Experiment Number: 00058 - 03	P05: INCIDENCE RATES OF NEOPLASMS BY ANATOMIC SITE (SYSTEMIC LESIONS ABRIDGED) (a)	Date Report Requested: 11/13/2020
Test Type: CHRONIC	Black Cohosh	Time Report Requested: 09:33:45
Route: GAVAGE	CAS Number: 84776-26-1	First Dose M/F: 07/03/12 / 07/02/12
Species/Strain: RATS/HSD		Lab: BAT

Rats Final 2

NTP Study Number:	C00058B
Lock Date:	10/02/2018
Cage Range:	ALL
Date Range:	ALL
Reasons For Removal:	ALL
Removal Date Range:	ALL
Treatment Groups:	Include ALL
Study Gender:	Both
TDMSE Version:	3.0.2.3_002
PWG Approval Date:	NONE

Experiment Number: 00058 - 03	P05: INCIDENCE RA	TES OF NEOPLASMS ABRID	SYSTEMIC LESIONS	Date Report Requested: 11/13/2020	
Test Type: CHRONIC		Black	Cohosh		Time Report Requested: 09:33:45
Route: GAVAGE		CAS Numbe	er: 84776-26-1		First Dose M/F: 07/03/12 / 07/02/12
Species/Strain: RATS/HSD				Lab: BAT	
Harlan Sprague Dawley RATS MALE	0 mg/kg male	75 mg/kg male	250 mg/kg male	750 mg/kg male	
Disposition Summary					
Animals Initially In Study	50	50	50	50	
Early Deaths					
Moribund Sacrifice	16	14	11	8	
Natural Death	19	20	18	26	
Survivors					
Natural Death		1			
Terminal Sacrifice	15	15	21	16	
Animals Examined Microscopically	50	50	50	50	
ALIMENTARY SYSTEM					
Esophagus	(50)	(50)	(50)	(50)	
Intestine Large, Cecum	(50)	(49)	(50)	(49)	
Intestine Large, Colon	(50)	(50)	(50)	(50)	
Schwannoma Malignant			1 (2%)		
Intestine Large, Rectum	(50)	(50)	(50)	(50)	
Intestine Small, Duodenum	(50)	(50)	(49)	(49)	
Intestine Small, Ileum	(49)	(50)	(50)	(50)	
Intestine Small, Jejunum	(50)	(50)	(50)	(50)	
Carcinoma		2 (4%)			
Liver	(50)	(50)	(50)	(50)	
Carcinoma, Metastatic, Kidney				1 (2%)	
Cholangioma		1 (2%)			
Hepatocellular Adenoma		1 (2%)		2 (4%)	
Mesentery	(0)	(3)	(1)	(0)	
Oral Mucosa	(0)	(0)	(1)	(0)	
Buccal, Squamous Cell Carcinoma			1 (100%)		
Pancreas	(50)	(50)	(50)	(50)	
Schwannoma Malignant			1 (2%)		
Acinus, Adenoma	4 (8%)	3 (6%)		2 (4%)	
Acinus, Adenoma, Multiple	2 (4%)	2 (4%)	6 (12%)	2 (4%)	
Acinus, Carcinoma	1 (2%)				
Salivary Glands	(50)	(50)	(50)	(50)	
Fibrosarcoma, Metastatic, Skin	1 (2%)				

