Experiment Number: 00058 - 04 Test Type: CHRONIC	P03: INCID	DENCE RATES OF NON-NEOPLASTIC LESIONS BY ANATOMIC SITE Black Cohosh	(a) Date Report Requested: 12/10/2020 Time Report Requested: 11:32:38
Route: GAVAGE Species/Strain: MICE/B6C3F1/N		CAS Number: 84776-26-1	First Dose M/F: NA / 04/09/12 Lab: BAT
		2-year Core Mice_Final 1	
NTP Study Number:	C00058B		
Lock Date:	10/02/2018		
Cage Range:	ALL		
Date Range:	ALL		
Reasons For Removal:	25022 ACCK	25021 TSAC	25020 NATD
	25019 MSAC		
Removal Date Range:	ALL		
Treatment Groups:	Include ALL		
Study Gender:	Female		
TDMSE Version:	3.0.2.3_002		
PWG Approval Date:	NONE		

Experiment Number: 00058 - 04 Test Type: CHRONIC

Species/Strain: MICE/B6C3F1/N

Route: GAVAGE

P03: INCIDENCE RATES OF NON-NEOPLASTIC LESIONS BY ANATOMIC SITE(a)

Black Cohosh

CAS Number: 84776-26-1

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B6C3F1/N MICE FEMALE	0 mg/kg	30 mg/kg	100 mg/kg	300 mg/kg	1000 mg/kg	
Disposition Summary						
Disposition Summary						
Animals Initially In Study	70	70	70	70	70	
Early Deaths						
Accidentally Killed				1		
Moribund Sacrifice	4	2	3	3	6	
Natural Death	6	8	3	7	6	
Survivors						
Natural Death		1				
Terminal Sacrifice	40	39	44	39	38	
Animals Examined Microscopically	50	50	50	50	50	
ALIMENTARY SYSTEM						
Esophagus	(50)	(50)	(50)	(50)	(50)	
Gallbladder	(46)	(50)	(50)	(49)	(50)	
Intestine Large, Cecum	(50)	(50)	(50)	(50)	(50)	
Intestine Large, Colon	(50)	(50)	(50)	(50)	(50)	
Inflammation, Acute	1 (2%)	()	()	()	()	
Ulcer	1 (2%)					
Intestine Large, Rectum	(50)	(50)	(50)	(50)	(50)	
Intestine Small, Duodenum	(50)	(50)	(50)	(50)	(50)	
Perforation			1 (2%)			
Polyarteritis Nodosa	1 (2%)					
Ulcer			1 (2%)			
Intestine Small, Ileum	(50)	(50)	(50)	(50)	(50)	
Intestine Small, Jejunum	(50)	(50)	(50)	(50)	(50)	
Epithelium, Hyperplasia	1 (2%)		2 (4%)			
Peyer's Patch, Hyperplasia, Lymphocyte	4 (8%)	5 (10%)	3 (6%)	2 (4%)	4 (8%)	
Peyer's Patch, Inflammation, Chronic Active			. ,	. ,	1 (2%)	
Liver	(50)	(50)	(50)	(50)	(50)	
Amyloid			1 (2%)			
Angiectasis	1 (2%)				1 (2%)	
Basophilic Focus	6 (12%)	1 (2%)				
Clear Cell Focus	3 (6%)	1 (2%)	3 (6%)	1 (2%)	4 (8%)	
Eosinophilic Focus	7 (14%)	5 (10%)	2 (4%)	1 (2%)	4 (8%)	

Experiment Number: 00058 - 04

Species/Strain: MICE/B6C3F1/N

Test Type: CHRONIC

Route: GAVAGE

P03: INCIDENCE RATES OF NON-NEOPLASTIC LESIONS BY ANATOMIC SITE(a)

Black Cohosh

CAS Number: 84776-26-1

Date Report Requested: 12/10/2020 Time Report Requested: 11:32:38 First Dose M/F: NA / 04/09/12 Lab: BAT

