

Experiment Number: 10987 - 02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: MICE/B6C3F1/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
Dibutyl Phthalate
CAS Number: 84-74-2

Date Report Requested: 06/04/2018
Time Report Requested: 09:07:59
First Dose M/F: 08/17/10 / 08/16/10
Lab: BAT

Mice_Final Version 1

NTP Study Number: C10987
Lock Date: 11/26/2013
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

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B6C3F1/N MICE MALE	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	
		7	4	7	7	7	7	6	7	7	7	6	7	7	7	7	7	7	7	7	7	7	7	7	7	
0 ppm	ANIMAL ID	3	9	3	1	3	3	1	6	3	3	9	3	3	1	3	3	3	3	3	3	3	3	3		
		2	2	1	8	2	1	9	6	0	2	2	4	0	1	2	2	2	0	2	1	0	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	0
		0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2

males
(cont...)

ALIMENTARY SYSTEM

Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Gallbladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Inflammation, Chronic Active																								
Ulcer			4																					
Peyer's Patch, Hyperplasia, Lymphocyte																			4					4
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Angiectasis																								2
Basophilic Focus																						X		
Clear Cell Focus																		X		X				
Eosinophilic Focus									X	X		X			X									
Fatty Change		2										1			1									
Hemorrhage																			2					
Inflammation, Chronic Active																								
Mixed Cell Focus													X							X	X			X
Necrosis													1						3					3

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
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B6C3F1/N MICE MALE 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
	7	4	7	7	7	7	7	6	7	7	7	6	7	7	7	7	7	7	7	7	7	
	3	9	3	1	3	3	1	6	3	3	3	9	3	3	1	3	3	3	3	3	3	
	2	2	1	8	2	1	9	6	0	2	2	4	0	1	2	2	2	0	2	1	0	
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	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	2	2	2
	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2
																					males (cont...)	

Pigment																							
Tension Lipidosis															X								
Thrombus																							1
Bile Duct, Accumulation, Hyaline Droplet																							2
Bile Duct, Inflammation, Chronic Active Hepatocyte, Multinucleated																							
	1													1									1
<hr/>																							
Mesentery																							
Fat, Necrosis																							
<hr/>																							
Pancreas																							
Fibrosis	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Acinus, Atrophy																							
<hr/>																							
Salivary Glands																							
Infiltration Cellular, Mononuclear Cell	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
<hr/>																							
Stomach, Forestomach																							
Ulcer	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Epithelium, Hyperplasia																							
<hr/>																							
Stomach, Glandular																							
Metaplasia, Squamous Epithelium, Hyperplasia	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
<hr/>																							
Tooth																							
Dysplasia																							

CARDIOVASCULAR SYSTEM

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

Blood Vessel	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
Cardiomyopathy																										
Inflammation				1												1										
Mineral																	1									

ENDOCRINE SYSTEM

Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			
Hypertrophy, Focal																											
Bilateral, Hypertrophy, Focal																											
Subcapsular, Hyperplasia	1		1							1				1			1	1	1	2	1	1	1				
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			
Hyperplasia																											
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			
Hyperplasia					2			1			2		1		4			1			1		1				
Parathyroid Gland	+	M	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	M	M	+	+	M		
Pituitary Gland	M	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+		
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
Follicle, Degeneration																											

GENERAL BODY SYSTEM

NONE

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

GENITAL SYSTEM

Epididymis	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Inflammation, Chronic																								
Bilateral, Hypospermia																								
Bilateral, Duct, Exfoliated Germ Cell		2									1													
Duct, Exfoliated Germ Cell					1										2									
Preputial Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Inflammation, Chronic Active																								
Prostate	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Seminal Vesicle	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Bilateral, Atrophy																								
Testis	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Bilateral, Germinal Epithelium, Degeneration		1										3			2									
Bilateral, Interstitial Cell, Atrophy		3																						
Germinal Epithelium, Degeneration					1																			

HEMATOPOIETIC SYSTEM

Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hypercellularity													3										
Hypocellularity																					1		
Lymph Node					+																		
Lymph Node, Mandibular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

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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 ppm	7	4	7	7	7	7	7	6	7	7	7	6	7	7	7	7	7	7	7	7	7	7	7	7	7	0		
	3	9	3	1	3	3	1	6	3	3	3	9	3	3	1	3	3	3	3	3	3	3	3	3	3	0		
	2	2	1	8	2	1	9	6	0	2	2	4	0	1	2	2	2	0	2	2	1	0	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	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	2	2	2	2	2	0		
	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	0		
Hyperplasia, Lymphoid	3								2																			
Lymph Node, Mesenteric	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+				
Angiectasis																2												
Hemorrhage				2																								
Hyperplasia, Lymphocyte												4								4	4							
Infiltration Cellular, Mixed Cell																								2				
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+				
Extramedullary Hematopoiesis		1	1			1						2		3						2	1							
Hyperplasia, Lymphocyte												3		1						3		1						
Pigment			2																									
White Pulp, Atrophy		3		3			3																					
Thymus	+	+	+	M	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+				
Atrophy	1	4	2				2	3																2				
INTEGUMENTARY SYSTEM																												
Mammary Gland	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	+	M	M	M	M	M	M		
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			
Hair Follicle, Inflammation, Chronic Active								2																				
Subcutaneous Tissue, Infiltration Cellular, Mononuclear Cell																												
MUSCULOSKELETAL SYSTEM																												
Bone	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			
NERVOUS SYSTEM																												

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

Brain	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Neuron, Necrosis											2											

RESPIRATORY SYSTEM

Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Fibrosis																						
Hemorrhage																			2			
Infiltration Cellular, Histiocyte																	2					
Infiltration Cellular, Mononuclear Cell																						
Alveolar Epithelium, Hyperplasia			4		2												1					

Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Eosinophilic Material	1	1	1	1		1	1		1	1	1	1	1	1	1	1	1	1	1	1	1	1
Inflammation		1		1																		
Olfactory Epithelium, Atrophy											2											
Olfactory Epithelium, Metaplasia, Respiratory	1									1												
Respiratory Epithelium, Accumulation, Hyaline Droplet												1										
Respiratory Epithelium, Hyperplasia	1			1	1		1							1				1				

Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
---------	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

SPECIAL SENSES SYSTEM

Eye	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Phthisis Bulbi																						
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hyperplasia													4									

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		7	4	7	7	7	7	6	7	7	7	6	7	7	7	7	7	7	7	7	7	7	7	7	7		
		3	9	3	1	3	3	1	6	3	3	3	9	3	3	1	3	3	3	3	3	3	3	3	3		
0 ppm	ANIMAL ID	2	2	1	8	2	1	9	6	0	2	2	4	0	1	2	2	2	0	2	2	1	0	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	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	2	2	2	2	2		
		1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	