Experiment Number: 00058 - 03	P05: INCIDENCE RA	Date Report Requested: 11/13/202			
Test Type: CHRONIC		Black	Cohosh		Time Report Requested: 09:33:45
Route: GAVAGE		CAS Numbe	er: 84776-26-1		First Dose M/F: 07/03/12 / 07/02/12
Species/Strain: RATS/HSD					Lab: BAT
Harlan Sprague Dawley RATS MALE	0 mg/kg male	75 mg/kg male	250 mg/kg male	750 mg/kg male	
Stomach, Forestomach	(50)	(50)	(50)	(50)	
Stomach, Glandular	(50)	(50)	(50)	(50)	
Tongue	(0)	(1)	(0)	(0)	
Tooth	(0)	(3)	(0)	(0)	
CARDIOVASCULAR SYSTEM				· · · · · · · · · · · · · · · · · · ·	
Blood Vessel	(32)	(33)	(32)	(33)	
Heart	(50)	(50)	(50)	(50)	
Neuroendocrine Tumor, Benign		, , , , , , , , , , , , , , , , , , ,	1 (2%)		
ENDOCRINE SYSTEM					
Adrenal Cortex	(50)	(50)	(50)	(50)	
Adenoma			1 (2%)		
Carcinoma				1 (2%)	
Adrenal Medulla	(50)	(50)	(50)	(50)	
Pheochromocytoma Benign	12 (24%)	8 (16%)	5 (10%)	7 (14%)	
Pheochromocytoma Malignant	· · ·			1 (2%)	
Bilateral, Pheochromocytoma Benign	2 (4%)	2 (4%)	1 (2%)	3 (6%)	
Islets, Pancreatic	(50)	(50)	(50)	(50)	
Adenoma	4 (8%)		2 (4%)	1 (2%)	
Adenoma, Mixed Cell	()	1 (2%)		x /	
Carcinoma		()		1 (2%)	
Parathyroid Gland	(49)	(47)	(44)	(39)	
Adenoma	(/	1 (2%)	( · · /	()	
Pituitary Gland	(50)	(50)	(50)	(50)	
Meningioma Malignant, Metastatic, Brain	(00)	(30)	1 (2%)	(00)	
Pars Distalis, Adenoma	12 (24%)	7 (14%)	12 (24%)	6 (12%)	
Thyroid Gland	(50)	(50)	(50)	(50)	
Carcinoma, Metastatic, Kidney	(00)	(00)	2 (4%)	(00)	
Bilateral, C-cell, Adenoma			1 (2%)		
Bilateral, C-cell, Adenoma, Multiple	1 (2%)		i (2/0)		
C-cell, Adenoma	10 (20%)	5 (10%)	7 (14%)	7 (14%)	
C-cell, Adenoma, Multiple	10 (20%)			7 (1470)	
a - Number of animals examined microscopi		1 (2%)	1 (2%)		

Test Type: CHRONIC Route: GAVAGE Species/Strain: RATS/HSD Harlan Sprague Dawley RATS MALE C-cell, Carcinoma Follicular Cell, Adenoma	0 mg/kg male 1 (2%)	Black ( CAS Numbe 75 mg/kg male	Cohosh r: 84776-26-1 <b>250 mg/kg male</b>		Time Report Requested: 09:33:45 First Dose M/F: 07/03/12 / 07/02/12 Lab: BAT
Species/Strain: RATS/HSD Harlan Sprague Dawley RATS MALE C-cell, Carcinoma					
Harlan Sprague Dawley RATS MALE C-cell, Carcinoma		75 mg/kg male	250 mg/kg male		Lab: BAT
C-cell, Carcinoma		75 mg/kg male	250 mg/kg male		
	1 (2%)			750 mg/kg male	
				1 (2%) 1 (2%)	
GENERAL BODY SYSTEM					
None					
GENITAL SYSTEM					
Epididymis	(50)	(50)	(50)	(50)	
Preputial Gland	(50)	(50)	(50)	(50)	
Papilloma, Squamous		1 (2%)	. ,		
Prostate	(50)	(50)	(50)	(50)	
Seminal Vesicle	(50)	(50)	(50)	(50)	
Testis	(50)	(50)	(50)	(50)	
Bilateral, Interstitial Cell, Adenoma, Multiple			1 (2%)		
Interstitial Cell, Adenoma	1 (2%)	1 (2%)		1 (2%)	
HEMATOPOIETIC SYSTEM		·			
Bone Marrow	(50)	(50)	(50)	(50)	
Lymph Node	(5)	(4)	(3)	(4)	
Bronchial, Carcinoma, Metastatic, Thyroid Gland		1 (25%)			
Lymph Node, Mandibular	(50)	(50)	(50)	(50)	
Lymph Node, Mesenteric	(50)	(50)	(49)	(48)	
Carcinoma, Metastatic, Kidney				1 (2%)	
Spleen	(50)	(50)	(49)	(50)	
Hemangiosarcoma				1 (2%)	
Thymus	(46)	(48)	(46)	(49)	
NTEGUMENTARY SYSTEM				· · · · · · · · · · · · · · · · · · ·	
Mammary Gland	(48)	(48)	(49)	(48)	