Extranedullary Hematopoiesis1 (2%)1 (2%)2 (4%)Fairy Change2 (4%)1 (2%)1 (2%)Hemorrhage1 (2%)1 (2%)Hoptatoliaphragmatic Nodule1 (2%)1 (2%)Infitration Callular, Lymphocyto3 (6%)1 (2%)Infitration Callular, Lymphocytos1 (2%)1 (2%)Infitration Callular, Lymphocytos1 (2%)1 (2%)Infitration Callular, Lymphocytos2 (4%)1 (2%)2 (4%)Necrosis2 (4%)2 (4%)2 (4%)1 (2%)Pigment1 (2%)1 (2%)1 (2%)1 (2%)Bie Duck, System1 (2%)1 (2%)1 (2%)1 (2%)Hepatocyte, Atrophy1 (2%)1 (2%)1 (2%)1 (2%)Mesentery(6)(2)(0)(2)(1)Infitration Callular, Apphocyte1 (2%)1 (2%)1Fai, Necrosis4 (67%)1 (2%)1 (2%)1Acinus, Atrophy(50)(50)(50)(50)Acinus, Hypertrophy1 (2%)1 (2%)1 (2%)Duct, Cyst1 (2%)1 (2%)1 (2%)Acinus, Atrophy(50)(50)(50)(50)Acinus, Atrophy(50)(50)(50)(50)Acinus, Atrophy(50)(50)(50)(50)Atrophy(2%)(2%)(2%)(2%)Duct, Hyperplasia(5%)(50)(50)(50)Mintration Cellular, Lymphocyte1 (2%)1 (2%)(2%)Duct, Hyperplasi	B6C3F1/N MICE FEMALE	0 mg/kg	30 mg/kg	100 mg/kg	300 mg/kg	1000 mg/kg	
Faty Change 2 (4%) 1 (2%) 1 (2%) Henorchage 1 (2%) 1 (2%) Inflarmatic Nobule 1 (2%) 1 (2%) Mixed Call Focus 1 (2%) 1 (2%) Pigment 1 (2%) 1 (2%) 8 (16%) Pigment 1 (2%) 1 (2%) 8 (16%) Hepatocick, Atrophy 1 (2%) 1 (2%) 1 (2%) Hepatocick, Atrophy 1 (2%) 1 (2%) 1 (2%) Fal, Necrosis 4 (67%) 1 (2%) 1 (2%) Acinas, Atrophy 1 (2%) 1 (2%) 1 (2%) Acinas, Atrophy 1 (2%) 1 (2%) 1 (2%) Acinas, Nopchy 1 (2%) 1 (2%) 1 (2%) Solitary Clands (50) (50) (50) (50) </td <td>Extramedullary Hematopoiesis</td> <td></td> <td></td> <td>1 (2%)</td> <td>1 (2%)</td> <td>2 (4%)</td> <td></td>	Extramedullary Hematopoiesis			1 (2%)	1 (2%)	2 (4%)	
Henorthage 1 (2%) Hepitodisprigmatic Nodule 1 (2%) Inflammation, Catular, Lymphocyte 2 (4%) 1 (2%) 1 (2%) Inflammation, Chronic Active 1 (2%) 1 (2%) 1 (2%) Intrainepatocellular Erythnocytes 2 (4%) 1 (2%) 2 (4%) Necrosis 2 (4%) 1 (2%) 1 (2%) Pigment 1 (2%) 1 (2%) 1 (2%) Filephotocyte, Artophy 1 (2%) 1 (2%) 1 (2%) Hepatocyte, Artophy 1 (2%) 2 (4%) 1 (2%) Hepatocyte, Artophy 1 (2%) 1 (2%) 1 (2%) Hepatocyte, Artophy 6 (50) (50) (4) (50) Inflammation, Granulomatous 1 (1%) 1 (2%) 1 (2%) 1 (2%) Fall, Accrosis 4 (67%) 1 (5%) (4) (4) Actinar Cell (Vacuolation, Cytoplasmic 1 (2%) 1 (2%) (4) Actinar X, Artophy 1 (2%) 1 (2%) 1 (2%) Solivary Glands (50) (50) (50) (50) <td>Fatty Change</td> <td>2 (4%)</td> <td></td> <td>1 (2%)</td> <td>. ,</td> <td>1 (2%)</td> <td></td>	Fatty Change	2 (4%)		1 (2%)	. ,	1 (2%)	
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Inflammation, Chronic Active 1 (2%) 1 (2%) 2 (4%) Intrahepatocellular Erythrocytes 3 (6%) 1 (2%) 1 (2%) Necrosis 2 (4%) 1 (2%) 1 (2%) 8 (16%) Pigment 1 (2%) 1 (2%) 8 (16%) Bile Duct, Cyst 1 (2%) 1 (2%) 1 (2%) Hepatocyte, Atrophy 1 (2%) 1 (2%) 1 (2%) Inflammation, Granulomatous 1 (1%) 1 (2%) 1 (2%) Fat, Necrosis 4 (67%) 1 (50%) 4 (9%) 1 (2%) Inflammation, Granulomatous 1 (1%) 1 (2%) 1 (2%) 1 (2%) Acinar Cell, Vacculation, Cytoplasmic 1 (2%) 1 (2%) 1 (2%) 1 (2%) Acinus, Atrophy 3 (6%) 1 (2%) 1 (2%) 1 (2%) 1 (2%) Acinus, Atrophy 1 (2%) 1 (2%) 1 (2%) 1 (2%) 1 (2%) Acinus, Atrophy 1 (2%) 1 (2%) 1 (2%) 1 (2%) 1 (2%) Duct, Cyst 1 (2%) 1 (2%) 1 (2%) 1 (2	Infiltration Cellular, Lymphocyte			3 (6%)			
Intrahepatocellular Erythrocytes 2 (4%) 1 (2%) 2 (4%) Mixed Cell Focus 3 (6%) 1 (2%) 1 (2%) Necrosis 2 (4%) 2 (4%) 1 (2%) 8 (6%) Pigment 12%) - - - Tension Lipidosis 2 (4%) 2 (4%) 4 (6%) 1 (2%) Bile Duct, Cyst 1 (2%) - - - Hepatocyte, Atrophy 1 (2%) - - - Mesentery (6) (2) (0) (2) (1) Inflitration Calulantous 1 (17%) - - - Parcreas (50) (50) (50) (49) (50) Inflitration Calulation, Cytoplasmic 1 (2%) - - - Acians Atrophy 3 (5%) 1 (2%) 1 (2%) - - Acians Atrophy 3 (5%) 1 (2%) - 1 (2%) - - Duct, Cyst - 1 (2%) - 1 (2%) -	Inflammation, Chronic Active		1 (2%)	1 (2%)			
Mked Cell Focus 3 (6%) 1 (2%) 8 (16%) Pigment 1 (2%) 8 (16%) Tension Lipidosis 2 (4%) 2 (4%) 4 (6%) 1 (2%) Bile Duc Cyst 1 (2%) 1 (2%) 1 (2%) Hepatocyte, Atrophy 1 (2%) 1 (2%) 1 (2%) Mesentery 6) (2) (0) (2) (1) Inflarmation, Granulomatous 1 (17%) 1 (2%) 1 (2%) 1 (2%) Pancreas 4 (67%) 1 (2%) 500 (49) (50) Inflarmation, Granulomatous 1 (2%) 1 (2%) 1 (2%) 1 (2%) Acinus, Atrophy 1 (2%) 1 (2%) 1 (2%) 1 (2%) Acinus, Atrophy 1 (2%) 1 (2%) 1 (2%) 1 (2%) Acinus, Atrophy 1 (2%) 1 (2%) 1 (2%) 1 (2%) Acinus, Atrophy 1 (2%) 1 (2%) 1 (2%) 1 (2%) Duct, Cyst 1 (2%) 1 (2%) 1 (2%) 1 (2%) Duct, Cyst 1 (2%)	Intrahepatocellular Erythrocytes	2 (4%)	1 (2%)	1 (2%)	2 (4%)		
Nerrosis 2 (4%) 1 (2%) 1 (2%) 8 (16%) Pigment 1 (2%) -	Mixed Cell Focus			3 (6%)		1 (2%)	
$\begin{array}{c c c c } & 1 (2\%) &$	Necrosis	2 (4%)		1 (2%)	1 (2%)	8 (16%)	
Tension Lipidosis 2 (4%) 2 (4%) 4 (8%) 1 (2%) Bile Duct, Cyst 1 (2%) 1 1 Hepatocyte, Atrophy 1 (2%) 1 2%) Mesentery (6) (2) (0) (2) (1) Inflammation, Granulomatous 1 (1%) 1 5% 1 5% Pancreas (50) (50) (50) (49) (50) Inflitration Cellular, Adipocyte 1 (2%) 1 (2%) 1 5% Acinus, Atrophy 3 (6%) 1 (2%) 1 (2%) 1 5% Acinus, Hypertrophy 3 (6%) 1 (2%) 1 (2%) 1 5% Salivary Glands (50) (50) (50) (50) 5% 5% Acinus, Hypertrophy 1 (2%) 1 (2%) 1 (2%) 1 (2%) 1 (2%) Juct, Hypertrophy 1 (2%) 1 (2%) 1 (2%) 1 (2%) 1 (2%) Solivary Glands (50) (50) (50) (50) (50) 1 (2%) </td <td>Pigment</td> <td>1 (2%)</td> <td></td> <td></td> <td></td> <td></td> <td></td>	Pigment	1 (2%)					
Bile Duct, Cyst 1 (2%) Hepatocyte, Atrophy 1 (2%) 1 (2%) Mesenetry (6) (2) (0) (2) (1) Inflammation, Granulomatous 1 (17%) (7) (7) (7) Fat, Necrosis 4 (67%) 1 (50%) (50) (50) (50) (50) (50) Inflitration Cellular, Adipocyte 1 (2%) 1 (2%) (49) (50) Acinus, Atrophy 3 (6%) 1 (2%) 1 (2%) (2%) (50) Acinus, Atrophy 3 (6%) (50) (50) (50) (50) (50) Out, Cyst 1 (2%) 1 (2%) 1 (2%) 1 (2%) (2%) (2%) Salivary (Slands (50) (50) (50) (50) (50) (50) (50) Atrophy 1 (2%) 1 (2%) 1 (2%) 1 (2%) 1 (2%) 1 (2%) Duct, Cyst 1 (2%) (50) (50) (50) (50) (50) (50) (50) (50) (50) </td <td>Tension Lipidosis</td> <td>2 (4%)</td> <td>2 (4%)</td> <td>4 (8%)</td> <td>1 (2%)</td> <td></td> <td></td>	Tension Lipidosis	2 (4%)	2 (4%)	4 (8%)	1 (2%)		
Hepatocyte, Atrophy 1 (2%) 1 (2%) Mesentery 6 (2) (0) (2) (1) Inflammation, Granulomatous 1 (17%) $ -$ Fat, Necrosis 4 (67%) 1 (50%) (50) (49) (50) Pancreas (50) (50) (50) (49) (50) Inflitration Cellular, Adipocyte 1 (2%) $ -$ Acinus, Atrophy 3 (6%) 1 (2%) 1 (2%) $ -$ Acinus, Hypetrophy 1 (2%) $ -$ Duct, Cyst $ -$ Salivary Glands (50) (50) (50) (50) (50) $ -$ Polyarteritis Nodosa 1 (2%) $ -$ Duct, Hyperplasia $ -$ Duct, Hyperplasia, Focal (50) (50) (50) (50) (50) (50) (50) (50)<	Bile Duct, Cyst	1 (2%)					
Mesentery (6) (2) (0) (2) (1) Inflammation, Granulomatous 1 (17%) </td <td>Hepatocyte, Atrophy</td> <td>1 (2%)</td> <td></td> <td>1 (2%)</td> <td></td> <td></td> <td></td>	Hepatocyte, Atrophy	1 (2%)		1 (2%)			
Inflammation, Granulomatous1 (17%)Fat, Necrosis4 (67%)1 (50%)Pancreas(50)(50)(60)(49)(50)Inflitration Cellular, Adipocyte1 (2%)1 (2%)1Acinar Cell, Vacuolation, Cytoplasmic1 (2%)1 (2%)1 (2%)Acinus, Atrophy3 (6%)1 (2%)1 (2%)1 (2%)Acinus, Hypertrophy1 (2%)1 (2%)1 (2%)Duct, Cyst1 (2%)1 (2%)(50)(50)Atrophy(50)(50)(50)(50)Atrophy1 (2%)1 (2%)1 (2%)Polyarteritis Nodosa1 (2%)1 (2%)1 (2%)Duct, Hyperplasia(50)(50)(50)(50)Diverticulum1 (2%)1 (2%)1 (2%)Ucer1 (2%)1 (2%)1 (2%)Epithelium, Hyperplasia, Focal(50)(50)(50)Stomach, Glandular(50)(50)(50)(50)Mineral1 (2%)1 (2%)1 (2%)1 (2%)Polyarteritis Nodosa1 (2%)1 (2%)1 (2%)1 (2%)Polyarteritis Nodosa1 (2%)1 (2%)1 (2%)1 (2%)Epithelium, Hyperplasia(50)(50)(50)(50)Mineral1 (2%)1 (2%)1 (2%)1 (2%)Polyarteritis Nodosa(2%)1 (2%)1 (2%)1 (2%)Epithelium, Hyperplasia(0)(0)(0)(0)	Mesentery	(6)	(2)	(0)	(2)	(1)	
Fat, Necrosis4 (67%)1 (50%)Pancreas(50)(50)(50)(49)(50)Infiltration Cellular, Adipocyte1 (2%)Acinar Cell, Vacuolation, Cytoplasmic1 (2%)Acinus, Atrophy3 (6%)1 (2%)1 (2%)Acinus, Atrophy3 (6%)1 (2%)1 (2%)Duct, Cyst $1 (2\%)$ $1 (2\%)$ Salivary Glands(50)(50)(50)(50)(50)Atrophy1 (2%) $1 (2\%)$ $1 (2\%)$ $1 (2\%)$ Duct, Lyst $1 (2\%)$ $1 (2\%)$ $1 (2\%)$ $1 (2\%)$ Duct, Hyperplasia $1 (2\%)$ $1 (2\%)$ $1 (2\%)$ $1 (2\%)$ Duct, Forestomach(50)(50)(50)(50)(50)Divericulum $1 (2\%)$ $1 (2\%)$ $1 (2\%)$ $1 (2\%)$ Ucer $1 (2\%)$ $1 (2\%)$ $1 (2\%)$ $1 (2\%)$ Stomach, Glandular(50)(50)(50)(50)(50)Mineral $1 (2\%)$ $1 (2\%)$ $1 (2\%)$ $1 (2\%)$ $1 (2\%)$ Polyateritis Nodosa $1 (2\%)$ $1 (2\%)$ $1 (2\%)$ $1 (2\%)$ $1 (2\%)$ Epithelium, Hyperplasia, Focal $1 (2\%)$ $1 (2\%)$ $1 (2\%)$ $1 (2\%)$ $1 (2\%)$ Polyateritis Nodosa $1 (2\%)$ $1 (2\%)$ $1 (2\%)$ $1 (2\%)$ $1 (2\%)$ $1 (2\%)$ Polyateritis Nodosa $1 (2\%)$ $1 (2\%)$ $1 (2\%)$ $1 (2\%)$ $1 (2\%)$ $1 (2\%)$ Polyateritis Nodosa $1 (2\%)$ <td>Inflammation, Granulomatous</td> <td>1 (17%)</td> <td></td> <td></td> <td></td> <td></td> <td></td>	Inflammation, Granulomatous	1 (17%)					
Pancreas (50) (50) (50) (49) (50) Infiltration Cellular, Adipocyte 1 (2%) -	Fat, Necrosis	4 (67%)	1 (50%)				
Infiltration Cellular, Adipocyte 1 (2%) Acinar Cell, Vacuolation, Cytoplasmic 1 (2%) Acinus, Atrophy 3 (6%) 1 (2%) Acinus, Atrophy 3 (6%) 1 (2%) Acinus, Hypertrophy 1 (2%) 1 (2%) Duct, Cyst 1 (2%) 1 (2%) Salivary Glands (50) (50) (50) (50) Atrophy 1 (2%) 1 (2%) 1 (2%) Infiltration Cellular, Lymphocyte 1 (2%) 1 (2%) 1 (2%) Polyarteritis Nodosa 1 (2%) 1 (2%) 1 (2%) Duct, Hyperplasia 50) (50) (50) (50) Diverticulum 1 (2%) 1 (2%) 1 (2%) Ulcar 1 (2%) 1 (2%) 1 (2%) Ulcar (50) (50) (50) (50) Infiltration Cellular, Lymphocyte 1 (2%) 1 (2%) 1 (2%) Duct, Hyperplasia, Focal (50) (50) (50) (50) Diverticulum (20) (50) (50) (50) (50) Mineral 1 (2%) 1 (2%) 1 (2%)<	Pancreas	(50)	(50)	(50)	(49)	(50)	
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Acinus, Atrophy 3 (6%) 1 (2%) 1 (2%) Acinus, Hypertrophy 1 (2%) 1 (2%) Duct, Cyst 1 (2%) 1 (2%) Salivary Glands (50) (50) (50) (50) Salivary Glands (50) (50) (50) (50) Atrophy 1 (2%) 1 (2%) 1 Infiltration Cellular, Lymphocyte 1 (2%) 1 (2%) 1 Polyarteritis Nodosa 1 (2%) 1 (2%) 1 (2%) Duct, Hyperplasia 1 (2%) 1 (2%) 1 (2%) Stomach, Forestomach (50) (50) (50) (50) Diverticulum 1 (2%) 1 (2%) 1 (2%) 1 (2%) Ulcer 1 (2%) 1 (2%) 1 (2%) 1 (2%) Stomach, Glandular (50) (50) (50) (50) Mineral 1 (2%) 1 (2%) 1 (2%) 1 (2%) Polyarteritis Nodosa 1 (2%) 1 (2%) 1 (2%) 1 (2%) Mineral 1 (2%) 1 (2%) 1 (2%) 1 (2%) Polyarteritis Nodosa 1 (2%)	Acinar Cell, Vacuolation, Cytoplasmic	1 (2%)					
Acinus, Hypertrophy 1 (2%) Duct, Cyst 1 (2%) Salivary Glands (50) (50) (50) Atrophy 1 (2%) 1 (2%) Atrophy 1 (2%) 1 (2%) Infiltration Cellular, Lymphocyte 1 (2%) 1 (2%) Polyateritis Nodosa 1 (2%) 1 (2%) Stomach, Forestomach (50) (50) (50) (50) Diverticulum 1 (2%) 1 (2%) 1 (2%) 1 (2%) Ulcer 1 (2%) 1 (2%) 1 (2%) 1 (2%) Ulcer 1 (2%) 1 (2%) 1 (2%) 1 (2%) Stomach, Glandular (50) (50) (50) (50) Mineral 1 (2%) 1 (2%) 1 (2%) 1 (2%) Polyatteritis Nodosa 1 (2%) 1 (2%) 1 (2%) 1 (2%) Polyatteritis Nodosa 1 (2%) 1 (2%) 1 (2%) 1 (2%) Tongue (0) (0) (1) (0) (0)	Acinus, Atrophy	3 (6%)	1 (2%)	1 (2%)	1 (2%)		
Duct, Cyst 1 (2%) Salivary Glands (50) (50) (50) (50) Atrophy 1 (2%) 1 1 Infiltration Cellular, Lymphocyte 1 (2%) 1 1 Polyateritis Nodosa 1 (2%) 1 1 2%) Duct, Hyperplasia 1 1 2%) 1 2%) Stomach, Forestomach (50)	Acinus, Hypertrophy		1 (2%)				
Salivary Glands (50) (50) (50) (50) (50) Atrophy 1 (2%) 1	Duct, Cyst				1 (2%)		
Atrophy 1 (2%) Infiltration Cellular, Lymphocyte 1 (2%) Polyarteritis Nodosa 1 (2%) Duct, Hyperplasia 1 (2%) Stomach, Forestomach (50) (50) (50) Diverticulum 1 (2%) 1 (2%) 1 (2%) Ulcer 1 (2%) 1 (2%) 1 (2%) Stomach, Glandular (50) (50) (50) (50) Nineral 1 (2%) 1 (2%) 1 (2%) 1 (2%) 1 (2%) Polyarteritis Nodosa 1 (2%) 1 (2%) 1 (2%) 1 (2%) 1 (2%) Polyarteritis Nodosa 1 (2%) 1 (2%) 1 (2%) 1 (2%) 1 (2%) Tongue 0() (0) (1) (0) (0)	Salivary Glands	(50)	(50)	(50)	(50)	(50)	
Infiltration Cellular, Lymphocyte 1 (2%) Polyarteritis Nodosa 1 (2%) Duct, Hyperplasia 1 (2%) Stomach, Forestomach (50) (50) (50) Diverticulum 1 (2%) 1 (2%) Ulcer 1 (2%) 1 Epithelium, Hyperplasia, Focal 2 (4%) 1 (2%) Stomach, Glandular (50) (50) (50) Mineral 1 (2%) 1 (2%) 1 (2%) Polyarteritis Nodosa 1 (2%) 1 (2%) 1 (2%) Epithelium, Hyperplasia, Focal 1 (2%) 1 (2%) 1 (2%) Mineral 1 (2%) 1 (2%) 1 (2%) 1 (2%) Polyarteritis Nodosa 1 (2%) 1 (2%) 1 (2%) 1 (2%) Epithelium, Hyperplasia 1 (2%) 1 (2%) 1 (2%) 1 (2%) Tongue (0) (0) (1) (0) (0)	Atrophy		1 (2%)				
Polyarteritis Nodosa 1 (2%) Duct, Hyperplasia 1 (2%) Stomach, Forestomach (50) (50) (50) (50) Diverticulum 1 (2%) (50) (50) (50) (50) Ulcer 1 (2%) 1 (2%) 1 (2%) Stomach, Glandular (50) (50) (50) (50) (50) Mineral 1 (2%) 1 (2%) 1 (2%) 1 (2%) 1 (2%) 1 (2%) Polyarteritis Nodosa 1 (2%) 1 (2%) 1 (2%) 1 (2%) 1 (2%) 1 (2%) Epithelium, Hyperplasia 1 (2%) 1 (2%) 1 (2%) 1 (2%) 1 (2%) 1 (2%) Tongue (0) (0) (0) (0) (0)	Infiltration Cellular, Lymphocyte			1 (2%)			
Duct, Hyperplasia 1 (2%) Stomach, Forestomach (50) (50) (50) (50) Diverticulum 1 (2%) 1 <t< td=""><td>Polyarteritis Nodosa</td><td>1 (2%)</td><td></td><td></td><td></td><td>1 (2%)</td><td></td></t<>	Polyarteritis Nodosa	1 (2%)				1 (2%)	
Stomach, Forestomach (50) (50) (50) (50) Diverticulum 1 (2%) 1 -	Duct, Hyperplasia					1 (2%)	
Diverticulum 1 (2%) Ulcer 1 (2%) Epithelium, Hyperplasia, Focal 2 (4%) 1 (2%) Stomach, Glandular (50) (50) (50) Mineral 1 (2%) 1 (2%) 1 (2%) 1 (2%) Polyarteritis Nodosa 1 (2%) 1 (2%) 1 (2%) 1 (2%) Epithelium, Hyperplasia 1 (2%) 1 (2%) 1 (2%) 1 (2%) Tongue (0) (0) (1) (0) (0)	Stomach, Forestomach	(50)	(50)	(50)	(50)	(50)	
Ulcer 1 (2%) Epithelium, Hyperplasia, Focal 2 (4%) 1 (2%) Stomach, Glandular (50) (50) (50) Mineral 1 (2%) 1 (2%) 1 (2%) Polyarteritis Nodosa 1 (2%) 1 (2%) 1 (2%) Epithelium, Hyperplasia 1 (2%) 1 (2%) 1 (2%) Tongue (0) (0) (1) (0) (0)	Diverticulum	1 (2%)					
Epithelium, Hyperplasia, Focal 2 (4%) 1 (2%) Stomach, Glandular (50) (50) (50) (50) Mineral 1 (2%) 1 (2%) 1 (2%) 1 (2%) Polyarteritis Nodosa 1 (2%) 1 (2%) 1 (2%) 1 (2%) Epithelium, Hyperplasia 1 (2%) 1 (2%) 1 (2%) 1 (2%) Tongue (0) (0) (1) (0) (0)	Ulcer		1 (2%)				
Stomach, Glandular (50) (50) (50) (50) Mineral 1 (2%) 1 (2%) 1 (2%) 1 (2%) 1 (2%) Polyarteritis Nodosa 1 (2%) 1 (2%) 1 (2%) 1 (2%) Epithelium, Hyperplasia 1 (2%) 1 (2%) 1 (0) 0	Epithelium, Hyperplasia, Focal		2 (4%)	1 (2%)			
Mineral 1 (2%) 1 (2%) 1 (2%) 1 (2%) 1 (2%) Polyarteritis Nodosa 1 (2%) 1 (2%) 1 (2%) 1 (2%) Epithelium, Hyperplasia 1 (2%) 1 (2%) 0 0 Tongue (0) (0) (1) (0) (0)	Stomach, Glandular	(50)	(50)	(50)	(50)	(50)	
Polyarteritis Nodosa1 (2%)Epithelium, Hyperplasia1 (2%)Tongue(0)(1)(0)(0)(0)(1)	Mineral	1 (2%)	1 (2%)	1 (2%)	1 (2%)	1 (2%)	
Epithelium, Hyperplasia 1 (2%) Tongue (0) (0) (1) (0) (0)	Polyarteritis Nodosa	1 (2%)					
Tongue (0) (0) (1) (0) (0)	Epithelium, Hyperplasia		1 (2%)				
	Tongue	(0)	(0)	(1)	(0)	(0)	