Inflammation, Chronic Active

URINARY SYSTEM

Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Infarct				1	1																			
Metaplasia, Osseous						X								X										
Mineral			1																					
Nephropathy, Chronic Progressive	1	2	1		1	1			1	1	2	1		2		1	1	1	1	1	1	1	1	1
Interstitial, Infiltration Cellular, Lymphocyte												2												
Renal Tubule, Cyst																	X							
Renal Tubule, Hyperplasia																								
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

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 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

Experiment Number: 10987 - 02

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Date Report Requested: 06/04/2018

Test Type: CHRONIC

Dibutyl Phthalate

Time Report Requested: 09:07:59

Route: DOSED FEED

CAS Number: 84-74-2

First Dose M/F: 08/17/10 / 08/16/10

Species/Strain: MICE/B6C3F1/N

Lab: BAT

B6C3F1/N MICE MALE	DAY ON TEST																							* TOTALS	
	0731	0733	0735	0737	0739	0741	0743	0745	0747	0749	0751	0753	0755	0757	0759	0801	0803	0805	0807	0809	0811	0813	0815		0817
0 ppm	0026	0027	0028	0029	0030	0031	0032	0033	0034	0035	0036	0037	0038	0039	0040	0041	0042	0043	0044	0045	0046	0047	0048	0049	0050

ALIMENTARY SYSTEM

Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Gallbladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Inflammation, Chronic Active			2																						1 2.0
Ulcer																									1 4.0
Peyer's Patch, Hyperplasia, Lymphocyte																									2 4.0
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Angiectasis																									1 2.0
Basophilic Focus						X					X			X											4
Clear Cell Focus				X				X	X	X	X			X						X		X			10
Eosinophilic Focus						X											X		X						7
Fatty Change										1															4 1.3
Hemorrhage																									1 2.0
Inflammation, Chronic Active			1																						1 1.0
Mixed Cell Focus					X			X	X							X	X		X						10
Necrosis				1																					4 2.0

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

1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

Experiment Number: 10987 - 02
 Test Type: CHRONIC
 Route: DOSED FEED
 Species/Strain: MICE/B6C3F1/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Dibutyl Phthalate
 CAS Number: 84-74-2

Date Report Requested: 06/04/2018
 Time Report Requested: 09:07:59
 First Dose M/F: 08/17/10 / 08/16/10
 Lab: BAT

B6C3F1/N MICE MALE	DAY ON TEST																								* TOTALS
	0731	0733	0735	0737	0739	0741	0743	0745	0747	0749	0751	0753	0755	0757	0759	0801	0803	0805	0807	0809	0811	0813	0815	0817	
0 ppm	0026	0007	0008	0009	0010	0011	0012	0013	0014	0015	0016	0017	0018	0019	0020	0021	0022	0023	0024	0025	0026	0027	0028	0029	
				2						1	1			2									1		
Pigment																							1		1 1.0
Tension Lipidosis																									1
Thrombus																									1 1.0
Bile Duct, Accumulation, Hyaline Droplet				2																					2 2.0
Bile Duct, Inflammation, Chronic Active Hepatocyte, Multinucleated											1	1		2								1		1 2.0	
Mesentery						+											+							3	
Fat, Necrosis						4											4							2 4.0	
Pancreas		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Fibrosis									1															1 1.0	
Acinus, Atrophy								2																2 2.0	
Salivary Glands		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49	
Infiltration Cellular, Mononuclear Cell										1														1 1.0	
Stomach, Forestomach		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Ulcer																								1 3.0	
Epithelium, Hyperplasia											4								2					3 2.7	
Stomach, Glandular		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Metaplasia, Squamous Epithelium, Hyperplasia										1														1 1.0	
Tooth																							+	6	
Dysplasia																							2	6 1.2	

CARDIOVASCULAR SYSTEM

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 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically
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 1) Minimal 3) Moderate
 2) Mild 4) Marked

Experiment Number: 10987 - 02
 Test Type: CHRONIC
 Route: DOSED FEED
 Species/Strain: MICE/B6C3F1/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Dibutyl Phthalate
 CAS Number: 84-74-2

Date Report Requested: 06/04/2018
 Time Report Requested: 09:07:59
 First Dose M/F: 08/17/10 / 08/16/10
 Lab: BAT

B6C3F1/N MICE MALE 0 ppm	DAY ON TEST																									* TOTALS
	0	0	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	7	7		
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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Blood Vessel	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	50		
Heart	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	50		
Cardiomyopathy										1			1											11	1.2	
Inflammation	1																				2			1	1.0	
Mineral																								1	1.0	
ENDOCRINE SYSTEM																										
Adrenal Cortex																								50		
Hypertrophy, Focal																					2			2	1.5	
Bilateral, Hypertrophy, Focal					1																			1	1.0	
Subcapsular, Hyperplasia				1	1	1	1	1		2				1	1							1	1	22	1.1	
Adrenal Medulla																								50		
Hyperplasia																						2		1	2.0	
Islets, Pancreatic																								50		
Hyperplasia				1	1								4											11	1.7	
Parathyroid Gland		M				M													M			M		40		
Pituitary Gland																								48		
Thyroid Gland																								50		
Follicle, Degeneration				1																				1	1.0	
GENERAL BODY SYSTEM																										
NONE																										

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1-4 .. Lesion qualified as:
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Experiment Number: 10987 - 02
 Test Type: CHRONIC
 Route: DOSED FEED
 Species/Strain: MICE/B6C3F1/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Dibutyl Phthalate
 CAS Number: 84-74-2

Date Report Requested: 06/04/2018
 Time Report Requested: 09:07:59
 First Dose M/F: 08/17/10 / 08/16/10
 Lab: BAT

B6C3F1/N MICE MALE	DAY ON TEST																								* TOTALS	
	0731	0730	0732	0731	0733	0732	0734	0733	0735	0734	0736	0735	0737	0736	0738	0737	0739	0738	0740	0739	0741	0740	0742	0741		
0 ppm	0026	0027	0028	0029	0030	0031	0032	0033	0034	0035	0036	0037	0038	0039	0040	0041	0042	0043	0044	0045	0046	0047	0048	0049	0050	

GENITAL SYSTEM

Epididymis	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Inflammation, Chronic																									2	1 2.0
Bilateral, Hypospermia																									3	1 3.0
Bilateral, Duct, Exfoliated Germ Cell																							1	1	4 1.3	
Duct, Exfoliated Germ Cell																									2	2 1.5
Preputial Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Inflammation, Chronic Active																									2	1 2.0
Prostate	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Seminal Vesicle	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Bilateral, Atrophy																									3	1 3.0
Testis	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Bilateral, Germinal Epithelium, Degeneration																									3	3 5 2.4
Bilateral, Interstitial Cell, Atrophy																									3	2 3.0
Germinal Epithelium, Degeneration																									1	1 1.0

HEMATOPOIETIC SYSTEM

Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Hypercellularity																									2	2 4 2.3
Hypocellularity																									2	1 1.0
Lymph Node																									+	2
Lymph Node, Mandibular	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49	