Experiment Number: 00058 - 03	P05: INCIDENCE RA	TES OF NEOPLASMS ABRID	BY ANATOMIC SITE ( GED) (a)	SYSTEMIC LESIONS	Date Report Requested: 11/13/2020
Test Type: CHRONIC		Time Report Requested: 09:33:45			
Route: GAVAGE		CAS Numbe	<b>r:</b> 84776-26-1		First Dose M/F: 07/03/12 / 07/02/12
Species/Strain: RATS/HSD					Lab: BAT
Harlan Sprague Dawley RATS MALE	0 mg/kg male	75 mg/kg male	250 mg/kg male	750 mg/kg male	
Adenocarcinoma		1 (2%)			
Fibroadenoma	3 (6%)	1 (2%)	2 (4%)	1 (2%)	
Skin	(50)	(50)	(50)	(50)	
Fibroma	3 (6%)	1 (2%)	4 (8%)	5 (10%)	
Fibroma, Multiple	1 (2%)		. ,	· · ·	
Fibrosarcoma	1 (2%)	1 (2%)		1 (2%)	
Hemangioma	. (_,,,)	1 (2%)		. (_ / )	
Hemangiosarcoma		. (_,)	1 (2%)		
Keratoacanthoma	1 (2%)	3 (6%)	2 (4%)	3 (6%)	
Keratoacanthoma, Multiple	1 (270)	1 (2%)	2 (470)	0 (070)	
Lipoma	1 (2%)	1 (2%)			
Lipoma, Multiple	1 (2%)	1 (270)			
• • •	T (270)	1 (20/)			
Liposarcoma	4 (00()	1 (2%)			
Sarcoma	1 (2%)	1 (2%)	4 (00)		
Schwannoma Malignant			1 (2%)		
Squamous Cell Papilloma			1 (2%)		
Sebaceous Gland, Adenoma		1 (2%)			
MUSCULOSKELETAL SYSTEM					
Bone	(50)	(50)	(50)	(50)	
Skeletal Muscle	(0)	(0)	(1)	(3)	
Sarcoma			1 (100%)		
NERVOUS SYSTEM					
Brain	(50)	(50)	(49)	(50)	
Glioma Malignant	1 (2%)				
Granular Cell Tumor Benign	3 (6%)		1 (2%)	1 (2%)	
Meningioma Malignant			1 (2%)		
Meninges, Carcinoma, Metastatic, Kidney			1 (2%)		
Meninges, Meningioma Malignant			(	1 (2%)	
Nerve Trigeminal	(0)	(1)	(0)	(0)	
Peripheral Nerve	(0)	(1)	(1)	(2)	
Spinal Cord	(0)	(1)	(1)	(2)	
a - Number of animals examined microscopic					