Experiment Number: 00058 - 04 Test Type: CHRONIC Route: GAVAGE Species/Strain: MICE/B6C3F1/N	P03: INCIDENCE R	Date Report Requested: 12/10/2020 Time Report Requested: 11:32:38 First Dose M/F: NA / 04/09/12 Lab: BAT			
B6C3F1/N MICE FEMALE	0 mg/kg	30 mg/kg	100 mg/kg	300 mg/kg	1000 mg/kg
Tooth Inflammation, Acute Necrosis	(0)	(3) 1 (33%)	(0)	(2) 1 (50%) 1 (50%)	(0)
CARDIOVASCULAR SYSTEM					
Aorta Polyarteritis Nodosa	(1) 1 (100%)	(0)	(0)	(0)	(1)
Blood Vessel Infiltration Cellular, Lymphocyte	(50)	(48) 1 (2%)	(49)	(49)	(49)
Heart Cardiomyopathy Mineral Polyarteritis Nodosa	(50) 8 (16%) 1 (2%) 2 (4%)	(50) 5 (10%)	(50) 8 (16%)	(50) 11 (22%)	(50) 12 (24%)
Valve, Degeneration, Myxomatous Valve, Inflammation, Acute Valve, Inflammation, Chronic Active	1 (2%) 1 (2%)				1 (2%)
ENDOCRINE SYSTEM					
Adrenal Cortex Hyperplasia, Focal	(50) 1 (2%)	(50)	(50)	(50)	(50)
Hypertrophy, Focal Infiltration Cellular, Lymphocyte	1 (2%)	1 (2%)		1 (2%)	1 (2%)
Vacuolation, Cytoplasmic, Focal Bilateral, Vacuolation, Cytoplasmic, Focal	2 (4%)		4 (00()	1 (2%)	
Adrenal Medulla Hyperplasia, Focal	(50) 1 (2%)	(50)	(50)	(50)	(50) 1 (2%)
Islets, Pancreatic Atrophy	(50)	(50)	(50)	(50) 1 (2%)	(50)
Hyperplasia Parathyroid Gland Pituitary Gland Hemorrhage	7 (14%) (41) (49)	(45) (49)	3 (6%) (42) (50)	(41) (50) 1 (2%)	1 (2%) (42) (50)