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1-4 .. Lesion qualified as:
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 2) Mild 4) Marked

Experiment Number: 10987 - 02

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: MICE/B6C3F1/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Dibutyl Phthalate

CAS Number: 84-74-2

Date Report Requested: 06/04/2018

Time Report Requested: 09:07:59

First Dose M/F: 08/17/10 / 08/16/10

Lab: BAT

B6C3F1/N MICE MALE 0 ppm	DAY ON TEST																				* TOTALS				
	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			
	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3				
	1	0	2	1	2	2	0	2	1	1	2	1	0	2	1	2	2	2	1	2	1	2			
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	0	0	0	0	0	0	0	0	0	0	0				
	2	2	2	2	3	3	3	3	3	3	3	3	3	3	4	4	4	4	4	4	4				
	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0

Hyperplasia, Lymphoid 2 2 4 5 2.6

Lymph Node, Mesenteric + M 48

 Angiectasis 1 2.0

 Hemorrhage 1 2.0

 Hyperplasia, Lymphocyte 1 2 3 2 2 2 10 2.6

 Infiltration Cellular, Mixed Cell 2 2 2 2.0

Spleen + 50

 Extramedullary Hematopoiesis 4 1 2 1 3 2 3 1 1 2 1 2 2 2 3 21 1.9

 Hyperplasia, Lymphocyte 2 2 1 2 2 2 2 1 2 2 3 19 1.9

 Pigment 1 2.0

 White Pulp, Atrophy 3 4 3.0

Thymus + + + + + + M + + M + + + + + + + + + + + + M 45

 Atrophy 2 3 3 3 2 11 2.5

INTEGUMENTARY SYSTEM

Mammary Gland M M M M M M M M M M + M M M M M M M M M M M M M M M 2

Skin + 50

 Hair Follicle, Inflammation, Chronic Active 1 2.0

 Subcutaneous Tissue, Infiltration Cellular, Mononuclear Cell 2 1 2.0

MUSCULOSKELETAL SYSTEM

Bone + 50

NERVOUS SYSTEM

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Experiment Number: 10987 - 02
 Test Type: CHRONIC
 Route: DOSED FEED
 Species/Strain: MICE/B6C3F1/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Dibutyl Phthalate
 CAS Number: 84-74-2

Date Report Requested: 06/04/2018
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 First Dose M/F: 08/17/10 / 08/16/10
 Lab: BAT

B6C3F1/N MICE MALE 0 ppm	DAY ON TEST																								* TOTALS	
	0 7 3 1	0 7 3 0	0 7 3 2	0 7 3 1	0 7 3 2	0 7 3 0	0 7 3 2	0 7 3 0	0 7 3 2	0 7 3 1	0 7 3 1	0 7 3 2	0 7 3 1	0 7 3 3	0 7 3 3	0 7 3 3	0 7 3 3	0 7 3 3	0 7 3 3	0 7 3 3	0 7 3 3	0 7 3 3	0 7 3 3			
ANIMAL ID	0 0 0 2 6	0 0 0 2 7	0 0 0 2 8	0 0 0 2 9	0 0 0 3 0	0 0 0 3 1	0 0 0 3 2	0 0 0 3 3	0 0 0 3 4	0 0 0 3 5	0 0 0 3 6	0 0 0 3 7	0 0 0 3 8	0 0 0 3 9	0 0 0 4 0	0 0 0 4 1	0 0 0 4 2	0 0 0 4 3	0 0 0 4 4	0 0 0 4 5	0 0 0 4 6	0 0 0 4 7	0 0 0 4 8	0 0 0 4 9	0 0 0 5 0	
Brain	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Neuron, Necrosis																									1 2.0	
RESPIRATORY SYSTEM																										
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Fibrosis																						2			1 2.0	
Hemorrhage																									1 2.0	
Infiltration Cellular, Histiocyte																									1 2.0	
Infiltration Cellular, Mononuclear Cell																						2			1 2.0	
Alveolar Epithelium, Hyperplasia									1																4 2.0	
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Eosinophilic Material	1	1	1		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	47 1.0	
Inflammation																									2 1.0	
Olfactory Epithelium, Atrophy																									1 2.0	
Olfactory Epithelium, Metaplasia, Respiratory									1								1					1			5 1.0	
Respiratory Epithelium, Accumulation, Hyaline Droplet																						1			2 1.0	
Respiratory Epithelium, Hyperplasia				1	1	1	1	1	1		1			1	1	1	1								17 1.0	
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
SPECIAL SENSES SYSTEM																										
Eye	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Phthisis Bulbi																							X			1
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Hyperplasia																									1 4.0	

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Experiment Number: 10987 - 02
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 Species/Strain: MICE/B6C3F1/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Dibutyl Phthalate
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 First Dose M/F: 08/17/10 / 08/16/10
 Lab: BAT

B6C3F1/N MICE MALE 0 ppm	DAY ON TEST																							* TOTALS						
	0 7 3 1	0 7 3 0	0 7 3 2	0 7 3 1	0 7 3 2	0 7 3 0	0 7 3 2	0 7 3 0	0 7 3 1	0 7 3 1	0 7 3 2	0 7 3 1	0 7 3 0	0 7 3 2	0 7 3 1	0 7 3 2	0 7 3 1	0 7 3 2	0 7 3 1	0 7 3 2	0 7 3 1	0 7 3 2	0 7 3 1							
ANIMAL ID	0 0 2 6	0 0 2 7	0 0 2 8	0 0 2 9	0 0 3 0	0 0 3 1	0 0 3 2	0 0 3 3	0 0 3 3	0 0 3 4	0 0 3 5	0 0 3 6	0 0 3 7	0 0 3 8	0 0 3 9	0 0 4 0	0 0 4 1	0 0 4 2	0 0 4 3	0 0 4 4	0 0 4 5	0 0 4 6	0 0 4 7	0 0 4 8	0 0 4 9	5 0				
Inflammation, Chronic Active																											4	2	2	3.0

URINARY SYSTEM

Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Infarct								1							1					1						5	1.0
Metaplasia, Osseous																			X							3	
Mineral																										1	1.0
Nephropathy, Chronic Progressive	1	1	1	1	1	1	2	1	1	1		1	1	1	1	1	1	1	1	1	1	3	1	3	44	1.2	
Interstitial, Infiltration Cellular, Lymphocyte																				X						4	2.0
Renal Tubule, Cyst						X			X																	4	
Renal Tubule, Hyperplasia			1																							1	1.0
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	

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 Lab: BAT

B6C3F1/N MICE MALE 1000 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
		6	7	7	7	6	7	7	7	7	7	7	7	7	6	7	7	7	7	7	7	7	7	7	7
		9	3	3	3	9	3	3	3	3	3	3	3	3	6	3	3	3	3	3	3	3	3	3	0
		8	1	1	1	9	0	1	0	2	2	2	0	1	1	2	9	2	2	1	1	2	2	1	
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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		5	5	5	5	5	5	5	5	5	6	6	6	6	6	6	6	6	7	7	7	7	7		
		1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2		
		males (cont...)																							