Experiment Number: 00058 - 03	P05: INCIDENCE RA	Date Report Requested: 11/13/2020			
Test Type: CHRONIC Route: GAVAGE Species/Strain: RATS/HSD			Time Report Requested: 09:33:45 First Dose M/F: 07/03/12 / 07/02/12 Lab: BAT		
Harlan Sprague Dawley RATS MALE	0 mg/kg male	75 mg/kg male	250 mg/kg male	750 mg/kg male	
RESPIRATORY SYSTEM					
Lung Carcinoma, Metastatic, Adrenal Cortex Carcinoma, Metastatic, Thyroid Gland	(50)	(50)	(50)	(50) 1 (2%) 1 (2%)	
Nose Trachea	(50) (50)	(50) (50)	(50) (50)	(50) (50)	
SPECIAL SENSES SYSTEM				· · · · · · · · · · · · · · · · · · ·	
Eye Meningioma Malignant, Metastatic, Brain	(50)	(50)	(50) 1 (2%)	(50)	
Harderian Gland Zymbal's Gland Adenoma	(50) (2) 1 (50%)	(50) (1)	(50) (1)	(50) (0)	
Carcinoma	1 (50%)	1 (100%)	1 (100%)		
URINARY SYSTEM				·	
Kidney Amphophilic/Vacuolar Adenoma, Multiple Amphophilic/Vacuolar Carcinoma Amphophilic/Vacuolar Carcinoma, Multiple	(50)	(50)	(50) 2 (4%) 2 (4%)	(50) 2 (4%) 1 (2%)	
Lipoma Oncocytoma Benign Renal Tubule, Adenoma	1 (2%) 1 (2%)	1 (2%)	1 (2%)	. (270)	
Urinary Bladder	(50)	(50)	(50)	(50)	

\* Number of animals with any tissue examined microscopically

Experiment Number: 00058 - 03	P05: INCIDENCE RA	TES OF NEOPLASMS ABRID	Date Report Requested: 11/13/2020		
Test Type: CHRONIC		Black	Cohosh		Time Report Requested: 09:33:45
Route: GAVAGE		CAS Numbe	r: 84776-26-1		First Dose M/F: 07/03/12 / 07/02/12
Species/Strain: RATS/HSD					Lab: BAT
Harlan Sprague Dawley RATS MALE	0 mg/kg male	75 mg/kg male	250 mg/kg male	750 mg/kg male	
SYSTEMIC LESIONS					
Multiple Organ	*(50)	*(50)	*(50)	*(50)	
Histiocytic Sarcoma	1 (2%)				
Leukemia Granulocytic	1 (2%)			1 (2%)	
Leukemia Mononuclear		2 (4%)			
Mesothelioma Malignant	2 (4%)		1 (2%)		

\* Number of animals with any tissue examined microscopically

Experiment Number: 00058 - 03	P05: INCIDENCE RA	TES OF NEOPLASMS ABRID	Date Report Requested: 11/13/2020		
Test Type: CHRONIC		Black	Cohosh		Time Report Requested: 09:33:45
Route: GAVAGE		CAS Numbe	r: 84776-26-1		First Dose M/F: 07/03/12 / 07/02/12
Species/Strain: RATS/HSD					Lab: BAT
Harlan Sprague Dawley RATS MALE	0 mg/kg male	75 mg/kg male	250 mg/kg male	750 mg/kg male	
Tumor Summary for Males					
Total Animals with Primary Neoplasms (b)	33	34	36	35	
Total Primary Neoplasms	74	53	62	53	
Total Animals with Benign Neoplasms	30	30	30	30	
Total Benign Neoplasms	64	44	48	42	
Total Animals with Malignant Neoplasms	10	8	8	7	
Total Malignant Neoplasms	10	9	9	8	
Total Animals with Metastatic Neoplasms	2	1	3	3	
Total Metastatic Neoplasms	2	1	5	4	
Total Animals with Malignant Neoplasms Uncertain Primary Site					
Total Animals with Neoplasms Uncertain- Benign or Malignant			3	2	
Total Uncertain Neoplasms			5	3	