Experiment Number: 00058 - 04 Test Type: CHRONIC	P03: INCIDENCE R	Date Report Requested: 12/10/2020 Time Report Requested: 11:32:38				
Route: GAVAGE		CAS Number: 84776-26-1				
Species/Strain: MICE/B6C3F1/N						
B6C3F1/N MICE FEMALE	0 mg/kg	30 mg/kg	100 mg/kg	300 mg/kg	1000 mg/kg	
Pars Distalis, Atypia Cellular	1 (2%)					
Pars Distalis, Hyperplasia, Focal	8 (16%)	8 (16%)	10 (20%)	7 (14%)	8 (16%)	
Pars Distalis, Hypertrophy	2 (4%)	1 (2%)		3 (6%)	4 (8%)	
Pars Intermedia, Hyperplasia, Focal	1 (2%)					
Thyroid Gland	(50)	(50)	(49)	(49)	(50)	
Cvst. Congenital	()	()	(-)	(-)	1 (2%)	
Infiltration Cellular, Lymphocyte		1 (2%)			. (_,,)	
Bilateral, Follicle, Dilation		. (_,,,,			1 (2%)	
Follicle Dilation		1 (2%)	1 (2%)	1 (2%)	5 (10%)	
Follicular Cell, Hyperplasia		. (_,,,,	1 (2%)	. (_,,,)		
			. (_ /)			
GENERAL BODY SYSTEM						
Peritoneum	(0)	(0)	(0)	(1)	(0)	
Tissue NOS	(0)	(0)	(1)	(0)	(0)	
Fat, Necrosis			1 (100%)			
GENITAL SYSTEM						
Clitoral Gland	(50)	(49)	(50)	(50)	(49)	
Ovary	(49)	(50)	(50)	(50)	(50)	
Angiectasis			2 (4%)		1 (2%)	
Atrophy	35 (71%)	38 (76%)	34 (68%)	39 (78%)	30 (60%)	
Cyst, Epithelial, Multiple		2 (4%)	1 (2%)			
Cyst, Epithelial	3 (6%)	4 (8%)	2 (4%)	3 (6%)	6 (12%)	
Fatty Change			1 (2%)			
Hemorrhage			1 (2%)	1 (2%)		
Infiltration Cellular, Lymphocyte	2 (4%)		1 (2%)	· · /		
Pigment	\ ···/		1 (2%)			
Polyarteritis Nodosa			(· · · /		1 (2%)	
Thrombus	1 (2%)	1 (2%)	1 (2%)		1 (2%)	
Bilateral, Follicle, Cvst	. (=/-)		1 (2%)		1 (2%)	
Bursa, Cvst			2 (4%)		1 (2%)	
Follicle Cyst	10 (20%)	3 (6%)	4 (8%)	5 (10%)	8 (16%)	
Follicle Cyst Multiple		1 (2%)	. (070)	0 (1070)		
		· (~ / · /)				

