesion present
 I ..Insufficient tissue

M ..Missing tissue
 A ..Autolysis precludes evaluation
 BLANK ..Not examined microscopically

Experiment Number: 99930-93
 Test Type: SPECIAL STUDY
 Route: DOSED FEED
 Species/Strain: Rat/CD

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)
 Test Compound: Endocrine disruptor (Genistein)
 CAS Number: 446-72-0

Date Report Requested: 10/17/2014
 Time Report Requested: 12:51:57
 First Dose M/F: NA / NA
 Lab: NCTR

CD Rat Male
 F3 5PPM TO CTL

DAY ON TEST	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	0
	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	8
	4	4	4	4	4	4	4	4	5	5	5	5	5	5	5	5	5	5	4
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0
	0	0	1	1	1	2	2	2	0	0	0	1	1	1	1	1	1	2	0
	7	7	4	4	8	0	0	0	4	4	7	0	3	3	3	4	8	0	2
	7	8	1	2	4	2	3	4	8	9	3	0	7	8	9	0	3	1	0
	*TOTALS																		

Alimentary System

Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	43
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	43
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	42
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	43
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	42
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	43
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	47
Hepatocellular Carcinoma																				1
Mesentery																				1
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	47
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	47
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	45
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	43

Cardiovascular System

Blood Vessel	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48

Endocrine System

Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	47
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	46

* ..Total animals with tissue examined microscopically; Total animals with tumor
 + ..Tissue examined microscopically
 X ..Lesion present
 I ..Insufficient tissue

M ..Missing tissue
 A ..Autolysis precludes evaluation
 BLANK ..Not examined microscopically

Experiment Number: 99930-93
 Test Type: SPECIAL STUDY
 Route: DOSED FEED
 Species/Strain: Rat/CD

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)
 Test Compound: Endocrine disruptor (Genistein)
 CAS Number: 446-72-0

Date Report Requested: 10/17/2014
 Time Report Requested: 12:51:57
 First Dose M/F: NA / NA
 Lab: NCTR

**CD Rat Male
 F3 5PPM TO CTL**

DAY ON TEST	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
ANIMAL ID	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	0			
	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	8			
	4	4	4	4	4	4	4	4	5	5	5	5	5	5	5	5	5	5	4			
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0			
	0	0	1	1	1	2	2	2	0	0	0	1	1	1	1	1	1	2	0			
	7	7	4	4	8	0	0	0	4	4	7	0	3	3	3	4	8	0	2			
	7	8	1	2	4	2	3	4	8	9	3	0	7	8	9	0	3	1	0			
																			*TOTALS			
Pheochromocytoma Benign											X								X	3		
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			
Adenoma	X							X						X								3
Parathyroid Gland	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	M			
Pituitary Gland	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			
Pars Distalis, Adenoma	X	X	X				X	X	X					X	X	X					18	
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			
General Body System																						
Tissue NOS				+																1		
Abdominal, Sarcoma				X																1		
Genital System																						
Coagulating Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			
Epididymis	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			
Preputial Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			
Prostate	+	+																	+	8		
Prostate, Dorsal Lobe	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			
Prostate, Ventral Lobe	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			
Rete Testes	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+			
Seminal Vesicle	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			
Testes	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			
Interstitial Cell, Adenoma								X												1		

* ..Total animals with tissue examined microscopically; Total animals with tumor
 + ..Tissue examined microscopically
 X ..Lesion present
 I ..Insufficient tissue

M ..Missing tissue
 A ..Autolysis precludes evaluation
 BLANK ..Not examined microscopically

Experiment Number: 99930-93
 Test Type: SPECIAL STUDY
 Route: DOSED FEED
 Species/Strain: Rat/CD

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)
 Test Compound: Endocrine disruptor (Genistein)
 CAS Number: 446-72-0

Date Report Requested: 10/17/2014
 Time Report Requested: 12:51:57
 First Dose M/F: NA / NA
 Lab: NCTR

**CD Rat Male
 F3 5PPM TO CTL**

DAY ON TEST	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	0
	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	8
	4	4	4	4	4	4	4	4	5	5	5	5	5	5	5	5	5	5	4
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0
	0	0	1	1	1	2	2	2	0	0	0	1	1	1	1	1	1	2	0
	7	7	4	4	8	0	0	0	4	4	7	0	3	3	3	4	8	0	2
	7	8	1	2	4	2	3	4	8	9	3	0	7	8	9	0	3	1	0
	*TOTALS																		

Hematopoietic System

Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
Lymph Node		+	+				+					+	+							9
Lymph Node, Mandibular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	46
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Sarcoma																		X		1
Thymus	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	45

Integumentary System

Mammary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	I	43
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Fibroma																				1

Musculoskeletal System

Bone, Femur	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
-------------	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	----

Nervous System

Brain, Brain Stem	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	46
Brain, Cerebellum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	46
Brain, Cerebrum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	46
Astrocytoma Malignant																				1

Respiratory System

* ..Total animals with tissue examined microscopically; Total animals with tumor
 + ..Tissue examined microscopically
 X ..Lesion present
 I ..Insufficient tissue

M ..Missing tissue
 A ..Autolysis precludes evaluation
 BLANK ..Not examined microscopically

Experiment Number: 99930-93
 Test Type: SPECIAL STUDY
 Route: DOSED FEED
 Species/Strain: Rat/CD

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)
 Test Compound: Endocrine disruptor (Genistein)
 CAS Number: 446-72-0

Date Report Requested: 10/17/2014
 Time Report Requested: 12:51:57
 First Dose M/F: NA / NA
 Lab: NCTR

CD Rat Male
F3 5PPM TO CTL

	DAY ON TEST																		
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
ANIMAL ID	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	0	
	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	8	
	4	4	4	4	4	4	4	4	5	5	5	5	5	5	5	5	5	4	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	
	0	0	1	1	1	2	2	2	0	0	0	1	1	1	1	1	2	0	
	7	7	4	4	8	0	0	0	4	4	7	0	3	3	3	4	8	0	
	7	8	1	2	4	2	3	4	8	9	3	0	7	8	9	0	3	0	
	*TOTALS																		
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	47
Adenocarcinoma																			1
Carcinoma, Metastatic, Uncertain Primary																			1
Site																			
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	45
Squamous Cell Carcinoma								X											1
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	44
Special Senses System																			
Eye	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	43
Retrobulbar, Carcinoma																			1
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	43
Lacrimal Gland				+															2
Urinary System																			
Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Urethra	+																		2
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	43
SYSTEMIC LESIONS																			
Multiple Organ	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Mesothelioma Malignant																			1

* ..Total animals with tissue examined microscopically; Total animals with tumor
 + ..Tissue examined microscopically
 X ..Lesion present
 I ..Insufficient tissue

M ..Missing tissue
 A ..Autolysis precludes evaluation
 BLANK ..Not examined microscopically

Experiment Number: 99930-93
 Test Type: SPECIAL STUDY
 Route: DOSED FEED
 Species/Strain: Rat/CD

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)
 Test Compound: Endocrine disruptor (Genistein)
 CAS Number: 446-72-0

Date Report Requested: 10/17/2014
 Time Report Requested: 12:51:58
 First Dose M/F: NA / NA
 Lab: NCTR