\*\*\* END OF MALE \*\*\*

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

b - Primary tumors: all tumors except metastatic tumors

Experiment Number: 00058 - 03	P05: INCIDENCE RA	TES OF NEOPLASMS	Date Report Requested: 11/13/2020		
Test Type: CHRONIC		Black		Time Report Requested: 09:33:45	
Route: GAVAGE		CAS Numbe	<b>r:</b> 84776-26-1		First Dose M/F: 07/03/12 / 07/02/12
Species/Strain: RATS/HSD					Lab: BAT
Harlan Sprague Dawley RATS FEMALE	0 mg/kg female	75 mg/kg female	250 mg/kg female	750 mg/kg female	
Disposition Summary					
Animals Initially In Study	50	50	50	50	
Early Deaths					
Moribund Sacrifice	13	14	15	14	
Natural Death	9	12	6	16	
Survivors					
Terminal Sacrifice	28	24	29	20	
Animals Examined Microscopically	50	50	50	50	
ALIMENTARY SYSTEM					
Esophagus	(50)	(50)	(50)	(49)	
Intestine Large, Cecum	(50)	(50)	(50)	(49)	
Intestine Large, Colon	(50)	(50)	(50)	(50)	
Intestine Large, Rectum	(50)	(50)	(50)	(50)	
Intestine Small, Duodenum	(50)	(50)	(50)	(50)	
Leiomyoma		1 (2%)			
Intestine Small, Ileum	(50)	(50)	(50)	(50)	
Intestine Small, Jejunum	(50)	(50)	(50)	(50)	
Liver	(50)	(50)	(50)	(48)	
Adenocarcinoma, Metastatic, Uterus		1 (2%)		1 (2%)	
Cholangioma		1 (2%)		1 (2%)	
Hepatocellular Adenoma	2 (4%)	1 (2%)	1 (2%)	1 (2%)	
Hepatocellular Adenoma, Multiple		1 (2%)			
Squamous Cell Carcinoma, Metastatic, Uterus				1 (2%)	
Mesentery	(1)	(0)	(1)	(1)	
Adenocarcinoma, Metastatic, Uterus	1 (100%)		1 (100%)		
Squamous Cell Carcinoma, Metastatic, Uterus				1 (100%)	
Oral Mucosa	(0)	(0)	(1)	(0)	
Gingival, Squamous Cell Papilloma	(= - )	()	1 (100%)	( )	
Pancreas	(50)	(50)	(50)	(49)	
Adenocarcinoma, Metastatic, Uterus		1 (2%)		1 (2%)	
Malignant Mixed Sex Cord Stromal Tumor, Metastatic, Ovary		1 (2%)			
Squamous Cell Carcinoma, Metastatic, Uterus				1 (2%)	

Experiment Number: 00058 - 03	P05: INCIDENCE RA	TES OF NEOPLASMS ABRID	Date Report Requested: 11/13/2020		
Test Type: CHRONIC		Black		Time Report Requested: 09:33:45	
Route: GAVAGE		CAS Numbe	<b>r:</b> 84776-26-1		First Dose M/F: 07/03/12 / 07/02/12
Species/Strain: RATS/HSD					Lab: BAT
Harlan Sprague Dawley RATS FEMALE	0 mg/kg female	75 mg/kg female	250 mg/kg female	750 mg/kg female	
Acinus, Adenoma				1 (2%)	
Salivary Glands	(50)	(50)	(50)	(48)	
Stomach, Forestomach	(50)	(50)	(50)	(50)	
Stomach, Glandular	(50)	(50)	(50)	(50)	
Adenocarcinoma, Metastatic, Uterus	()	()	()	1 (2%)	
Tooth	(0)	(0)	(1)	(1)	
CARDIOVASCULAR SYSTEM					
Blood Vessel	(49)	(48)	(48)	(43)	
Heart	(50)	(50)	(50)	(48)	
Schwannoma Malignant	1 (2%)	1 (2%)	. ,	1 (2%)	
Squamous Cell Carcinoma, Metastatic, Uterus				1 (2%)	
ENDOCRINE SYSTEM					
Adrenal Cortex	(50)	(50)	(50)	(48)	
Adenocarcinoma, Metastatic, Uterus			1 (2%)		
Adenoma	2 (4%)	1 (2%)	, , ,		
Capsule, Squamous Cell Carcinoma, Metastatic, Uterus				1 (2%)	
Adrenal Medulla	(50)	(50)	(50)	(48)	
Pheochromocytoma Benign	3 (6%)	4 (8%)	2 (4%)	1 (2%)	
Islets, Pancreatic	(50)	(50)	(50)	(49)	
Adenoma	1 (2%)	1 (2%)	2 (4%)	· /	
Parathyroid Gland	(46)	(40)	(39)	(38)	
Pituitary Gland	(50)	(50)	(50)	(50)	
Pars Distalis, Adenoma	20 (40%)	18 (36%)	20 (40%)	11 (22%)	
Thyroid Gland	(50)	(49)	(50)	(49)	
Bilateral, C-cell, Adenoma	1 (2%)	1 (2%)	1 (2%)	1 (2%)	
C-cell, Adenoma	8 (16%)	10 (20%)	9 (18%)	9 (18%)	
C-cell, Carcinoma	- ( /	2 (4%)	- ( ,	- ( )	
Follicular Cell, Adenoma		= ( . , . ,	1 (2%)		