Experiment Number: 00058 - 04

Test Type: CHRONIC

Species/Strain: MICE/B6C3F1/N

Route: GAVAGE

P03: INCIDENCE RATES OF NON-NEOPLASTIC LESIONS BY ANATOMIC SITE(a)

Black Cohosh

CAS Number: 84776-26-1

Date Report Requested: 12/10/2020 Time Report Requested: 11:32:38 First Dose M/F: NA / 04/09/12 Lab: BAT

B6C3F1/N MICE FEMALE	0 mg/kg	30 mg/kg	100 mg/kg	300 mg/kg	1000 mg/kg	
Germinal Epithelium, Hyperplasia	1 (2%)		1 (2%)		1 (2%)	
Interstitial Cell, Hyperplasia		1 (2%)	3 (6%)	2 (4%)	1 (2%)	
Paraovarian Tissue, Cyst				1 (2%)		
Rete Ovarii, Cyst	1 (2%)			2 (4%)	1 (2%)	
Uterus	(50)	(50)	(50)	(50)	(50)	
Adenomyosis		1 (2%)	. ,			
Angiectasis	2 (4%)	2 (4%)	1 (2%)		3 (6%)	
Dilation		1 (2%)	(
Hemorrhage					1 (2%)	
Inflammation, Acute	5 (10%)	1 (2%)	2 (4%)	5 (10%)		
Polyarteritis Nodosa	()				1 (2%)	
Thrombus				2 (4%)		
Endometrium, Hyperplasia, Cystic	41 (82%)	31 (62%)	45 (90%)	41 (82%)	45 (90%)	
Endometrium, Metaplasia, Squamous	2 (4%)		- ()	1 (2%)	1 (2%)	
Vagina	(50)	(50)	(49)	(49)	(50)	
Congestion	()	()	()	(,	1 (2%)	
Inflammation. Acute	21 (42%)	6 (12%)	8 (16%)	6 (12%)	3 (6%)	
Polvarteritis Nodosa	_ ((_ /))				1 (2%)	
Epithelium, Hyperplasia, Cystic		1 (2%)			. (_,,,,	
Epithelium, Hyperplasia, Squamous	31 (62%)	38 (76%)	41 (84%)	37 (76%)	33 (66%)	
HEMATOPOIETIC SYSTEM						
Bone Marrow	(50)	(50)	(50)	(50)	(50)	
Angiectasis					1 (2%)	
Fibrosis				1 (2%)		
Hypercellularity	1 (2%)	2 (4%)	5 (10%)	5 (10%)	3 (6%)	
Necrosis			1 (2%)			
Lymph Node	(6)	(1)	(2)	(5)	(7)	
Lumbar, Angiectasis			1 (50%)			
Lumbar, Hyperplasia, Lymphocyte			(),		1 (14%)	
Lymph Node, Mandibular	(50)	(49)	(50)	(50)	(50)	
Atrophy	1 (2%)	1 (2%)	x - /	1 (2%)	· · /	
Hyperplasia, Lymphocyte	X · · · /	4 (8%)	5 (10%)		7 (14%)	
Infiltration Cellular, Plasma Cell		· /	1 (2%)	1 (2%)	1 (2%)	