**CD Rat Male
 F3 100PPM TO CTL**

	DAY ON TEST																													
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
ANIMAL ID	3	0	5	5	5	5	5	5	6	6	6	6	6	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	
	8	1	7	4	5	5	7	9	4	5	6	6	8	8	0	1	3	5	5	5	5	5	5	5	5	5	5	5	5	5
Prostate, Ventral Lobe Adenoma	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Rete Testes	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	0
Seminal Vesicle Adenoma	0	0	1	2	2	2	2	2	3	3	4	4	4	4	7	9	9	9	9	9	9	9	0	0	0	0	0	0	0	9
Sarcoma	8	1	8	0	0	1	2	7	6	8	0	0	4	3	8	3	4	8	8	8	9	9	0	0	0	0	0	0	0	9
Sarcoma, Metastatic, Uncertain Primary Site	9	6	8	3	7	4	8	9	7	6	3	2	0	7	1	4	6	3	4	5	7	8	9	0	1	2	3	4	5	6
Testes	+	M	+	+	+	+		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Hematopoietic System																														
Bone Marrow	+	A	+	+	+	+		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Lymph Node								+									+	+	+		+	+	+				+		+	
Lymph Node, Mandibular	+	M	+	+	+	+		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Lymph Node, Mesenteric	+	A	+	+	A	+		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Spleen	+	A	+	+	+	+		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Thymus	+	M	+	+	+	+		+	+	+	+	+	M	+	+	M	+	M	+	+	+	+	+	+	+	+	+	+	+	
Integumentary System																														
Mammary Gland Adenocarcinoma	+	A	+	+	A	I		+	M	I	+	I	+	+	I	+	+	+	+	+	+	I	+	+	+	+	+	+	+	
Skin Lipoma	+	A	+	+	+	+		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Squamous Cell Carcinoma										X								X												

* ..Total animals with tissue examined microscopically; Total animals with tumor
 + ..Tissue examined microscopically
 X ..Lesion present
 I ..Insufficient tissue
 M ..Missing tissue
 A ..Autolysis precludes evaluation
 BLANK ..Not examined microscopically

Experiment Number: 99930-93
 Test Type: SPECIAL STUDY
 Route: DOSED FEED
 Species/Strain: Rat/CD

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)
 Test Compound: Endocrine disruptor (Genistein)
 CAS Number: 446-72-0

Date Report Requested: 10/17/2014
 Time Report Requested: 12:51:58
 First Dose M/F: NA / NA
 Lab: NCTR

CD Rat Male
F3 100PPM TO CTL

DAY ON TEST	ANIMAL ID																													
	038	035	052	054	055	055	057	094	054	056	066	068	088	080	013	053	055	055	055	055	055	055	055	055	055	055	055	055	055	055
Urinary Bladder	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SYSTEMIC LESIONS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Multiple Organ	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Histiocytic Sarcoma	0	0	1	2	2	2	2	2	3	3	4	4	4	4	7	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
Leukemia Mononuclear	8	1	8	0	0	1	2	7	6	8	0	0	4	3	8	3	4	8	8	8	9	9	9	0	0	0	0	0	0	0
	9	6	8	3	7	4	8	9	7	6	3	2	4	7	1	4	6	3	4	5	7	8	9	0	1	2	3	4	5	6
	+	M	+	+	+	+		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
	+	+	+	+	+	+		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

* ..Total animals with tissue examined microscopically; Total animals with tumor
 + ..Tissue examined microscopically
 X ..Lesion present
 I ..Insufficient tissue
 M ..Missing tissue
 A ..Autolysis precludes evaluation
 BLANK ..Not examined microscopically

Experiment Number: 99930-93
 Test Type: SPECIAL STUDY
 Route: DOSED FEED
 Species/Strain: Rat/CD

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)
 Test Compound: Endocrine disruptor (Genistein)
 CAS Number: 446-72-0

Date Report Requested: 10/17/2014
 Time Report Requested: 12:51:58
 First Dose M/F: NA / NA
 Lab: NCTR

CD Rat Male
 F3 100PPM TO CTL

DAY ON TEST	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
	4	4	4	4	5	5	5	5	5	5	5	5	5	5	5	6	6	6
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	0	0	0	1	0	0	0	0	0	0	1	1	1	1	1	1	1	2
	6	6	6	8	5	5	5	7	8	8	8	8	4	4	4	4	8	1
	6	7	8	6	4	5	6	9	0	1	3	6	4	5	6	7	3	5
	*TOTALS																	

Alimentary System

Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	46
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	46
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	38
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	46
Intestine Small, Ileum	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	45
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	45
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	47
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
Acinar Cell, Adenoma	X																		2
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	47
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	46
Tongue																			1

Cardiovascular System

Blood Vessel	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49

Endocrine System

Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	47
Adenoma																			1

* ..Total animals with tissue examined microscopically; Total animals with tumor
 + ..Tissue examined microscopically
 X ..Lesion present
 I ..Insufficient tissue

M ..Missing tissue
 A ..Autolysis precludes evaluation
 BLANK ..Not examined microscopically

Experiment Number: 99930-93
 Test Type: SPECIAL STUDY
 Route: DOSED FEED
 Species/Strain: Rat/CD

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)
 Test Compound: Endocrine disruptor (Genistein)
 CAS Number: 446-72-0

Date Report Requested: 10/17/2014
 Time Report Requested: 12:51:58
 First Dose M/F: NA / NA
 Lab: NCTR

**CD Rat Male
 F3 100PPM TO CTL**

DAY ON TEST	ANIMAL ID																		*TOTALS
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	
	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	
	4	4	4	4	5	5	5	5	5	5	5	5	5	5	5	5	6	6	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	1	1	2	
	6	6	6	8	5	5	5	7	8	8	8	4	4	4	4	4	8	1	
	6	7	8	6	4	5	6	9	0	1	3	6	4	5	6	7	3	5	
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Pheochromocytoma Benign											X								
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Adenoma																	X		
Carcinoma																		X	
Parathyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Adenoma									X										
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	
Pars Distalis, Adenoma			X			X		X	X			X				X	X		
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
General Body System																			
NONE																			
Genital System																			
Coagulating Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Sarcoma, Metastatic, Uncertain Primary Site							X												
Epididymis	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Preputial Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Carcinoma																			
Squamous Cell Carcinoma											X								
Prostate										+	+							+	
Prostate, Dorsal Lobe	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Sarcoma, Metastatic, Uncertain Primary Site							X												

* ..Total animals with tissue examined microscopically; Total animals with tumor
 + ..Tissue examined microscopically
 X ..Lesion present
 I ..Insufficient tissue

M ..Missing tissue
 A ..Autolysis precludes evaluation
 BLANK ..Not examined microscopically

Experiment Number: 99930-93
 Test Type: SPECIAL STUDY
 Route: DOSED FEED
 Species/Strain: Rat/CD

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)
 Test Compound: Endocrine disruptor (Genistein)
 CAS Number: 446-72-0

Date Report Requested: 10/17/2014
 Time Report Requested: 12:51:59
 First Dose M/F: NA / NA
 Lab: NCTR