Experiment Number: 00058 - 03	P05: INCIDENCE RA	Date Report Requested: 11/13/2020			
Test Type: CHRONIC		Black (		Time Report Requested: 09:33:45	
Route: GAVAGE		CAS Numbe	r: 84776-26-1		First Dose M/F: 07/03/12 / 07/02/12
Species/Strain: RATS/HSD				Lab: BAT	
Harlan Sprague Dawley RATS FEMALE	0 mg/kg female	75 mg/kg female	250 mg/kg female	750 mg/kg female	
GENERAL BODY SYSTEM					
Peritoneum Adenocarcinoma, Metastatic, Uterus Malignant Mixed Sex Cord Stromal Tumor, Metastatic, Ovary	(0)	(2) 1 (50%) 1 (50%)	(1) 1 (100%)	(0)	
GENITAL SYSTEM					
Clitoral Gland	(49)	(48)	(49)	(49)	
Adenoma			1 (2%)		
Squamous Cell Carcinoma	1 (2%)			2 (4%)	
Ovary	(50)	(50)	(50)	(49)	
Adenocarcinoma, Metastatic, Uterus		1 (2%)		1 (2%)	
Carcinoma, Metastatic, Kidney		1 (2%)		1 (2%)	
Granulosa Cell Tumor Malignant			1 (2%)		
Malignant Mixed Sex Cord Stromal Tumor		1 (2%)	- (- / -)		
Squamous Cell Carcinoma, Metastatic, Uterus		. (_,)		1 (2%)	
Oviduct	(0)	(0)	(2)	(0)	
Uterus	(50)	(50)	(50)	(49)	
Hemangiosarcoma	(00)	(00)	1 (2%)	1 (2%)	
Leiomyosarcoma		1 (2%)	1 (270)	1 (270)	
Malignant Mixed Sex Cord Stromal Tumor, Metastatic, Ovary		1 (2%)			
Papilloma, Squamous, Multiple	1 (2%)				
Papilloma, Squamous		1 (2%)	4 (8%)		
Polyp Stromal	5 (10%)	4 (8%)	6 (12%)	2 (4%)	
Polyp Stromal, Multiple	3 (6%)				
Squamous Cell Carcinoma	1 (2%)		2 (4%)	1 (2%)	
Bilateral, Polyp Stromal	1 (2%)			1 (2%)	
Cervix, Sarcoma		1 (2%)			
Cervix, Squamous Cell Carcinoma		. (_,,,,	1 (2%)		
Endometrium, Adenocarcinoma	2 (4%)	2 (4%)	4 (8%)	2 (4%)	
Endometrium, Adenocarcinoma, Multiple	= ( )	_ ( . , v)	1 (2%)	2 (4%)	
Endometrium, Adenoma		1 (2%)	1 (2%)	- (170)	
Vagina	(50)	(50)	(50)	(50)	
a - Number of animals examined microscopical				(88)	