Experiment Number: 00058 - 04

Test Type: CHRONIC

Species/Strain: MICE/B6C3F1/N

Route: GAVAGE

P03: INCIDENCE RATES OF NON-NEOPLASTIC LESIONS BY ANATOMIC SITE(a) Black Cohosh

CAS Number: 84776-26-1

Date Report Requested: 12/10/2020 Time Report Requested: 11:32:38 First Dose M/F: NA / 04/09/12 Lab: BAT

B6C3F1/N MICE FEMALE	0 mg/kg	30 mg/kg	100 mg/kg	300 mg/kg	1000 mg/kg	
Pigment		2 (4%)				
Sinus, Infiltration Cellular, Neutrophil			1 (2%)			
Lymph Node, Mesenteric	(50)	(49)	(50)	(49)	(50)	
Angiectasis			1 (2%)			
Atrophy	1 (2%)		1 (2%)	1 (2%)	1 (2%)	
Extramedullary Hematopoiesis	1 (2%)	1 (2%)	1 (2%)	1 (2%)		
Hemorrhage	1 (2%)					
Hyperplasia, Lymphocyte	11 (22%)	10 (20%)	11 (22%)	4 (8%)	7 (14%)	
Infiltration Cellular, Histiocyte				1 (2%)	1 (2%)	
Infiltration Cellular, Plasma Cell	1 (2%)		1 (2%)	3 (6%)		
Inflammation, Chronic Active					1 (2%)	
Spleen	(50)	(50)	(50)	(50)	(50)	
Extramedullary Hematopoiesis, Increased	17 (34%)	21 (42%)	22 (44%)	14 (28%)	11 (22%)	
Hyperplasia, Lymphocyte	10 (20%)	18 (36%)	10 (20%)	14 (28%)	7 (14%)	
Pigment	2 (4%)	2 (4%)			1 (2%)	
White Pulp, Atrophy	2 (4%)	4 (8%)	3 (6%)	5 (10%)	2 (4%)	
Thymus	(48)	(46)	(48)	(49)	(46)	
Hyperplasia, Epithelial			1 (2%)			
INTEGUMENTARY SYSTEM						
Mammary Gland	(50)	(50)	(50)	(47)	(50)	
Galactocele	(00)	(00)	(00)	(11)	1 (2%)	
Duct Hyperplasia			1 (2%)		(())	
Epithelium Hyperplasia		1 (2%)	1 (2%)		1 (2%)	
Skin	(50)	(50)	(50)	(50)	(50)	
Frosion	(00)	(00)	(00)	1 (2%)		
Infiltration Cellular, Lymphocyte		1 (2%)		. (_,,,,		
Ulcer		. (= /0)	2 (4%)		2 (4%)	
Epidermis Hyperplasia			2 (170)	1 (2%)	- (170)	
Subcutaneous Tissue, Fibrosis	1 (2%)			. (_/)		
MUSCULOSKELETAL SYSTEM						
Bone	(50)	(50)	(50)	(50)	(50)	
• Number of entropy of entropy and entropy of entropy		of a size a la suite la sia	. ,			

Experiment Number: 00058 - 04 Test Type: CHRONIC Route: GAVAGE	P03: INCIDENCE F	Date Report Requested: 12/10/2020 Time Report Requested: 11:32:38 First Dose M/F: NA / 04/09/12				
Species/Strain: MICE/B6C3F1/N					Lab: BAT	
B6C3F1/N MICE FEMALE	0 mg/kg	30 mg/kg	100 mg/kg	300 mg/kg	1000 mg/kg	
Fibro-Osseous Lesion Increased Bone	8 (16%)	3 (6%)	2 (4%) 1 (2%)	2 (4%)	7 (14%) 1 (2%)	
Joint, Degeneration Skeletal Muscle	(1)	(2)	1 (2%) (0)	3 (6%) (1)	(1)	
NERVOUS SYSTEM						
Brain Gliosis	(50)	(50)	(50)	(50)	(50) 1 (2%)	
Hemorrhage				1 (2%)		
Hydrocephalus			2 (4%)		1 (2%)	
Infiltration Cellular, Lymphocyte		2 (4%)			1 (2%)	
Inflammation, Chronic Active	1 (2%)					
Necrosis			1 (2%)			
Polyarteritis Nodosa	2 (4%)			1 (2%)	3 (6%)	
Medulla, Necrosis	1 (2%)					
Peripheral Nerve	(2)	(0)	(0)	(1)	(1)	
Axon, Sciatic, Degeneration					1 (100%)	
Spinal Cord	(2)	(0)	(0)	(1)	(1)	
Polyarteritis Nodosa				1 (100%)		
Axon, Degeneration	1 (50%)			1 (100%)	1 (100%)	
RESPIRATORY SYSTEM						
Lung	(50)	(50)	(50)	(50)	(50)	
Hemorrhage	1 (2%)	1 (2%)	1 (2%)	(00)		
Infiltration Cellular, Histiocyte	1 (2%)	(=,,,)	(_,,,,,	1 (2%)		
Infiltration Cellular, Lymphocyte	. ()	3 (6%)	1 (2%)	- ()		
Inflammation. Chronic Active		- ()	- ()		1 (2%)	
Piament		1 (2%)			(-··)	
Polvarteritis Nodosa				1 (2%)		
Alveolus, Epithelium, Hyperplasia	2 (4%)	2 (4%)	2 (4%)	1 (2%)	1 (2%)	
Nose	(50)	(50)	(50)	(50)	(50)	
Olfactory Epithelium, Accumulation, Hyaline Droplet	()	()	1 (2%)	()		