**CD Rat Male
 F3 100PPM TO CTL**

	DAY ON TEST																		*TOTALS
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
ANIMAL ID	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	
	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	
	4	4	4	4	5	5	5	5	5	5	5	5	5	5	5	6	6	6	
Prostate, Ventral Lobe	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Adenoma	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
Rete Testes	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	1	1	2	
Seminal Vesicle	6	6	6	8	5	5	5	7	8	8	8	8	4	4	4	4	8	1	
Adenoma	6	7	8	6	4	5	5	9	0	1	3	6	4	5	6	7	3	5	
Sarcoma																			
Sarcoma, Metastatic, Uncertain Primary Site																			
Testes	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Hematopoietic System																			
Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Lymph Node		+	+			+			+					+			+	+	
Lymph Node, Mandibular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Thymus	+	I	+	+	+	+	I	+	+	+	+	+	+	I	+	+	+	+	
Integumentary System																			
Mammary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Adenocarcinoma																			
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Lipoma																			
Squamous Cell Carcinoma																			

* ..Total animals with tissue examined microscopically; Total animals with tumor
 + ..Tissue examined microscopically
 X ..Lesion present
 I ..Insufficient tissue

M ..Missing tissue
 A ..Autolysis precludes evaluation
 BLANK ..Not examined microscopically

Experiment Number: 99930-93
 Test Type: SPECIAL STUDY
 Route: DOSED FEED
 Species/Strain: Rat/CD

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)
 Test Compound: Endocrine disruptor (Genistein)
 CAS Number: 446-72-0

Date Report Requested: 10/17/2014
 Time Report Requested: 12:51:59
 First Dose M/F: NA / NA
 Lab: NCTR

**CD Rat Male
 F3 100PPM TO CTL**

DAY ON TEST	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
	4	4	4	4	5	5	5	5	5	5	5	5	5	5	5	6	6	6
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	0	0	0	1	0	0	0	0	0	0	1	1	1	1	1	1	2	
	6	6	6	8	5	5	5	7	8	8	8	8	4	4	4	4	8	1
	6	7	8	6	4	5	6	9	0	1	3	6	4	5	6	7	3	5
	*TOTALS																	

Musculoskeletal System

Bone, Femur + + + + + + + + + + + + + + + + + + 48

Nervous System

Brain, Brain Stem + + + + + + + + + + + + + + + + + + 48

Brain, Cerebellum + + + + + + + + + + + + + + + + + + 48

Brain, Cerebrum + + + + + + + + + + + + + + + + + + 48

Respiratory System

Lung + + + + + + + + + + + + + + + + + + 47

Nose + + + + + + + + + + + + + + + + + + 49

Squamous Cell Carcinoma 1

Trachea + + + + + + + + + + + + + + + + + + 48

Special Senses System

Eye + + + + + + + + + + + + + + + + + + 38

Harderian Gland + + + + + + + + + + + + + + + + + + 38

Lacrimal Gland 2

Zymbal's Gland 1

Adenoma 1

Urinary System

Kidney + + + + + + + + + + + + + + + + + + 47

Urethra 2

* ..Total animals with tissue examined microscopically; Total animals with tumor
 + ..Tissue examined microscopically
 X ..Lesion present
 I ..Insufficient tissue

M ..Missing tissue
 A ..Autolysis precludes evaluation
 BLANK ..Not examined microscopically

Experiment Number: 99930-93
 Test Type: SPECIAL STUDY
 Route: DOSED FEED
 Species/Strain: Rat/CD

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)
 Test Compound: Endocrine disruptor (Genistein)
 CAS Number: 446-72-0

Date Report Requested: 10/17/2014
 Time Report Requested: 12:52:00
 First Dose M/F: NA / NA
 Lab: NCTR

**CD Rat Male
 F3 500PPM TO CTL**

DAY ON TEST	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	0
	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	7
	4	4	4	4	4	4	5	5	5	5	5	5	5	5	5	5	5	9
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0
	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	0
	6	6	8	8	8	5	0	0	4	4	5	5	5	8	8	8	9	1
	1	9	2	4	5	3	1	2	8	9	0	1	2	7	8	9	0	9
	*TOTALS																	

Alimentary System

Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	45
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	45
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	38
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	43
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	43
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	41
Adenocarcinoma																			1
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
Carcinoma, Metastatic, Pancreas																			1
Hepatocellular Adenoma											X								1
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	47
Carcinoma																			1
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
Carcinoma, Metastatic, Pancreas																			1
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	47
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	46

Cardiovascular System

Blood Vessel	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	47
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	47

* ..Total animals with tissue examined microscopically; Total animals with tumor
 + ..Tissue examined microscopically
 X ..Lesion present
 I ..Insufficient tissue

M ..Missing tissue
 A ..Autolysis precludes evaluation
 BLANK ..Not examined microscopically

Experiment Number: 99930-93
 Test Type: SPECIAL STUDY
 Route: DOSED FEED
 Species/Strain: Rat/CD

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)
 Test Compound: Endocrine disruptor (Genistein)
 CAS Number: 446-72-0

Date Report Requested: 10/17/2014
 Time Report Requested: 12:52:00
 First Dose M/F: NA / NA
 Lab: NCTR

**CD Rat Male
 F3 500PPM TO CTL**

DAY ON TEST	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	0
	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	7
	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	9
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0
	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	0
	6	6	8	8	8	5	0	0	4	4	5	5	5	8	8	8	9	9	1
	1	9	2	4	5	3	1	2	8	9	0	1	2	8	9	0	1	1	9
	*TOTALS																		

Endocrine System

Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	47
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	45
Pheochromocytoma Benign										X										2
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
Parathyroid Gland	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	43
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
Pars Distalis, Adenoma				X		X	X		X			X		X	X					14
Pars Distalis, Adenoma, Multiple										X										1
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	45
C Cell, Adenoma									X											1
C Cell, Carcinoma																				1

General Body System

Tissue NOS																				2
Squamous Cell Carcinoma																				1

Genital System

Coagulating Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	45
Epididymis	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	47
Preputial Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	47
Squamous Cell Carcinoma							X					X								3
Prostate																			+	4

* ..Total animals with tissue examined microscopically; Total animals with tumor
 + ..Tissue examined microscopically
 X ..Lesion present
 I ..Insufficient tissue

M ..Missing tissue
 A ..Autolysis precludes evaluation
 BLANK ..Not examined microscopically

Experiment Number: 99930-93
 Test Type: SPECIAL STUDY
 Route: DOSED FEED
 Species/Strain: Rat/CD

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)
 Test Compound: Endocrine disruptor (Genistein)
 CAS Number: 446-72-0

Date Report Requested: 10/17/2014
 Time Report Requested: 12:52:00
 First Dose M/F: NA / NA
 Lab: NCTR

**CD Rat Male
 F3 500PPM TO CTL**

	DAY ON TEST																		*TOTALS
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
ANIMAL ID	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	0	
	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	7	
	4	4	4	4	4	4	5	5	5	5	5	5	5	5	5	5	5	9	
Prostate, Dorsal Lobe	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Adenocarcinoma	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	
Prostate, Ventral Lobe	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	0	
Adenoma	6	6	8	8	8	5	0	0	4	4	5	5	5	8	8	8	9	1	
Rete Testes	1	9	2	4	5	3	1	2	8	9	0	1	2	7	8	9	0	9	
Seminal Vesicle	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Testes	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Hematopoietic System																			
Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Carcinoma, Metastatic, Pancreas																			
Lymph Node		+			+		+	+									+		
Lumbar, Squamous Cell Carcinoma, Metastatic, Preputial Gland									X										
Lymph Node, Mandibular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Carcinoma, Metastatic, Pancreas																			
Thymus	+	+	+	+	+	+	+	M	+	+	M	+	+	+	I	+	+	+	
Integumentary System																			
Mammary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Fibroadenoma	X			X															
Fibroma									X					X					