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

Experiment Number: 00058 - 03	P05: INCIDENCE RA	TES OF NEOPLASMS ABRID	Date Report Requested: 11/13/2020		
Test Type: CHRONIC		Black	Cohosh		Time Report Requested: 09:33:45 First Dose M/F: 07/03/12 / 07/02/12
Route: GAVAGE		CAS Numbe	er: 84776-26-1		
Species/Strain: RATS/HSD			Lab: BAT		
Harlan Sprague Dawley RATS FEMALE	0 mg/kg female	75 mg/kg female	250 mg/kg female	750 mg/kg female	
Schwannoma Malignant		2 (4%)			
Squamous Cell Carcinoma				1 (2%)	
HEMATOPOIETIC SYSTEM					
Bone Marrow	(50)	(50)	(50)	(50)	
Lymph Node	(0)	(6)	(0)	(3)	
Deep Cervical, Carcinoma, Metastatic, Thyroid Gland		1 (17%)			
Lumbar, Squamous Cell Carcinoma, Metastatic, Uterus				1 (33%)	
Mediastinal, Squamous Cell Carcinoma, Metastatic, Uterus				1 (33%)	
Pancreatic, Adenocarcinoma, Metastatic, Uterus		1 (17%)			
Renal, Squamous Cell Carcinoma, Metastatic, Uterus				1 (33%)	
Lymph Node, Mandibular	(50)	(50)	(50)	(49)	
Carcinoma, Metastatic, Thyroid Gland		1 (2%)			
Lymph Node, Mesenteric	(50)	(50)	(50)	(49)	
Spleen	(50)	(50)	(50)	(49)	
Adenocarcinoma, Metastatic, Uterus			1 (2%)	1 (2%)	
Thymus	(49)	(49)	(48)	(48)	
Malignant Mixed Sex Cord Stromal Tumor, Metastatic, Ovary		1 (2%)			
Squamous Cell Carcinoma, Metastatic, Uterus				1 (2%)	
Thymoma Malignant				1 (2%)	
INTEGUMENTARY SYSTEM					
Mammary Gland	(50)	(50)	(50)	(49)	
Adenocarcinoma	2 (4%)	2 (4%)	1 (2%)	2 (4%)	
Adenocarcinoma, Multiple	1 (2%)			1 (2%)	
Adenoma	1 (2%)		1 (2%)		
Fibroadenoma	22 (44%)	26 (52%)	15 (30%)	9 (18%)	
Fibroadenoma, Multiple	7 (14%)	5 (10%)	7 (14%)	4 (8%)	

Experiment Number: 00058 - 03	P05: INCIDENCE RA	TES OF NEOPLASMS ABRID	Date Report Requested: 11/13/2020		
Test Type: CHRONIC		Black		Time Report Requested: 09:33:45	
Route: GAVAGE		CAS Numbe	<b>r:</b> 84776-26-1		First Dose M/F: 07/03/12 / 07/02/12
Species/Strain: RATS/HSD			Lab: BAT		
Harlan Sprague Dawley RATS FEMALE	0 mg/kg female	75 mg/kg female	250 mg/kg female	750 mg/kg female	
Skin	(50)	(50)	(50)	(50)	
Fibroma		2 (4%)		1 (2%)	
Hemangiosarcoma			1 (2%)		
Keratoacanthoma		1 (2%)			
Lipoma	1 (2%)				
Schwannoma Malignant		1 (2%)			
Squamous Cell Carcinoma				1 (2%)	
MUSCULOSKELETAL SYSTEM					
Bone	(50)	(50)	(50)	(50)	
Skeletal Muscle	(0)	(0)	(0)	(1)	
Squamous Cell Carcinoma, Metastatic, Uterus	(0)	(0)	(0)	1 (100%)	
NERVOUS SYSTEM					
Brain	(50)	(50)	(50)	(50)	
Meninges, Carcinoma, Metastatic, Kidney	(00)	1 (2%)		(00)	
RESPIRATORY SYSTEM					
Lung	(50)	(50)	(50)	(48)	
Adenocarcinoma, Metastatic, Mammary Gland	2 (4%)	1 (2%)	1 (2%)	1 (2%)	
Adenocarcinoma, Metastatic, Uterus			1 (2%)	1 (2%)	
Alveolar/Bronchiolar Adenoma			1 (2%)		
Carcinoma, Metastatic, Kidney		1 (2%)		1 (2%)	
Carcinoma, Metastatic, Thyroid Gland		1 (2%)			
Malignant Mixed Sex Cord Stromal Tumor, Metastatic, Ovary		1 (2%)			
Squamous Cell Carcinoma, Metastatic, Uterus				1 (2%)	
Nose	(50)	(50)	(50)	(50)	
Osteosarcoma			1 (2%)		
Trachea	(50)	(50)	(50)	(48)	