BECSP1/N MICE FEMALE 0 mg/kg 30 mg/kg 100 mg/kg 300 mg/kg 1000 mg/kg Offactory Epithelium, Atrophy Offactory Epithelium, Metaplasia, Respiratory Respiratory Epithelium, Metaplasia, Respiratory Pathelium, Accumulation, Hyaline 13 (28%) 7 (14%) 5 (10%) 7 (14%) 3 (6%) Respiratory Epithelium, Metaplasia, Respiratory Pathelium, Inflammation, Acute 2 (4%) 19 (38%) 9 (18%) 13 (26%) 10 (20%) Respiratory Epithelium, Inflammation, Chronic Respiratory Epithelium, Inflammation, Chronic 2 (4%) 1 (2%) 1 (2%) 1 (2%) 1 (2%) Trachea (50) (50) (50) (50) (50) (50) (50) SPECIAL SENSES SYSTEM 1 (2%) 1 (2%) 1 (2%) 1 (2%) 1 (2%) Comea, Inflammation, Acute 1 (2%) 2 (4%) 1 (2%) 1 (2%) Comea, Inflammation, Acute 1 (2%) 1 (2%) 1 (2%) 1 (2%) Comea, Inflammation, Acute 1 (2%) 1 (2%) 1 (2%) 1 (2%) Comea, Inflammation, Acute 1 (2%) 1 (2%) 1 (2%) 1 (2%) Comea, Inflam	Experiment Number: 00058 - 04 Test Type: CHRONIC Route: GAVAGE Species/Strain: MICE/B6C3F1/N	P03: INCIDENCE R	ATES OF NON-NEOP Black (CAS Numbe	Date Report Requested: 12/10/2020 Time Report Requested: 11:32:38 First Dose M/F: NA / 04/09/12 Lab: BAT	12/10/2020 : 11:32:38 /09/12		
Olfactory Epithelium, Atrophy 1 (2%) 1 (2%) 3 (6%) Olfactory Epithelium, Metaplasia, Respiratory 4 (8%) 7 (14%) 5 (10%) 7 (14%) 3 (6%) Respiratory Epithelium, Metaplasia, 17 (34%) 19 (38%) 9 (18%) 13 (26%) 10 (20%) Respiratory Epithelium, Inflammation, Acute 2 (4%) 1 (2%) 1 (2%) 1 (2%) Respiratory Epithelium, Inflammation, Chronic 1 (2%) 1 (2%) 1 (2%) 1 (2%) Respiratory Epithelium, Inflammation, Chronic 1 (2%) 1 (2%) 1 (2%) 1 (2%) Respiratory Epithelium, Inflammation, Chronic 1 (2%) 1 (2%) 1 (2%) 1 (2%) Trachea (50) (50) (50) (50) (50) SPECIAL SENSES SYSTEM Ear (0) (0) (0) (0) (1) (50) Cornea, Inflammation, Acute 1 (2%) 2 (4%) 1 (2%) (2%) (2%) Cornea, Inflammation, Chronic Acute 1 (2%) 1 (2%) (2%) (2%) (2%) Cornea, Inflammation, Chronic Acute 1 (2%)<	B6C3F1/N MICE FEMALE	0 mg/kg	30 mg/kg	100 mg/kg	300 mg/kg	1000 mg/kg	
Olactory Epithelium, Metaplasia, Respiratory 4 (8%) 7 (14%) 5 (10%) 7 (14%) 3 (6%) Respiratory Epithelium, Accumulation, Hyaine 13 (25%) 14 (28%) 15 (30%) 13 (25%) 10 (20%) Respiratory Epithelium, Inflammation, Acute 2 (4%) 1 (2%) 1 (2%) 1 (2%) Respiratory Epithelium, Inflammation, Chronic 1 (2%) 1 (2%) 1 (2%) Respiratory Epithelium, Inflammation, Chronic 1 (2%) 1 (2%) 1 (2%) Active 1 (2%) 1 (2%) 1 (2%) Trachea (50) (50) (50) (50) SPECIAL SENSES SYSTEM 500 (50) (50) (50) Ear (0) (0) (0) (0) (0) (10) Anterior Chamber, Inflammation, Acute 1 (2%) 2 (4%) 1 (2%) (2%) Cornea, Inflammation, Acute 1 (2%) 1 (2%) 1 (2%) (2%) Cornea, Inflammation, Acute 1 (2%) 1 (2%) 1 (2%) (2%) Cornea, Inflammation, Acute 1 (2%) 1 (2%)	Olfactory Epithelium, Atrophy	1 (2%)		1 (2%)		3 (6%)	
Respiratory Epithelium, Accumulation, Hyaline 13 (28%) 14 (28%) 15 (30%) 13 (26%) 10 (20%) Respiratory Epithelium, Inflammation, Acute 2 (4%) 19 (38%) 9 (18%) 13 (26%) 18 (26%) Respiratory Epithelium, Inflammation, Acute 2 (4%) 1 (2%) 1 (2%) 1 (2%) Respiratory Epithelium, Inflammation, Chronic 1 (2%) 1 (2%) 1 (2%) 1 (2%) Trachea (50) (50) (50) (50) (50) (50) SPECIAL SENSES SYSTEM Ear (0) (0) (0) (0) (10) (50) Patheion 1 (2%) 1 (2%) 1 (2%) (50) (50) (50) View Anterior Chamber, Inflammation, Acute 1 (2%) 1 (2%) (50)	Olfactory Epithelium, Metaplasia, Respiratory	4 (8%)	7 (14%)	5 (10%)	7 (14%)	3 (6%)	
Respiratory Epithelium, Hyperplasia 17 (34%) 19 (38%) 9 (18%) 13 (26%) 18 (36%) Respiratory Epithelium, Inflammation, Acute 2 (4%) 1 (2%) 1 (2%) 1 (2%) Respiratory Epithelium, Inflammation, Chronic 1 (2%) 1 (2%) 1 (2%) Active 1 (2%) 1 (2%) 1 (2%) Trachea (50) (50) (50) (50) SPECIAL SENSES SYSTEM Ear (0) (0) (0) (0) (1) Ear (50) (50) (50) (50) (50) (50) Phithisis Bulbi 1 (2%) 2 (4%) 1 (2%) 1 (2%) (2%) Correa, Inflammation, Acute 1 (2%) 1 (2%) 1 (2%) (2%) (2%) Correa, Inflammation, Acute 1 (2%) 1 (2%) 1 (2%) (2%) (2%) Lens, Cataract 3 (6%) 4 (8%) 3 (6%) 1 (2%) (50) (50) (50) Floresis 1 (2%) 1 (2%) 1 (2%) 1 (2%) 1 (2%)	Respiratory Epithelium, Accumulation, Hyaline Droplet	13 (26%)	14 (28%)	15 (30%)	13 (26%)	10 (20%)	
Respiratory Epithelium, Inflammation, Acute 2 (4%) 1 (2%) 1 (2%) 1 (2%) Respiratory Epithelium, Inflammation, Chronic 1 (2%) 1 (2%) 1 (2%) Active 1 (2%) 1 (2%) 1 (2%) Trachea (50) (50) (50) (50) SPECIAL SENSES SYSTEM Ear (0) (0) (0) (1) Eye (50) (50) (50) (50) (50) (50) Phthiss Bulbi 1 (2%) 2 (4%) 1 (2%) (50) (50) Anterior Chamber, Inflammation, Acute 1 (2%) 1 (2%) (2%) (2%) Cornea, Inflammation, Acute 1 (2%) 1 (2%) 1 (2%) (2%) Cornea, Inflammation, Acute 1 (2%) 1 (2%) 1 (2%) (2%) Catarat 1 (2%) 1 (2%) 1 (2%) 1 (2%) URINARY SYSTEM 1 (2%) 1 (2%) 1 (2%) 1 (2%) Kidney (50) (50) (50) (50) (50) 1 (2%)	Respiratory Epithelium, Hyperplasia	17 (34%)	19 (38%)	9 (18%)	13 (26%)	18 (36%)	
Respiratory Epithelium, Inflammation, Chronic 1 (2%) 1 (2%) 1 (2%) Respiratory Epithelium, Inflammation, Chronic 1 (2%) 1 (2%) 1 (2%) Trachea (50) (50) (50) (50) SPECIAL SENSES SYSTEM 5 500 (50) (50) (50) Ear (0) (0) (0) (0) (1) (50) Phthisis Bulbi 1 (2%) 2 (4%) 1 (2%) (50) (50) Anterior Chamber, Inflammation, Acute 1 (2%) 1 (2%) (50) (50) (50) Comea, Inflammation, Acute 1 (2%) 1 (2%) 1 (2%) (2%) (2%) (2%) Comea, Inflammation, Acute 1 (2%) 1 (2%) 1 (2%) (50)	Respiratory Epithelium, Inflammation, Acute	2 (4%)	1 (2%)	1 (2%)		1 (2%)	
Respiratory Epithelium, Inflammation, Chronic 1 (2%) 1 (2%) 1 (2%) Trachea (50) (50) (50) (50) (50) SPECIAL SENSES SYSTEM Ear (0) (0) (0) (0) (1) Physics Bulbi 1 (2%) 2 (4%) (50) (50) (50) Anterior Chamber, Inflammation, Acute 1 (2%) 2 (4%) (2%) (2%) Cornea, Inflammation, Acute 1 (2%) 1 (2%) (2%) (2%) Cornea, Inflammation, Acute 1 (2%) 1 (2%) (2%) (2%) Cornea, Inflammation, Acute 1 (2%) 1 (2%) (2%) (2%) Cornea, Inflammation, Acute 1 (2%) 1 (2%) (50) (50) (50) Lens, Cataract 3 (6%) 1 (2%) 1 (2%) 1 (2%) (50) (50) (50) Fibrosois 1 (2%) 3 (6%) 2 (4%) 1 (2%) 1 (2%) 1 (2%) 1 (2%) 1 (2%) 1 (2%) 1 (2%) 1 (2%) 1 (2%)	Respiratory Epithelium, Inflammation, Chronic				1 (2%)		
Traches (50) (50) (50) (50) (50) (50) SPECIAL SENSES SYSTEM Ear (0) (0) (0) (0) (1) Eye (50) (50) (50) (50) (50) Phthisis Bulbi 1 (2%) 2 (4%) 1 (2%) (2%) Anterior Chamber, Inflammation, Acute 1 (2%) 1 (2%) (2%) Cornea, Inflammation, Acute 1 (2%) 1 (2%) (2%) Cornea, Inflammation, Acute 1 (2%) 1 (2%) (50) Cornea, Inflammation, Chronic Active 1 (2%) 1 (2%) (50) Cornea, Inflammation, Chronic Active 1 (2%) 1 (2%) (50) Cornea, Inflammation, Chronic Active 1 (2%) 1 (2%) (50) Cornea, Inflammation, Chronic Active 1 (2%) 1 (2%) (50) Harderian Gland (50) (50) (50) (50) Hibrarderian Gland 1 (2%) 1 (2%) 1 (2%) 1 (2%) Glomerulosclerosis 1 (2%) 1	Respiratory Epithelium, Inflammation, Chronic Active	1 (2%)		1 (2%)	1 (2%)		
SPECIAL SENSES SYSTEM Ear (0) (0) (0) (0) (1) Eye (50) (50) (50) (50) (50) Phthisis Bulbi 1 (2%) 2 (4%) 1 (2%) 1 (2%) Anterior Chamber, Inflammation, Acute 1 (2%) 1 (2%) 1 (2%) Cliary Body, Inflammation, Acute 1 (2%) 1 (2%) 1 (2%) Cornea, Inflammation, Acute 1 (2%) 1 (2%) 1 (2%) Cornea, Inflammation, Acute 1 (2%) 1 (2%) 1 (2%) Cornea, Inflammation, Acute 1 (2%) 1 (2%) 1 (2%) Cornea, Inflammation, Chronic Active 1 (2%) 1 (2%) 1 (2%) Lens, Cataract 3 (6%) 4 (3%) 3 (6%) Harderian Gland (50) (50) (50) (50) Kidney (50) (50) (50) (50) (50) Glomerulosclerosis 1 (2%) 1 (2%) 1 (2%) 1 (2%) Infarct, Chronic 3 (6%) 2 (4%) 1 (2%) <t< td=""><td>Trachea</td><td>(50)</td><td>(50)</td><td>(50)</td><td>(50)</td><td>(50)</td><td></td></t<>	Trachea	(50)	(50)	(50)	(50)	(50)	
Ear (0) (0) (0) (0) (0) (1) Eye (50) (50) (50) (50) (50) (50) Phthisis Bulbi 1 (2%) 2 (4%) 1 (2%) 1 (2%) (50)<	SPECIAL SENSES SYSTEM						
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$\begin{array}{cccccccccccccccccccccccccccccccccccc$	Cornea, Inflammation, Acute		1 (2%)		1 (2%)		
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Nephropathy, Chronic Progressive13 (26%)14 (28%)10 (20%)20 (40%)17 (34%)Polyarteritis Nodosa1 (2%)1 (2%)1 (2%)1 (2%)Glomerulus, Amyloid1 (2%)1 (2%)1 (2%)	Infiltration Cellular, Lymphocyte	1 (2%)	2 (4%)	1 (2%)	1 (2%)	1 (2%)	
Polyarteritis Nodosa 1 (2%) Glomerulus, Amyloid 1 (2%) Glomerulus, Cyst 1 (2%)	Nephropathy, Chronic Progressive	13 (26%)	14 (28%)	10 (20%)	20 (40%)	17 (34%)	
Glomerulus, Amyloid 1 (2%) Glomerulus, Cyst 1 (2%)	Polyarteritis Nodosa	1 (2%)	. ,	. ,	. ,	. ,	
Glomerulus, Cyst 1 (2%)	Glomerulus, Amyloid	. ,			1 (2%)		
	Glomerulus, Cyst		1 (2%)				