* ..Total animals with tissue examined microscopically; Total animals with tumor
 + ..Tissue examined microscopically
 X ..Lesion present
 I ..Insufficient tissue

M ..Missing tissue
 A ..Autolysis precludes evaluation
 BLANK ..Not examined microscopically

Experiment Number: 99930-93

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Date Report Requested: 10/17/2014

Test Type: SPECIAL STUDY

Test Compound: Endocrine disruptor (Genistein)

Time Report Requested: 12:52:01

Route: DOSED FEED

CAS Number: 446-72-0

First Dose M/F: NA / NA

Species/Strain: Rat/CD

Lab: NCTR

CD Rat Male
F3 500PPM TO CTL

DAY ON TEST	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ANIMAL ID	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	0
	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	7
	4	4	4	4	4	4	5	5	5	5	5	5	5	5	5	5	5	5	9
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0
	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	0
	6	6	8	8	8	5	0	0	4	4	5	5	5	8	8	8	9	9	1
	1	9	2	4	5	3	1	2	8	9	0	1	2	7	8	9	0	1	9
	*TOTALS																		
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Basal Cell Adenoma	X																		
Keratoacanthoma																			
Neurofibrosarcoma																			
Squamous Cell Papilloma	X																		
Musculoskeletal System																			
Bone																			1
Chordoma																			1
Bone, Femur	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Skeletal Muscle																			1
Carcinoma, Metastatic, Pancreas																			1
Nervous System																			
Brain, Brain Stem	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Reticulosis Malignant																			1
Brain, Cerebellum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Reticulosis Malignant																			1
Brain, Cerebrum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Reticulosis Malignant																			1
Respiratory System																			
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Carcinoma, Metastatic, Pancreas																			1

* ..Total animals with tissue examined microscopically; Total animals with tumor
+ ..Tissue examined microscopically
X ..Lesion present
I ..Insufficient tissue

M ..Missing tissue
A ..Autolysis precludes evaluation
BLANK ..Not examined microscopically

Experiment Number: 99930-93
 Test Type: SPECIAL STUDY
 Route: DOSED FEED
 Species/Strain: Rat/CD

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)
 Test Compound: Endocrine disruptor (Genistein)
 CAS Number: 446-72-0

Date Report Requested: 10/17/2014
 Time Report Requested: 12:52:01
 First Dose M/F: NA / NA
 Lab: NCTR

**CD Rat Male
 F3 500PPM TO CTL**

	DAY ON TEST																		*TOTALS
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	0	
	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	7	
	4	4	4	4	4	4	5	5	5	5	5	5	5	5	5	5	5	9	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	
	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	0	
	6	6	8	8	8	5	0	0	4	4	5	5	5	8	8	8	9	1	
	1	9	2	4	5	3	1	2	8	9	0	1	2	7	8	9	0	9	
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	45
Adventitia, Squamous Cell Carcinoma																			1
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	44
Special Senses System																			
Eye	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	39
Adventitia, Squamous Cell Carcinoma																			1
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	39
Adenoma																			1
Adventitia, Squamous Cell Carcinoma																			1
Lacrimal Gland																			1
Urinary System																			
Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	47
Adventitia, Carcinoma, Metastatic, Pancreas																			1
Transit Epithe, Papilloma																			1
Urethra																			1
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	46
SYSTEMIC LESIONS																			
Multiple Organ	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Leukemia Granulocytic																			1
Mesothelioma Malignant																			1

END OF MALE DATA

* ..Total animals with tissue examined microscopically; Total animals with tumor
 + ..Tissue examined microscopically
 X ..Lesion present
 I ..Insufficient tissue

M ..Missing tissue
 A ..Autolysis precludes evaluation
 BLANK ..Not examined microscopically

Experiment Number: 99930-93

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Date Report Requested: 10/17/2014

Test Type: SPECIAL STUDY

Test Compound: Endocrine disruptor (Genistein)

Time Report Requested: 12:52:01

Route: DOSED FEED

CAS Number: 446-72-0

First Dose M/F: NA / NA

Species/Strain: Rat/CD

Lab: NCTR

CD Rat Female F3 0 PPM	DAY ON TEST	ANIMAL ID																											
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		4	4	5	5	5	5	6	6	6	6	6	6	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
		8	8	0	8	8	9	1	1	3	5	6	7	9	0	0	0	2	3	3	5	5	5	5	5	5	5	5	5
		6	9	0	4	4	0	2	3	0	8	1	7	5	1	6	7	8	5	4	4	0	1	1	2	2	2	3	4
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		1	1	1	2	2	2	3	3	3	3	3	4	6	7	8	8	8	8	9	9	9	9	9	9	9	9	9	9
		4	3	5	5	5	7	0	1	4	9	9	3	6	8	2	2	2	3	4	4	5	5	5	1	1	6	6	
		0	5	0	1	2	1	1	0	1	0	3	1	1	0	2	8	7	6	2	4	2	0	1	4	5	4	3	2

Alimentary System

Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Rectum																													
Intestine Small, Duodenum	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Small, Ileum	+	A	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Small, Jejunum	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Fibrous Histiocytoma, Metastatic, Skin																													
Oral Mucosa																													
Sarcoma																													
Pancreas	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

Cardiovascular System

Blood Vessel	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

Endocrine System

Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
----------------	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

* ..Total animals with tissue examined microscopically; Total animals with tumor

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

Experiment Number: 99930-93
 Test Type: SPECIAL STUDY
 Route: DOSED FEED
 Species/Strain: Rat/CD

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)
 Test Compound: Endocrine disruptor (Genistein)
 CAS Number: 446-72-0

Date Report Requested: 10/17/2014
 Time Report Requested: 12:52:02
 First Dose M/F: NA / NA
 Lab: NCTR

CD Rat Female
 F3 0 PPM

DAY ON TEST	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4	4	5	5	5	5	6	6	6	6	6	6	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
	8	8	0	8	8	9	1	1	3	5	6	7	9	0	0	0	0	2	3	3	5	5	5	5	5	5	5	5	5	5
	6	9	0	4	4	0	2	3	0	8	1	7	5	1	6	7	8	5	4	4	0	1	1	2	2	2	3	4	4	4
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1
	1	1	1	2	2	2	3	3	3	3	3	4	6	7	8	8	8	9	9	9	9	9	9	0	0	1	1	0	0	0
	4	3	5	5	5	7	0	1	4	9	9	3	6	8	2	2	2	3	4	4	5	5	5	1	1	6	6	3	3	8
	0	5	0	1	2	1	1	0	1	0	3	1	1	0	2	8	7	6	2	4	2	0	1	4	5	4	3	2	3	8

Hematopoietic System

Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymph Node																														
Inguinal, Sarcoma, Metastatic, Skin																														
Lumbar, Fibrous Histiocytoma, Metastatic, Skin																														
Popliteal, Sarcoma, Metastatic, Skin																														
Sarcoma, Metastatic, Skin																														
Lymph Node, Mandibular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Thymus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Sarcoma																														
Thymoma Malignant																														

Integumentary System

Mammary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Adenocarcinoma																														
Adenocarcinoma, Multiple																														
Fibroadenoma																														
Fibroadenoma, Multiple																														
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Fibrous Histiocytoma																														