ALIMENTARY SYSTEM

Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Gallbladder Inflammation, Chronic Active	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+
Intestine Small, Jejunum Ulcer Epithelium, Hyperplasia	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+
Liver Amyloid Angiectasis Basophilic Focus Clear Cell Focus Eosinophilic Focus Extramedullary Hematopoiesis Fatty Change Fatty Change, Focal Infiltration Cellular, Mononuclear Cell	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
				2																			
		X		X	X									X	X	X			X			X	
		X	X	X		X			X	X			X	X	X			X			X		X
															1								
										1		2											
		1																					
																							2

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

1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

Experiment Number: 10987 - 02
 Test Type: CHRONIC
 Route: DOSED FEED
 Species/Strain: MICE/B6C3F1/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Dibutyl Phthalate
 CAS Number: 84-74-2

Date Report Requested: 06/04/2018
 Time Report Requested: 09:07:59
 First Dose M/F: 08/17/10 / 08/16/10
 Lab: BAT

		DAY ON TEST																								males (cont...)
		0 6 9 8	0 7 3 1	0 7 3 1	0 7 3 1	0 6 9	0 7 3 0	0 7 3 1	0 7 3 0	0 7 3 2	0 7 3 2	0 7 3 0	0 7 3 1	0 7 3 1	0 7 3 2	0 6 3 2	0 7 3 2	0 7 3 1	0 7 3 1	0 7 3 2	0 7 3 2	0 7 3 1	0 7 3 2	0 7 3 1		
		0 0 0 5 1	0 0 0 5 2	0 0 0 5 3	0 0 0 5 4	0 0 0 5 5	0 0 0 5 6	0 0 0 5 7	0 0 0 5 8	0 0 0 5 9	0 0 0 6 0	0 0 0 6 1	0 0 0 6 2	0 0 0 6 3	0 0 0 6 4	0 0 0 6 5	0 0 0 6 6	0 0 0 6 7	0 0 0 6 8	0 0 0 6 9	0 0 0 7 0	0 0 0 7 1	0 0 0 7 2	0 0 0 7 3	0 0 0 7 4	
B6C3F1/N MICE MALE	1000 ppm																									
		ANIMAL ID																								
Mixed Cell Focus Necrosis		X				X		X								1		1		X						2
Bile Duct, Cyst													X													
Bile Duct, Hyperplasia												2														
Hepatocyte, Multinucleated										1														1	1	
Mesentery Fat, Necrosis						+				4																
Pancreas		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Salivary Glands		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Stomach, Forestomach Ulcer		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Epithelium, Cyst, Squamous Epithelium, Hyperplasia		2																								
Stomach, Glandular Epithelium, Cyst Epithelium, Cytoplasmic Alteration		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Tooth Dysplasia Inflammation, Suppurative Necrosis													+				+									+
		2										3		1										2	3	1

CARDIOVASCULAR SYSTEM

Blood Vessel	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
--------------	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically
 1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

B6C3F1/N MICE MALE	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	males (cont...)
	ANIMAL ID	6	7	7	7	6	7	7	7	7	7	7	7	7	7	6	7	7	7	7	7	7	7	7	7	
1000 ppm	8	3	3	3	9	3	3	3	3	3	3	3	3	3	6	3	3	3	3	3	3	3	3	3	0	

Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Cardiomyopathy				2						1	2			1							1				

ENDOCRINE SYSTEM

Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hypertrophy, Focal														2											
Bilateral, Hypertrophy, Focal																									
Subcapsular, Hyperplasia							1	1	1			2				2	1	1	2	2	1	1			1
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Atrophy																									
Hyperplasia		2		1									2	2							2	1	1		
Parathyroid Gland	+	+	+	+	M	+	+	+	+	+	+	+	M	+	+	+	+	+	+	M	+	+	+	+	+
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Follicle, Cyst																									X

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

Coagulating Gland

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

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Experiment Number: 10987 - 02

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: MICE/B6C3F1/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Dibutyl Phthalate

CAS Number: 84-74-2

Date Report Requested: 06/04/2018

Time Report Requested: 09:07:59

First Dose M/F: 08/17/10 / 08/16/10

Lab: BAT

B6C3F1/N MICE MALE	1000 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	ANIMAL ID	males (cont...)
		6	7	7	7	6	7	7	7	7	7	7	7	7	6	7	7	7	7	7	7	7	7	7	7		
		9	3	3	3	9	3	3	3	3	3	3	3	6	3	3	3	3	3	3	3	3	3	3	0		
		8	1	1	1	9	0	1	0	2	2	2	0	1	1	2	9	2	2	1	1	2	1	2	1		

Bilateral, Atrophy

Epididymis	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+					
Hypospermia														4											4	3				
Infiltration Cellular, Lymphocyte							2																							
Sperm Granuloma																									1					
Bilateral, Hypospermia																														
Bilateral, Duct, Atrophy																														
Bilateral, Duct, Exfoliated Germ Cell	1														2	1										1				
Duct, Exfoliated Germ Cell																										1				
Preputial Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+				
Cyst																														
Prostate	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+				
Seminal Vesicle	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+				
Bilateral, Atrophy																														
Testis	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+				
Bilateral, Germinal Epithelium, Degeneration	2														3			2			1						1			
Bilateral, Interstitial Cell, Atrophy																														
Germinal Epithelium, Degeneration																											1			
Interstitial Cell, Hyperplasia, Focal	1																													
Seminiferous Tubule, Mineral																												1		

HEMATOPOIETIC SYSTEM

Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+				
Hypercellularity																												4		

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M .. Missing tissue
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1-4 .. Lesion qualified as:
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2) Mild 4) Marked

Experiment Number: 10987 - 02

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: MICE/B6C3F1/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Dibutyl Phthalate

CAS Number: 84-74-2

Date Report Requested: 06/04/2018

Time Report Requested: 09:07:59

First Dose M/F: 08/17/10 / 08/16/10

Lab: BAT

B6C3F1/N MICE MALE 1000 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	ANIMAL ID	males (cont...)		
		6	7	7	7	6	7	7	7	7	7	7	7	7	6	7	7	7	7	7	7	7	7	7			7	
		9	3	3	3	9	3	3	3	3	3	3	3	3	6	3	3	3	3	3	3	3	3	0				
		8	1	1	1	9	0	1	0	2	2	2	0	1	1	2	9	2	2	1	1	2	1	2	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
		5	5	5	5	5	5	5	5	6	6	6	6	6	6	6	6	6	7	7	7	7	7	7	7			
		1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5		
Skin		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			
Edema																											2	
MUSCULOSKELETAL SYSTEM																												
Bone		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			
Osteopetrosis																											1	
Skeletal Muscle																												
NERVOUS SYSTEM																												
Brain		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			
RESPIRATORY SYSTEM																												
Lung		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			
Extramedullary Hematopoiesis																												
Inflammation, Chronic Active																											1	
Alveolar Epithelium, Hyperplasia																											1	
Nose		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			
Eosinophilic Material		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			
Inflammation																											2	
Polyp, Inflammatory																												
Olfactory Epithelium, Metaplasia, Respiratory																												
Respiratory Epithelium, Accumulation, Hyaline Droplet																											2	
Respiratory Epithelium, Hyperplasia		1																									1 1 1 1 1	