	Black (CAS Numbe	Date Report Requested: 12/10/2020 Time Report Requested: 11:32:38 First Dose M/F: NA / 04/09/12 Lab: BAT		
0 mg/kg	30 mg/kg	100 mg/kg	300 mg/kg	1000 mg/kg
	3 (6%)	1 (2%)		
2 (4%)			1 (2%)	
(50)	(50)	(50)	(50)	(49)
			1 (2%)	
2 (4%)		1 (2%)		
1 (2%)				
			1 (2%)	
	0 mg/kg 2 (4%) (50) 2 (4%) 1 (2%)	O mg/kg 30 mg/kg 2 (4%) (50) 3 (6%) 2 (4%) (50) (50) 2 (4%) (50) (50)	Black Cohosh CAS Number: 84776-26-1 0 mg/kg 30 mg/kg 100 mg/kg 3 (6%) 1 (2%) 1 (2%) 2 (4%) (50) (50) 2 (4%) 1 (2%) 1 (2%) 1 (2%) 1 (2%) 1 (2%)	Black Cohosh CAS Number: 84776-26-1 0 mg/kg 30 mg/kg 100 mg/kg 300 mg/kg 3 (6%) 1 (2%) 2 (4%) 1 (2%) (50) (50) (50) 1 (2%) 1 (2%) 1 (2%) 1 (2%) 1 (2%) 1 (2%)

*** END OF REPORT ***