* ..Total animals with tissue examined microscopically; Total animals with tumor
 + ..Tissue examined microscopically
 X ..Lesion present
 I ..Insufficient tissue
 M ..Missing tissue
 A ..Autolysis precludes evaluation
 BLANK ..Not examined microscopically

Experiment Number: 99930-93
 Test Type: SPECIAL STUDY
 Route: DOSED FEED
 Species/Strain: Rat/CD

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)
 Test Compound: Endocrine disruptor (Genistein)
 CAS Number: 446-72-0

Date Report Requested: 10/17/2014
 Time Report Requested: 12:52:02
 First Dose M/F: NA / NA
 Lab: NCTR

**CD Rat Female
 F3 0 PPM**

DAY ON TEST	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
	4	4	4	4	5	5	5	5	5	5	5	5	5	5	5	5	5	5	6	6	6	6
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	1	1	1	1	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	6	6	6	9	3	7	7	0	0	0	0	0	1	1	1	1	9	9	5	5	5	5
	0	1	2	6	1	0	1	3	4	5	8	9	0	1	2	3	4	5	6	7	8	9
	*TOTALS																					

Alimentary System

Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	53
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	52
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	53
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	42
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	52
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	51
Intestine Small, Jejunum	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	51
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	53
Fibrous Histiocytoma, Metastatic, Skin																						1
Oral Mucosa																						1
Sarcoma																						1
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	52
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	53
Stomach, Forestomach	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	52
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	53

Cardiovascular System

Blood Vessel	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	53
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	53

Endocrine System

Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	53
----------------	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	----

* ..Total animals with tissue examined microscopically; Total animals with tumor
 + ..Tissue examined microscopically
 X ..Lesion present
 I ..Insufficient tissue

M ..Missing tissue
 A ..Autolysis precludes evaluation
 BLANK ..Not examined microscopically

Experiment Number: 99930-93
 Test Type: SPECIAL STUDY
 Route: DOSED FEED
 Species/Strain: Rat/CD

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)
 Test Compound: Endocrine disruptor (Genistein)
 CAS Number: 446-72-0

Date Report Requested: 10/17/2014
 Time Report Requested: 12:52:02
 First Dose M/F: NA / NA
 Lab: NCTR

**CD Rat Female
 F3 0 PPM**

DAY ON TEST	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ANIMAL ID	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
	4	4	4	4	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	1	1	1	1	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	6	6	6	9	3	7	7	0	0	0	0	0	1	1	1	1	9	9	5	5	5	5
	0	1	2	6	1	0	1	3	4	5	8	9	0	1	2	3	4	5	6	7	8	9
	*TOTALS																					
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	53
Pheochromocytoma Benign																						2
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	52
Adenoma																						1
Parathyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	53
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	53
Pars Distalis, Adenoma	X	X	X	X	X	X						X	X	X	X	X	X	X	X	X	X	41
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	53
General Body System																						
NONE																						
Genital System																						
Clitoral Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Adenoma								X									X					2
Fibrous Histiocytoma, Metastatic, Skin																						1
Ovary	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	53
Tubulostromal Carcinoma														X								1
Oviduct	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	53
Uterus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	53
Adenocarcinoma																						1
Polyp Stromal											X											5
Vagina	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	52

* ..Total animals with tissue examined microscopically; Total animals with tumor
 + ..Tissue examined microscopically
 X ..Lesion present
 I ..Insufficient tissue
 M ..Missing tissue
 A ..Autolysis precludes evaluation
 BLANK ..Not examined microscopically

Experiment Number: 99930-93
 Test Type: SPECIAL STUDY
 Route: DOSED FEED
 Species/Strain: Rat/CD

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)
 Test Compound: Endocrine disruptor (Genistein)
 CAS Number: 446-72-0

Date Report Requested: 10/17/2014
 Time Report Requested: 12:52:02
 First Dose M/F: NA / NA
 Lab: NCTR

CD Rat Female
F3 0 PPM

DAY ON TEST	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
	4	4	4	4	5	5	5	5	5	5	5	5	5	5	5	5	5	5	6	6	6	6
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	1	1	1	1	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	6	6	6	9	3	7	7	0	0	0	0	1	1	1	1	9	9	5	5	5	5	5
	0	1	2	6	1	0	1	3	4	5	8	9	0	1	2	3	4	5	6	7	8	9
	*TOTALS																					

Hematopoietic System

Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	53
Lymph Node				+	+			+					+		+	+		+	+	+		18
Inguinal, Sarcoma, Metastatic, Skin																						1
Lumbar, Fibrous Histiocytoma, Metastatic, Skin																						1
Popliteal, Sarcoma, Metastatic, Skin																						1
Sarcoma, Metastatic, Skin																						1
Lymph Node, Mandibular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	53
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	53
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	53
Thymus	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
Sarcoma																						1
Thymoma Malignant												X										1

Integumentary System

Mammary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	53
Adenocarcinoma	X												X									5
Adenocarcinoma, Multiple																						2
Fibroadenoma			X		X		X				X										X	9
Fibroadenoma, Multiple	X		X		X				X	X			X	X	X	X						23
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	53
Fibrous Histiocytoma																						1

* ..Total animals with tissue examined microscopically; Total animals with tumor
 + ..Tissue examined microscopically
 X ..Lesion present
 I ..Insufficient tissue

M ..Missing tissue
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 BLANK ..Not examined microscopically

Experiment Number: 99930-93
 Test Type: SPECIAL STUDY
 Route: DOSED FEED
 Species/Strain: Rat/CD

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)
 Test Compound: Endocrine disruptor (Genistein)
 CAS Number: 446-72-0

Date Report Requested: 10/17/2014
 Time Report Requested: 12:52:03
 First Dose M/F: NA / NA
 Lab: NCTR

CD Rat Female
F3 0 PPM

DAY ON TEST	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
	4	4	4	4	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	6	6	6
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	1	1	1	1	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	6	6	6	9	3	7	7	0	0	0	0	1	1	1	1	9	9	5	5	5	5	5
	0	1	2	6	1	0	1	3	4	5	8	9	0	1	2	3	4	5	6	7	8	9
	*TOTALS																					
Sarcoma	X																					1
Squamous Cell Carcinoma																						1
Musculoskeletal System																						
Bone, Femur	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	53
Bone, Joint																						1
Skeletal Muscle																						1
Nervous System																						
Brain, Brain Stem	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	53
Brain, Cerebellum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	53
Granular Cell Tumor Benign																						1
Brain, Cerebrum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	53
Glioma Malignant, Mixed																						1
Respiratory System																						
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	53
Fibrous Histiocytoma, Metastatic, Skin																						1
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	53
Squamous Cell Carcinoma																						1
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	53
Special Senses System																						
Eye	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	43
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	43

* ..Total animals with tissue examined microscopically; Total animals with tumor
 + ..Tissue examined microscopically
 X ..Lesion present
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 M ..Missing tissue
 A ..Autolysis precludes evaluation
 BLANK ..Not examined microscopically

Experiment Number: 99930-93
 Test Type: SPECIAL STUDY
 Route: DOSED FEED
 Species/Strain: Rat/CD

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Test Compound: Endocrine disruptor (Genistein)
 CAS Number: 446-72-0

Date Report Requested: 10/17/2014
 Time Report Requested: 12:52:03
 First Dose M/F: NA / NA
 Lab: NCTR