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
+ .. Tissue examined microscopically
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B6C3F1/N MICE MALE 1000 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	ANIMAL ID	males (cont...)
	6	7	7	7	6	7	7	7	7	7	7	7	7	6	7	7	7	7	7	7	7	7	7	7		
	9	3	3	3	9	3	3	3	3	3	3	3	3	6	3	3	3	3	3	3	3	3	3	0	0	
	8	1	1	1	9	0	1	0	2	2	2	0	1	1	2	9	2	2	1	1	2	1	2	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	0	
	5	5	5	5	5	5	5	5	5	6	6	6	6	6	6	6	6	6	7	7	7	7	7	7	0	
	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	1	

Trachea +

SPECIAL SENSES SYSTEM

Eye +

Harderian Gland
Hyperplasia +

URINARY SYSTEM

Kidney +

Infarct 1 2 1 1 1

Mineral 1 1

Nephropathy, Chronic Progressive 1 3

Interstitial, Infiltration Cellular, Mononuclear Cell 1

Papilla, Necrosis 1

Pelvis, Inflammation, Suppurative 2

Renal Tubule, Accumulation, Hyaline Droplet

Renal Tubule, Cyst X X X

Urinary Bladder +

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 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue
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B6C3F1/N MICE MALE	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
	ANIMAL ID	7	7	7	7	7	6	7	6	7	7	7	7	7	7	7	7	7	3	7	6	7	7	7	7	7	7
1000 ppm	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	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	8	8	8	8	8	8	8	8	8	8	9	9	9	9	9	9	9	9	9	9	9	9	
	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0		
																							* TOTALS				

ALIMENTARY SYSTEM

Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50				
Gallbladder Inflammation, Chronic Active	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	M	+	+	+	+	+	+	+	48	1	1.0		
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49				
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49				
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49				
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49				
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49				
Intestine Small, Jejunum Ulcer Epithelium, Hyperplasia	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49	1	4.0	1	2.0
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50				
Amyloid																											1	2.0			
Angiectasis										1																	1	1.0			
Basophilic Focus																				X							4				
Clear Cell Focus				X	X						X	X	X							X			X	X			15				
Eosinophilic Focus					X								X														12				
Extramedullary Hematopoiesis							1									1			2								4	1.3			
Fatty Change																											2	1.5			
Fatty Change, Focal																											1	1.0			
Infiltration Cellular, Mononuclear Cell												1															2	1.5			

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
+ .. Tissue examined microscopically M .. Missing tissue 1-4 .. Lesion qualified as:
X .. Lesion present A .. Autolysis precludes evaluation 1) Minimal 3) Moderate
I .. Insufficient tissue BLANK .. Not examined microscopically 2) Mild 4) Marked

Experiment Number: 10987 - 02

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: MICE/B6C3F1/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Dibutyl Phthalate

CAS Number: 84-74-2

Date Report Requested: 06/04/2018

Time Report Requested: 09:07:59

First Dose M/F: 08/17/10 / 08/16/10

Lab: BAT

B6C3F1/N MICE MALE 1000 ppm	DAY ON TEST																								* TOTALS
	0723	0733	0733	0733	0733	0733	0733	0733	0733	0733	0733	0733	0733	0733	0733	0733	0733	0733	0733	0733	0733	0733	0733	0733	
ANIMAL ID	00076	00077	00078	00079	00080	00081	00082	00083	00084	00085	00086	00087	00088	00089	00090	00091	00092	00093	00094	00095	00096	00097	00098	00099	00100
	Mixed Cell Focus Necrosis				X								X	X	X			X						X	
Bile Duct, Cyst	1						2											1				1			
Bile Duct, Hyperplasia																									
Hepatocyte, Multinucleated		1			1	1				1			1	1			1					1			
Mesentery Fat, Necrosis																									1
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Stomach, Forestomach Ulcer	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Epithelium, Cyst, Squamous																							X		1
Epithelium, Hyperplasia																									1
Stomach, Glandular Epithelium, Cyst	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	X		50
Epithelium, Cytoplasmic Alteration																									2
Tooth Dysplasia				+											+	+	+						+	+	12
Inflammation, Suppurative				4											2	4	3						4	1	12
Necrosis				4																				3	1

CARDIOVASCULAR SYSTEM

Blood Vessel	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
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* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
+ .. Tissue examined microscopically
X .. Lesion present
I .. Insufficient tissue
M .. Missing tissue
A .. Autolysis precludes evaluation
BLANK .. Not examined microscopically
1-4 .. Lesion qualified as:
1) Minimal 3) Moderate
2) Mild 4) Marked

Experiment Number: 10987 - 02
 Test Type: CHRONIC
 Route: DOSED FEED
 Species/Strain: MICE/B6C3F1/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Dibutyl Phthalate
 CAS Number: 84-74-2

Date Report Requested: 06/04/2018
 Time Report Requested: 09:07:59
 First Dose M/F: 08/17/10 / 08/16/10
 Lab: BAT

B6C3F1/N MICE MALE 1000 ppm	DAY ON TEST																				* TOTALS				
	0723	0733	0731	0733	0733	0733	0735	0733	0733	0733	0733	0733	0733	0733	0733	0733	0733	0733	0733	0733		0733	0733		
ANIMAL ID	00076	00077	00078	00079	00080	00081	00082	00083	00084	00085	00086	00087	00088	00089	00090	00091	00092	00093	00094	00095	00096	00097	00098	00099	00100

Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Cardiomyopathy	2	1	1		1				1			1			1						2				1	14 1.3

ENDOCRINE SYSTEM

Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Hypertrophy, Focal																										1 2.0
Bilateral, Hypertrophy, Focal											2															1 2.0
Subcapsular, Hyperplasia		1	1	1	2		1						2	1	2		1	1	2	1				3	1	26 1.4
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Atrophy												4														1 4.0
Hyperplasia				3									2				3				2					11 1.9
Parathyroid Gland	M	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	45
Pituitary Gland	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Follicle, Cyst														X												2

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

Coagulating Gland	+	1
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* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
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 BLANK .. Not examined microscopically
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 2) Mild 4) Marked