Experiment Number: 00058 - 03	P05: INCIDENCE RA	Date Report Requested: 11/13/2020				
Test Type: CHRONIC		ABRIDGED) (a) Black Cohosh				
Route: GAVAGE		Time Report Requested: 09:33:45 First Dose M/F: 07/03/12 / 07/02/12 Lab: BAT				
Species/Strain: RATS/HSD Harlan Sprague Dawley RATS FEMALE						
	0 mg/kg female	75 mg/kg female	250 mg/kg female	750 mg/kg female		
SPECIAL SENSES SYSTEM						
Eye	(50)	(50)	(50)	(50)		
Harderian Gland	(50)	(50)	(50)	(50)		
Sarcoma			1 (2%)			
Lacrimal Gland	(1)	(0)	(0)	(0)		
URINARY SYSTEM		·		·		
Kidney	(50)	(50)	(50)	(49)		
Amphophilic/Vacuolar Adenoma, Multiple		1 (2%)	1 (2%)	1 (2%)		
Amphophilic/Vacuolar Carcinoma, Multiple		2 (4%)	1 (2%)	1 (2%)		
Renal Tubule, Adenoma		1 (2%)		1 (2%)		
Urinary Bladder	(50)	(50)	(50)	(50)		
Adenocarcinoma, Metastatic, Uterus		1 (2%)				
SYSTEMIC LESIONS						
Multiple Organ	*(50)	*(50)	*(50)	*(50)		
Leukemia Mononuclear		· /	1 (2%)	1 (2%)		
Lymphoma Malignant		1 (2%)	· · /			

\* Number of animals with any tissue examined microscopically

Experiment Number: 00058 - 03	ment Number: 00058 - 03 P05: INCIDENCE RATES OF NEOPLASMS BY ANATOMIC SITE (SYSTEMIC LESIONS ABRIDGED) (a)				
Test Type: CHRONIC		Black	Time Report Requested: 09:33:45 First Dose M/F: 07/03/12 / 07/02/12 Lab: BAT		
Route: GAVAGE		CAS Numbe			
Species/Strain: RATS/HSD					
Harlan Sprague Dawley RATS FEMALE	0 mg/kg female	75 mg/kg female	250 mg/kg female	750 mg/kg female	
Tumor Summary for Females					
Total Animals with Primary Neoplasms (b)	46	47	45	32	
Total Primary Neoplasms	86	97	90	61	
Total Animals with Benign Neoplasms	44	46	44	31	
Total Benign Neoplasms	78	80	73	43	
Total Animals with Malignant Neoplasms	7	13	13	13	
Total Malignant Neoplasms	8	14	15	16	
Total Animals with Metastatic Neoplasms	3	5	3	5	
Total Metastatic Neoplasms	3	18	6	21	
Total Animals with Malignant Neoplasms Uncertain Primary Site					
Total Animals with Neoplasms Uncertain- Benign or Malignant		2	1	1	
Total Uncertain Neoplasms		3	2	2	

\*\*\* 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