**CD Rat Female
 F3 0 PPM**

DAY ON TEST	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
	4	4	4	4	5	5	5	5	5	5	5	5	5	5	5	5	5	5	6	6	6	6
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	1	1	1	1	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	6	6	6	9	3	7	7	0	0	0	0	0	1	1	1	1	9	9	5	5	5	5
	0	1	2	6	1	0	1	3	4	5	8	9	0	1	1	2	3	4	5	6	7	8
	*TOTALS																					
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Urinary System																						
Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Renal Tubule, Adenoma																						
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
SYSTEMIC LESIONS																						
Multiple Organ	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

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 + ..Tissue examined microscopically
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Experiment Number: 99930-93
 Test Type: SPECIAL STUDY
 Route: DOSED FEED
 Species/Strain: Rat/CD

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)
 Test Compound: Endocrine disruptor (Genistein)
 CAS Number: 446-72-0

Date Report Requested: 10/17/2014
 Time Report Requested: 12:52:04
 First Dose M/F: NA / NA
 Lab: NCTR

**CD Rat Female
 F3 5PPM TO CTL**

DAY ON TEST	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	
	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	
	2	4	4	4	4	4	5	5	5	5	5	5	5	5	5	5	5	6	
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	1	1	0	
	1	9	9	1	1	6	3	3	3	3	6	6	6	9	9	9	1	6	
	7	3	4	5	6	6	4	5	6	7	2	3	4	0	1	2	4	5	9
	*TOTALS																		

Alimentary System

Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	40
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	48
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Leiomyosarcoma																		X	1
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Cholangiocarcinoma																			1
Mesentery																			1
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Stomach																		+	1
Stomach, Forestomach	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50

Cardiovascular System

Blood Vessel	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50

Endocrine System

* ..Total animals with tissue examined microscopically; Total animals with tumor
 + ..Tissue examined microscopically
 X ..Lesion present
 I ..Insufficient tissue

M ..Missing tissue
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 BLANK ..Not examined microscopically

Experiment Number: 99930-93
 Test Type: SPECIAL STUDY
 Route: DOSED FEED
 Species/Strain: Rat/CD

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)
 Test Compound: Endocrine disruptor (Genistein)
 CAS Number: 446-72-0

Date Report Requested: 10/17/2014
 Time Report Requested: 12:52:04
 First Dose M/F: NA / NA
 Lab: NCTR

**CD Rat Female
 F3 5PPM TO CTL**

	DAY ON TEST																		*TOTALS
	0 7 5 2	0 7 5 4	0 7 5 4	0 7 5 4	0 7 5 4	0 7 5 4	0 7 5 4	0 7 5 4	0 7 5 4	0 7 5 4	0 7 5 4	0 7 5 4	0 7 5 4	0 7 5 4	0 7 5 4	0 7 5 4	0 7 5 4	0 7 5 6	
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	1	1	0
	1	9	9	1	1	1	6	3	3	3	3	6	6	6	9	9	1	6	8
	7	3	4	5	6	6	4	5	6	7	2	3	4	0	1	2	4	5	9
Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Adenoma																			2
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	46
Pheochromocytoma Benign																			1
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Adenoma	X									X									2
Parathyroid Gland	+	+	+	+	+	+	+	+	+	M	+	M	+	+	+	+	+	+	41
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Pars Distalis, Adenoma	X	X	X				X	X	X	X	X	X	X	X		X	X	X	42
Pars Distalis, Carcinoma																			1
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
C Cell, Adenoma										X									1
C Cell, Carcinoma		X																	1
General Body System																			
NONE																			
Genital System																			
Clitoral Gland	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	47
Ovary	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Oviduct	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Uterus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Leiomyoma																		X	1
Vagina	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49

* ..Total animals with tissue examined microscopically; Total animals with tumor
 + ..Tissue examined microscopically
 X ..Lesion present
 I ..Insufficient tissue

M ..Missing tissue
 A ..Autolysis precludes evaluation
 BLANK ..Not examined microscopically

Experiment Number: 99930-93
 Test Type: SPECIAL STUDY
 Route: DOSED FEED
 Species/Strain: Rat/CD

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)
 Test Compound: Endocrine disruptor (Genistein)
 CAS Number: 446-72-0

Date Report Requested: 10/17/2014
 Time Report Requested: 12:52:04
 First Dose M/F: NA / NA
 Lab: NCTR

**CD Rat Female
 F3 5PPM TO CTL**

DAY ON TEST	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	
	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	
	2	4	4	4	4	4	5	5	5	5	5	5	5	5	5	5	5	6	
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	1	1	0	
	1	9	9	1	1	1	6	3	3	3	6	6	6	9	9	1	6	8	
	7	3	4	5	6	6	4	5	6	7	2	3	4	0	1	2	4	5	9
	*TOTALS																		

Hematopoietic System

Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Lymph Node									+	+							+		9
Lymph Node, Mandibular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Leiomyosarcoma, Metastatic, Intestine Small, Jejunum																		X	1
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Thymus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	45

Integumentary System

Mammary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Adenocarcinoma				X			X												6
Adenocarcinoma, Multiple																			2
Fibroadenoma				X	X														9
Fibroadenoma, Multiple			X			X		X	X						X	X			11
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50

Musculoskeletal System

Bone, Femur	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
-------------	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	----

Nervous System

Brain, Brain Stem	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Brain, Cerebellum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50

* ..Total animals with tissue examined microscopically; Total animals with tumor
 + ..Tissue examined microscopically
 X ..Lesion present
 I ..Insufficient tissue
 M ..Missing tissue
 A ..Autolysis precludes evaluation
 BLANK ..Not examined microscopically

Experiment Number: 99930-93
 Test Type: SPECIAL STUDY
 Route: DOSED FEED
 Species/Strain: Rat/CD

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)
 Test Compound: Endocrine disruptor (Genistein)
 CAS Number: 446-72-0

Date Report Requested: 10/17/2014
 Time Report Requested: 12:52:04
 First Dose M/F: NA / NA
 Lab: NCTR

**CD Rat Female
 F3 5PPM TO CTL**

	DAY ON TEST																		*TOTALS
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
ANIMAL ID	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	
	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	
	2	4	4	4	4	4	5	5	5	5	5	5	5	5	5	5	5	6	
Brain, Cerebrum	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Respiratory System	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
Lung	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	1	1	0	
Nose	1	9	9	1	1	1	6	3	3	3	3	6	6	6	9	9	1	6	
Squamous Cell Carcinoma	7	3	4	5	6	4	5	6	7	2	3	4	0	1	2	4	5	8	
Trachea																			
Special Senses System																			
Eye	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Lacrimal Gland																		1	
Urinary System																			
Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Urinary Bladder	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
SYSTEMIC LESIONS																			
Multiple Organ	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Leukemia Mononuclear								X										1	

* ..Total animals with tissue examined microscopically; Total animals with tumor
 + ..Tissue examined microscopically
 X ..Lesion present
 I ..Insufficient tissue

M ..Missing tissue
 A ..Autolysis precludes evaluation
 BLANK ..Not examined microscopically

Experiment Number: 99930-93
 Test Type: SPECIAL STUDY
 Route: DOSED FEED
 Species/Strain: Rat/CD

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)
 Test Compound: Endocrine disruptor (Genistein)
 CAS Number: 446-72-0