Experiment Number: 10987 - 02
 Test Type: CHRONIC
 Route: DOSED FEED
 Species/Strain: MICE/B6C3F1/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Dibutyl Phthalate
 CAS Number: 84-74-2

Date Report Requested: 06/04/2018
 Time Report Requested: 09:07:59
 First Dose M/F: 08/17/10 / 08/16/10
 Lab: BAT

B6C3F1/N MICE MALE 1000 ppm	DAY ON TEST																								* TOTALS		
	0723	0733	0731	0733	0733	0731	0732	0730	0736	0737	0736	0737	0737	0737	0737	0737	0737	0737	0737	0736	0737	0737	0737	0737			
ANIMAL ID	00076	00077	00078	00079	00080	00081	00082	00083	00084	00085	00086	00087	00088	00089	00090	00091	00092	00093	00094	00095	00096	00097	00098	00099	00100		
Bilateral, Atrophy	3																								1 3.0		
Epididymis	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50		
Hypospermia																										3 3.7	
Infiltration Cellular, Lymphocyte																										1 2.0	
Sperm Granuloma												2														2 1.5	
Bilateral, Hypospermia	3																									1 3.0	
Bilateral, Duct, Atrophy	3																									1 3.0	
Bilateral, Duct, Exfoliated Germ Cell							2							1									1			7 1.3	
Duct, Exfoliated Germ Cell	2																									3 1.3	
Preputial Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50		
Cyst							X																			1	
Prostate	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50		
Seminal Vesicle	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50		
Bilateral, Atrophy	3																									1 3.0	
Testis	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50		
Bilateral, Germinal Epithelium, Degeneration	4						3								1	1							1			10 1.9	
Bilateral, Interstitial Cell, Atrophy	3																									1 3.0	
Germinal Epithelium, Degeneration												1														5 1.6	
Interstitial Cell, Hyperplasia, Focal																										1 1.0	
Seminiferous Tubule, Mineral																										1 1.0	
HEMATOPOIETIC SYSTEM																											
Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50		
Hypercellularity							2									3											3 3.0

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Experiment Number: 10987 - 02
 Test Type: CHRONIC
 Route: DOSED FEED
 Species/Strain: MICE/B6C3F1/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Dibutyl Phthalate
 CAS Number: 84-74-2

Date Report Requested: 06/04/2018
 Time Report Requested: 09:07:59
 First Dose M/F: 08/17/10 / 08/16/10
 Lab: BAT

B6C3F1/N MICE MALE 1000 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	ANIMAL ID	
		7	7	7	7	7	7	6	7	6	7	7	7	7	7	7	7	3	7	6	7	7	7	7		
		2	3	3	3	3	5	3	7	3	3	3	3	3	3	3	0	0	1	3	3	3	3	3		
		3	2	1	0	2	1	2	0	3	1	1	2	2	2	1	1	0	7	2	3	2	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
		7	7	7	7	8	8	8	8	8	8	8	8	8	8	8	9	9	9	9	9	9	9	9		
		6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8		
																									* TOTALS	
Hypocellularity		2																								1 2.0
Lymph Node Mediastinal, Infiltration Cellular, Plasma Cell																									2	1 4.0
Lymph Node, Mandibular Atrophy Hyperplasia, Lymphoid Infiltration Cellular, Plasma Cell		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48	4 3.3
		4								3								2								2 2.5
					2																					2 2.0
Lymph Node, Mesenteric Extramedullary Hematopoiesis Hyperplasia, Lymphocyte Inflammation, Chronic		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	48	1 3.0
					1			2															4			4 2.5
																										1 4.0
Spleen Amyloid Angiectasis Extramedullary Hematopoiesis Hyperplasia, Lymphocyte Pigment White Pulp, Atrophy		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	1 2.0
																										1 1.0
							4			2	1	1		1	2			4	2	2	1		1		21 2.1	
				2	2		1		1			3							1	1	1	1	1		18 1.6	
										1																1 1.0
		2					4		3									2	4							8 3.3
Thymus Atrophy Cyst		+	+	+	+	+	M	+	+	M	+	+	+	+	+	+	M	+	+	+	+	+	+	+	46	18 3.0
		4	2						4			3	4		3	2		3	2	4	2					3

INTEGUMENTARY SYSTEM

Mammary Gland	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	+	M	M	+	M	M	2
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* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
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M .. Missing tissue
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 BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

Experiment Number: 10987 - 02
 Test Type: CHRONIC
 Route: DOSED FEED
 Species/Strain: MICE/B6C3F1/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Dibutyl Phthalate
 CAS Number: 84-74-2

Date Report Requested: 06/04/2018
 Time Report Requested: 09:07:59
 First Dose M/F: 08/17/10 / 08/16/10
 Lab: BAT

B6C3F1/N MICE MALE 1000 ppm	DAY ON TEST																								* TOTALS		
	0723	0731	0731	0731	0731	0731	0731	0731	0731	0731	0731	0731	0731	0731	0731	0731	0731	0731	0731	0731	0731	0731	0731	0731		0731	
ANIMAL ID	00076	00077	00078	00079	00080	00081	00082	00083	00084	00085	00086	00087	00088	00089	00090	00091	00092	00093	00094	00095	00096	00097	00098	00099	00100		
	Skin Edema	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
																										1 2.0	
MUSCULOSKELETAL SYSTEM																											
Bone Osteopetrosis	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
																										1 1.0	
Skeletal Muscle																										1	
NERVOUS SYSTEM																											
Brain	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
RESPIRATORY SYSTEM																											
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Extramedullary Hematopoiesis																										1 2.0	
Inflammation, Chronic Active																										1 1.0	
Alveolar Epithelium, Hyperplasia	3														1	3										4 2.0	
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Eosinophilic Material	1	1	1	1	1	1	1	1		1	1	1		1	1	1	1	1	1	1		1	1		45 1.0		
Inflammation																										1 2.0	
Polyp, Inflammatory													3													1 3.0	
Olfactory Epithelium, Metaplasia, Respiratory																	1						1			2 1.0	
Respiratory Epithelium, Accumulation, Hyaline Droplet																										1 2.0	
Respiratory Epithelium, Hyperplasia	1			1																				1		9 1.0	

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 2) Mild 4) Marked

Experiment Number: 10987 - 02

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: MICE/B6C3F1/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Dibutyl Phthalate