Date Report Requested: 10/17/2014
 Time Report Requested: 12:52:05
 First Dose M/F: NA / NA
 Lab: NCTR

CD Rat Female F3 100PPM TO CTL	DAY ON TEST	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	ANIMAL ID	3	5	5	6	6	6	6	6	6	6	6	6	6	6	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
		5	9	8	5	5	6	8	5	1	8	5	4	8	3	6	8	2	0	8	6	4	0	1	1	1	1	1	1	1
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1
		0	2	2	2	2	3	3	3	3	3	4	4	4	4	4	9	9	9	9	9	9	0	0	0	0	0	0	0	0
		9	2	6	9	9	1	1	5	5	7	1	2	2	4	5	5	3	3	3	4	4	6	6	1	1	2	2	2	2
		5	2	6	2	3	3	4	5	8	3	2	3	6	2	4	6	1	5	7	5	4	4	3	8	9	0	1	1	1
Brain, Brain Stem		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Brain, Cerebellum		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Brain, Cerebrum		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Respiratory System																														
Lung		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Nose		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Trachea		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Special Senses System																														
Eye															+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Harderian Gland															+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Urinary System																														
Kidney		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Renal Tubule, Adenoma																														
Urinary Bladder		+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
SYSTEMIC LESIONS																														
Multiple Organ		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Leukemia Mononuclear		X																												

* ..Total animals with tissue examined microscopically; Total animals with tumor
 + ..Tissue examined microscopically
 X ..Lesion present
 I ..Insufficient tissue
 M ..Missing tissue
 A ..Autolysis precludes evaluation
 BLANK ..Not examined microscopically

Experiment Number: 99930-93
 Test Type: SPECIAL STUDY
 Route: DOSED FEED
 Species/Strain: Rat/CD

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)
 Test Compound: Endocrine disruptor (Genistein)
 CAS Number: 446-72-0

Date Report Requested: 10/17/2014
 Time Report Requested: 12:52:05
 First Dose M/F: NA / NA
 Lab: NCTR

**CD Rat Female
 F3 100PPM TO CTL**

DAY ON TEST	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
	4	4	5	5	5	5	5	5	5	5	5	5	6	6	6	6	6	6
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	0	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	4	6	3	3	0	1	1	1	2	2	2	2	2	2	2	2	5	6
	0	8	8	9	6	7	8	9	0	1	2	3	6	7	8	9	5	7
	*TOTALS																	

Alimentary System

Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	40
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	47
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Hepatocellular Adenoma				X															1
Mesentery																			1
Oral Mucosa																			1
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50

Cardiovascular System

Blood Vessel	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Schwannoma Nos																			1

Endocrine System

* ..Total animals with tissue examined microscopically; Total animals with tumor
 + ..Tissue examined microscopically
 X ..Lesion present
 I ..Insufficient tissue

M ..Missing tissue
 A ..Autolysis precludes evaluation
 BLANK ..Not examined microscopically

Experiment Number: 99930-93
 Test Type: SPECIAL STUDY
 Route: DOSED FEED
 Species/Strain: Rat/CD

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)
 Test Compound: Endocrine disruptor (Genistein)
 CAS Number: 446-72-0

Date Report Requested: 10/17/2014
 Time Report Requested: 12:52:05
 First Dose M/F: NA / NA
 Lab: NCTR

**CD Rat Female
 F3 100PPM TO CTL**

DAY ON TEST	ANIMAL ID																		*TOTALS
	0 7 5 4	0 7 5 4	0 7 5 5	0 7 5 5	0 7 5 5	0 7 5 5	0 7 5 5	0 7 5 5	0 7 5 5	0 7 5 5	0 7 5 5	0 7 5 5	0 7 5 5	0 7 5 5	0 7 5 5	0 7 5 5	0 7 5 5	0 7 5 5	
Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Adenoma						X													1
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Adenoma									X										2
Parathyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	M	47
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Pars Distalis, Adenoma	X	X	X	X	X	X	X	X	X	X				X	X	X	X	X	42
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
General Body System																			
NONE																			
Genital System																			
Clitoral Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Adenoma																	X		1
Carcinoma							X												1
Ovary	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Oviduct	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Uterus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Adenocarcinoma																			1
Adenoma														X					1
Polyp Stromal										X			X		X				5
Sarcoma Stromal													X						2

* ..Total animals with tissue examined microscopically; Total animals with tumor
 + ..Tissue examined microscopically
 X ..Lesion present
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Experiment Number: 99930-93
 Test Type: SPECIAL STUDY
 Route: DOSED FEED
 Species/Strain: Rat/CD

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)
 Test Compound: Endocrine disruptor (Genistein)
 CAS Number: 446-72-0

Date Report Requested: 10/17/2014
 Time Report Requested: 12:52:05
 First Dose M/F: NA / NA
 Lab: NCTR

**CD Rat Female
 F3 100PPM TO CTL**

	DAY ON TEST																				
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
ANIMAL ID	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	
	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	
	4	4	5	5	5	5	5	5	5	5	5	5	5	6	6	6	6	6	6	6	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
	0	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
	4	6	3	3	0	1	1	1	2	2	2	2	2	2	2	2	2	5	6	9	
	0	8	8	9	6	7	8	9	0	1	2	3	6	7	8	9	5	7	7	7	
	*TOTALS																				
Vagina	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Hematopoietic System																					
Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Lymph Node					+					+			+								8
Lymph Node, Mandibular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Thymus	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	46
Integumentary System																					
Mammary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Adenocarcinoma				X					X		X	X							X		8
Adenocarcinoma, Multiple						X															2
Adenoma																					1
Fibroadenoma	X			X		X					X			X						X	13
Fibroadenoma, Multiple			X			X				X	X		X	X		X	X	X			20
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Musculoskeletal System																					
Bone																					1
Bone, Femur	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Nervous System																					
Brain																					1

* ..Total animals with tissue examined microscopically; Total animals with tumor
 + ..Tissue examined microscopically
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Experiment Number: 99930-93
 Test Type: SPECIAL STUDY
 Route: DOSED FEED
 Species/Strain: Rat/CD

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)
 Test Compound: Endocrine disruptor (Genistein)
 CAS Number: 446-72-0

Date Report Requested: 10/17/2014
 Time Report Requested: 12:52:05
 First Dose M/F: NA / NA
 Lab: NCTR

**CD Rat Female
 F3 100PPM TO CTL**

	DAY ON TEST																				
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
ANIMAL ID	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	
	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	
	4	4	5	5	5	5	5	5	5	5	5	5	5	6	6	6	6	6	6	6	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
	0	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
	4	6	3	3	0	1	1	1	2	2	2	2	2	2	2	2	2	5	6	9	
	0	8	8	9	6	7	8	9	0	1	2	2	3	6	7	8	9	5	7	7	
	*TOTALS																				
Brain, Brain Stem	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Brain, Cerebellum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Brain, Cerebrum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Respiratory System																					
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Special Senses System																					
Eye	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	40
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	40
Urinary System																					
Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Renal Tubule, Adenoma														X							1
Urinary Bladder	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	48
SYSTEMIC LESIONS																					
Multiple Organ	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Leukemia Mononuclear																					1

* ..Total animals with tissue examined microscopically; Total animals with tumor
 + ..Tissue examined microscopically
 X ..Lesion present
 I ..Insufficient tissue

M ..Missing tissue
 A ..Autolysis precludes evaluation
 BLANK ..Not examined microscopically

Experiment Number: 99930-93
 Test Type: SPECIAL STUDY
 Route: DOSED FEED
 Species/Strain: Rat/CD

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)
 Test Compound: Endocrine disruptor (Genistein)
 CAS Number: 446-72-0

Date Report Requested: 10/17/2014
 Time Report Requested: 12:52:07
 First Dose M/F: NA / NA
 Lab: NCTR

**CD Rat Female
 F3 500PPM TO CTL**

DAY ON TEST	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
	1	2	2	3	3	3	4	4	4	4	4	4	4	5	5	5	5	5
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	0	0	1	1	1	1	0	0	0	0	0	0	1	1	1	1	1	1
	2	2	7	7	7	9	4	4	4	6	9	9	9	0	2	2	6	7
	8	6	4	2	3	8	1	2	3	5	5	6	7	7	4	5	9	7

***TOTALS**

Alimentary System

Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	37
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Oral Mucosa																			1
Sarcoma																			1
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49

Cardiovascular System

Blood Vessel	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49

Endocrine System

Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Adenoma																		X	1

* ..Total animals with tissue examined microscopically; Total animals with tumor
 + ..Tissue examined microscopically
 X ..Lesion present
 I ..Insufficient tissue
 M ..Missing tissue
 A ..Autolysis precludes evaluation
 BLANK ..Not examined microscopically

Experiment Number: 99930-93
 Test Type: SPECIAL STUDY
 Route: DOSED FEED
 Species/Strain: Rat/CD

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)
 Test Compound: Endocrine disruptor (Genistein)
 CAS Number: 446-72-0

Date Report Requested: 10/17/2014
 Time Report Requested: 12:52:07
 First Dose M/F: NA / NA
 Lab: NCTR

**CD Rat Female
 F3 500PPM TO CTL**

DAY ON TEST	0																		*TOTALS
	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	
ANIMAL ID	1																		
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
Pheochromocytoma Benign																		X	2
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Adenoma			X																1
Parathyroid Gland	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	46
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Pars Distalis, Adenoma	X			X	X		X	X	X	X	X	X	X	X		X	X	X	40
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
C Cell, Adenoma																		X	3
General Body System																			
NONE																			
Genital System																			
Clitoral Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
Ovary	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Yolk Sac Carcinoma																			1
Oviduct	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Uterus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Polyp Stromal																		X	2
Vagina	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	48
Hematopoietic System																			
Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49

* ..Total animals with tissue examined microscopically; Total animals with tumor
 + ..Tissue examined microscopically
 X ..Lesion present
 I ..Insufficient tissue
 M ..Missing tissue
 A ..Autolysis precludes evaluation
 BLANK ..Not examined microscopically

Experiment Number: 99930-93
 Test Type: SPECIAL STUDY
 Route: DOSED FEED
 Species/Strain: Rat/CD

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)
 Test Compound: Endocrine disruptor (Genistein)
 CAS Number: 446-72-0

Date Report Requested: 10/17/2014
 Time Report Requested: 12:52:07
 First Dose M/F: NA / NA
 Lab: NCTR

**CD Rat Female
 F3 500PPM TO CTL**

	DAY ON TEST																		*TOTALS
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	
	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	
	1	2	2	3	3	3	4	4	4	4	4	4	4	5	5	5	5	5	
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
0	0	0	1	1	1	1	0	0	0	0	0	0	1	1	1	1	1	1	
2	2	2	7	7	7	9	4	4	4	6	9	9	9	0	2	2	6	7	
8	8	6	4	2	3	8	1	2	3	5	5	6	7	4	5	5	9	1	
Lymph Node		+		M	+	+				+		+	+			+		12	
Lumbar, Yolk Sac Carcinoma, Metastatic, Ovary																		1	
Renal, Yolk Sac Carcinoma, Metastatic, Ovary																		1	
Lymph Node, Mandibular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49	
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49	
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49	
Thymus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	47	
Thymoma Malignant																		1	
Integumentary System																			
Mammary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Adenocarcinoma				X		X							X					10	
Adenocarcinoma, Multiple														X			X	2	
Adenoma																		1	
Fibroadenoma		X		X		X		X		X								19	
Fibroadenoma, Multiple	X				X					X	X		X		X			9	
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Keratoacanthoma																		1	
Sarcoma																		1	
Squamous Cell Carcinoma																		1	

* ..Total animals with tissue examined microscopically; Total animals with tumor
 + ..Tissue examined microscopically
 X ..Lesion present
 I ..Insufficient tissue
 M ..Missing tissue
 A ..Autolysis precludes evaluation
 BLANK ..Not examined microscopically

Experiment Number: 99930-93
 Test Type: SPECIAL STUDY
 Route: DOSED FEED
 Species/Strain: Rat/CD

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)
 Test Compound: Endocrine disruptor (Genistein)
 CAS Number: 446-72-0

Date Report Requested: 10/17/2014
 Time Report Requested: 12:52:07
 First Dose M/F: NA / NA
 Lab: NCTR

**CD Rat Female
 F3 500PPM TO CTL**

	DAY ON TEST																				
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
ANIMAL ID	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	
	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	
	1	2	2	3	3	3	4	4	4	4	4	4	4	4	5	5	5	5	5	5	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
	0	0	1	1	1	1	0	0	0	0	0	0	0	1	1	1	1	1	1	1	
	2	2	7	7	7	9	4	4	4	6	9	9	9	0	2	2	6	7	7	7	
	8	6	4	2	3	8	1	2	3	5	5	6	7	4	5	5	9	0	1	1	
	*TOTALS																				49
Bone, Femur	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Nervous System																					
Brain, Brain Stem	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Brain, Cerebellum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Brain, Cerebrum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Carcinoma, Metastatic, Pituitary Gland																				1	
Granular Cell Tumor Benign																				1	
Respiratory System																					
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Squamous Cell Carcinoma, Metastatic, Skin																				1	
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Squamous Cell Carcinoma																			X	X	
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Special Senses System																					
Eye	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Urinary System																					
Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Urinary Bladder	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
SYSTEMIC LESIONS																					

* ..Total animals with tissue examined microscopically; Total animals with tumor
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 I ..Insufficient tissue

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Experiment Number: 99930-93
 Test Type: SPECIAL STUDY
 Route: DOSED FEED
 Species/Strain: Rat/CD

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Test Compound: Endocrine disruptor (Genistein)
 CAS Number: 446-72-0

Date Report Requested: 10/17/2014
 Time Report Requested: 12:52:07
 First Dose M/F: NA / NA
 Lab: NCTR

**CD Rat Female
 F3 500PPM TO CTL**

DAY ON TEST	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
	1	2	2	3	3	3	4	4	4	4	4	4	4	5	5	5	5	5	5
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	0	0	1	1	1	1	0	0	0	0	0	0	0	1	1	1	1	1	1
	2	2	7	7	7	9	4	4	4	6	9	9	0	2	2	6	7	7	7
	8	6	4	2	3	8	1	2	3	5	5	6	7	4	5	9	0	1	1
	*TOTALS																		
																			50
Multiple Organ	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

**** END OF REPORT ****

* ..Total animals with tissue examined microscopically; Total animals with tumor
 + ..Tissue examined microscopically
 X ..Lesion present
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