CAS Number: 84-74-2

Date Report Requested: 06/04/2018

Time Report Requested: 09:07:59

First Dose M/F: 08/17/10 / 08/16/10

Lab: BAT

B6C3F1/N MICE MALE 1000 ppm	DAY ON TEST																								* TOTALS
	0723	0733	0731	0733	0733	0731	0732	0730	0736	0737	0733	0733	0733	0733	0733	0733	0733	0733	0733	0733	0733	0733	0733		
ANIMAL ID	00076	00077	00078	00079	00080	00081	00082	00083	00084	00085	00086	00087	00088	00089	00090	00091	00092	00093	00094	00095	00096	00097	00098	00099	
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
SPECIAL SENSES SYSTEM																									
Eye	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Harderian Gland Hyperplasia	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50 1 1.0	
URINARY SYSTEM																									
Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Infarct																					2	2		7 1.4	
Mineral																								2 1.0	
Nephropathy, Chronic Progressive	4	1	1	1	1	1		1		1	1	1	1	1	1	1		1	2	1	1	1	1	45 1.1	
Interstitial, Infiltration Cellular, Mononuclear Cell																								1 1.0	
Papilla, Necrosis																								1 1.0	
Pelvis, Inflammation, Suppurative																								1 2.0	
Renal Tubule, Accumulation, Hyaline Droplet																			2					1 2.0	
Renal Tubule, Cyst							X														X			5	
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	

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Experiment Number: 10987 - 02
 Test Type: CHRONIC
 Route: DOSED FEED
 Species/Strain: MICE/B6C3F1/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Dibutyl Phthalate
 CAS Number: 84-74-2

Date Report Requested: 06/04/2018
 Time Report Requested: 09:07:59
 First Dose M/F: 08/17/10 / 08/16/10
 Lab: BAT

B6C3F1/N MICE MALE	DAY ON TEST	0 7 3 1	0 7 3 1	0 7 3 0	0 7 3 1	0 7 3 1	0 6 7 0	0 7 3 2	0 7 3 1	0 7 3 2	0 7 3 1	0 7 3 1	0 5 2 1	0 7 3 2	0 7 2 8	0 5 5 1	0 7 3 4	0 2 3 1	0 7 3 3	0 6 5 9	0 5 0 4	0 7 3 2	0 7 3 2	males (cont...)
	ANIMAL ID	0 0 1 0 1	0 0 1 0 2	0 0 1 0 3	0 0 1 0 4	0 0 1 0 5	0 0 1 0 6	0 0 1 0 7	0 0 1 0 8	0 0 1 0 9	0 0 1 1 0	0 0 1 1 1	0 0 1 1 2	0 0 1 1 3	0 0 1 1 4	0 0 1 1 5	0 0 1 1 6	0 0 1 1 7	0 0 1 1 8	0 0 1 1 9	0 0 1 2 0	0 0 1 2 1	0 0 1 2 2	

ALIMENTARY SYSTEM

Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Gallbladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Small, Ileum Inflammation, Chronic Active Epithelium, Hyperplasia	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Small, Jejunum Peyer's Patch, Hyperplasia, Lymphocyte	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Basophilic Focus							X								X									
Clear Cell Focus	X					X			X	X		X										X		
Eosinophilic Focus														X	X									X
Fatty Change	1												1											
Mixed Cell Focus				X																				
Necrosis													2			2	1							
Tension Lipidosis																								
Hepatocyte, Multinucleated	1	1	1			1			1	1		1	1	1	1				1				1	1

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Experiment Number: 10987 - 02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: MICE/B6C3F1/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
Dibutyl Phthalate
CAS Number: 84-74-2

Date Report Requested: 06/04/2018
Time Report Requested: 09:07:59
First Dose M/F: 08/17/10 / 08/16/10
Lab: BAT

B6C3F1/N MICE MALE 3000 ppm	DAY ON TEST																								ANIMAL ID	males (cont...)
	0 7 3 1	0 7 3 1	0 7 3 0	0 7 3 1	0 7 3 1	0 6 7 0	0 7 3 0	0 7 3 2	0 7 3 1	0 7 3 2	0 7 3 1	0 7 3 1	0 5 2 1	0 7 3 2	0 7 2 8	0 5 5 1	0 7 3 1	0 2 4 4	0 7 3 1	0 6 5 9	0 5 0 4	0 7 3 2	0 7 3 2			
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			
Salivary Glands Atrophy Duct, Hyperplasia	+	+	+	+	+	+	+	+	+	1	2															
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			
Stomach, Glandular Epithelium, Cytoplasmic Alteration	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			
Tooth Dysplasia					+	+				+				+												
					2	1				3				1												
CARDIOVASCULAR SYSTEM																										
Blood Vessel Mineral Aorta, Hemorrhage	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			
																		2								
Heart Cardiomyopathy	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			
	1	2	1						1					1							1					
ENDOCRINE SYSTEM																										
Adrenal Cortex Hemorrhage Hypertrophy, Focal Subcapsular, Hyperplasia	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			
										2	1				2					1						
	1	1	1	1					2	2	1	1	1		2				1			1	1			

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Experiment Number: 10987 - 02

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: MICE/B6C3F1/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Dibutyl Phthalate

CAS Number: 84-74-2

Date Report Requested: 06/04/2018

Time Report Requested: 09:07:59

First Dose M/F: 08/17/10 / 08/16/10

Lab: BAT

DAY ON TEST	B6C3F1/N MICE MALE 3000 ppm																									ANIMAL ID	males (cont...)
	0 7 3 1	0 7 3 1	0 7 3 0	0 7 3 1	0 7 3 1	0 6 7 0	0 7 3 0	0 7 3 2	0 7 3 1	0 7 3 2	0 7 3 1	0 7 3 3	0 7 3 3	0 5 2 1	0 7 3 2	0 7 2 8	0 5 5 1	0 7 3 4	0 2 3 1	0 7 3 3	0 6 5 9	0 5 0 4	0 7 3 2	0 7 3 3			
Infiltration Cellular, Lymphocyte																											
Seminal Vesicle Inflammation, Chronic Bilateral, Atrophy	+ +																										3
Testis Bilateral, Germinal Epithelium, Degeneration Bilateral, Interstitial Cell, Atrophy Germinal Epithelium, Degeneration	+ +																									2	3 1 1
	1									2																	

HEMATOPOIETIC SYSTEM

Bone Marrow Hypocellularity Pigment	+ +																										
Lymph Node																											
Lymph Node, Mandibular Atrophy Hyperplasia, Lymphoid Infiltration Cellular, Plasma Cell	+ + + + + + + + + + + M + + + + + + + + + + + + + + +																										2 3 3
Lymph Node, Mesenteric Extramedullary Hematopoiesis Hyperplasia, Lymphocyte Infiltration Cellular, Plasma Cell	+ +																									2	1 4 4 3
Spleen Extramedullary Hematopoiesis	+ +																									3	1 1 2 2 2 2 2 2 2 1

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically
 1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

Experiment Number: 10987 - 02
 Test Type: CHRONIC
 Route: DOSED FEED
 Species/Strain: MICE/B6C3F1/N

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B6C3F1/N MICE MALE 3000 ppm	DAY ON TEST																									ANIMAL ID	males (cont...)
	0 7 3 1	0 7 3 1	0 7 3 0	0 7 3 1	0 7 3 1	0 6 7 0	0 7 3 0	0 7 3 2	0 7 3 1	0 7 3 2	0 7 3 1	0 7 3 1	0 5 2 1	0 7 3 2	0 7 2 8	0 5 5 1	0 7 3 1	0 2 4 4	0 7 3 1	0 6 5 9	0 5 0 4	0 7 3 2	0 7 3 2				
Hyperplasia, Lymphocyte White Pulp, Atrophy	3		2	2	2								2		2				3					2	2		
Thymus Atrophy	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
Cyst			X																								
Hemorrhage																											
INTEGUMENTARY SYSTEM																											
Mammary Gland	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M		
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
MUSCULOSKELETAL SYSTEM																											
Bone	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
Joint, Degeneration																											
Skeletal Muscle																											
NERVOUS SYSTEM																											
Brain	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
RESPIRATORY SYSTEM																											
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
Inflammation, Granulomatous Mineral																											
Alveolar Epithelium, Hyperplasia																							2		1		

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B6C3F1/N MICE MALE 3000 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	ANIMAL ID	males (cont...)
	7	7	7	7	7	6	7	7	7	7	7	7	7	5	7	7	5	7	2	7	7	6	5	7	7		
	3	3	3	3	3	7	3	3	3	3	3	3	3	2	3	2	5	3	4	3	3	5	0	3	3	0	
	1	1	0	1	1	0	0	2	1	2	2	1	1	1	2	8	1	1	4	1	0	9	4	2	2	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	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	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	0	
	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	1	

Artery, Inflammation, Suppurative

3

Nose

+ +

Eosinophilic Material

1 1

Inflammation

2

Polyp, Inflammatory

Olfactory Epithelium, Accumulation, Hyaline Droplet

Olfactory Epithelium, Metaplasia, Respiratory

Respiratory Epithelium, Accumulation, Hyaline Droplet

Respiratory Epithelium, Hyperplasia

1 1

Trachea

+ +

SPECIAL SENSES SYSTEM

Eye

+ +

Harderian Gland

Hyperplasia

+ +

Inflammation, Chronic Active

2

URINARY SYSTEM

Kidney

Cyst

Infarct

Inflammation, Chronic Active

Mineral

Nephropathy, Chronic Progressive

+
 X
 2 1 1 1 1 1 1 1 1 1 1 2 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 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1

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| B6C3F1/N MICE MALE
3000 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 | males
(cont...) | |
|-----------------------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--------------------|---|
| | | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 5 | 7 | 7 | 5 | 7 | 2 | 7 | 7 | 6 | 5 | 7 | | 7 |
| | | 3 | 3 | 3 | 3 | 3 | 7 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 2 | 3 | 2 | 5 | 3 | 4 | 3 | 3 | 5 | 0 | 3 | | 3 |
| | 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 | |
| | | 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 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | |
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | |
| Glomerulus, Cyst | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Pelvis, Dilation | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Pelvis, Inflammation, Suppurative | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Renal Tubule, Cyst | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Renal Tubule, Pigment | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Urinary Bladder | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Calculus Gross Observation | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Inflammation, Chronic Active | | | | | | | | | | | | | | | | | | | | | | | | | | | |

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3000 ppm | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | * TOTALS | |
|--|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------|--|
| | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | | |
| ANIMAL ID | 0012 | 0012 | 0012 | 0012 | 0012 | 0012 | 0012 | 0012 | 0012 | 0012 | 0012 | 0012 | 0012 | 0012 | 0012 | 0012 | 0012 | 0012 | 0012 | 0012 | 0012 | 0012 | 0012 | 0012 | | |
| Pancreas | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | 49 | |
| Salivary Glands
Atrophy
Duct, Hyperplasia | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| | | | | | | | | | | | | | | | | | | | | | | | | | 1 1.0 | |
| | | | | | | | | | | | | | | | | | | | | | | | | | 1 2.0 | |
| Stomach, Forestomach | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Stomach, Glandular
Epithelium, Cytoplasmic Alteration | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| | | | | | | | | | | | | | | | | | | | | | | | | | 1 1.0 | |
| Tooth
Dysplasia | | | | | | | | | | | | | | | | | | | | | | | | | 7 | |
| | | | | | | | | | | | | | | | | | | | | | | | | | 7 2.0 | |
| CARDIOVASCULAR SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Blood Vessel
Mineral
Aorta, Hemorrhage | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| | | | | | | | | | | | | | | | | | | | | | | | | | 1 2.0 | |
| | | | | | | | | | | | | | | | | | | | | | | | | | 2 2.5 | |
| Heart
Cardiomyopathy | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| | | | | | | | | | | | | | | | | | | | | | | | | | 8 1.1 | |
| | | | | | | | | | | | | | | | | | | | | | | | | | 1 1.1 | |
| ENDOCRINE SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Adrenal Cortex
Hemorrhage
Hypertrophy, Focal
Subcapsular, Hyperplasia | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| | | | | | | | | | | | | | | | | | | | | | | | | | 1 3.0 | |
| | | | | | | | | | | | | | | | | | | | | | | | | | 6 1.3 | |
| | | | | | | | | | | | | | | | | | | | | | | | | | 27 1.2 | |

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3000 ppm | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | * TOTALS |
|-----------------------------------|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|---------|--------------|
| | 0732 | 0733 | 0739 | 0772 | 0773 | 0775 | 0776 | 0776 | 0777 | 0778 | 0778 | 0778 | 0778 | 0778 | 0778 | 0778 | 0778 | 0778 | 0778 | 0778 | 0778 | 0778 | 0778 | 0778 | |
| ANIMAL ID | 0012 | 0017 | 0018 | 0020 | 0021 | 0021 | 0022 | 0023 | 0024 | 0025 | 0026 | 0027 | 0028 | 0029 | 0030 | 0031 | 0032 | 0033 | 0034 | 0035 | 0036 | 0037 | 0038 | 0039 | 0040 |
| Adrenal Medulla | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Islets, Pancreatic
Hyperplasia | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | 49
11 1.4 |
| Parathyroid Gland
Cyst | + | + | M | M | M | M | + | + | M | M | + | M | M | M | M | + | M | + | + | + | + | + | + | 36
1 | |
| Pituitary Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| Thyroid Gland
Follicle, Cyst | + | + | + | + | M | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | 48
1 |

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-------------|
| Coagulating Gland
Bilateral, Atrophy | | | + | + | + | | | | | | | | | | | | | | | | | | | | 4
3 3.0 |
| Epididymis
Bilateral, Hypospermia | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50
3 3.3 |
| Bilateral, Duct, Atrophy | | | 3 | 3 | | | | | | | | | | | | | | | | | | | | | 3 3.0 |
| Bilateral, Duct, Exfoliated Germ Cell | | | | | 3 | | | | | | | | | | | | | | | | | | | | 5 2.0 |
| Preputial Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Prostate | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |

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|--|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------|-----|-----|-----|---|---|---|---|---|---|---|----|-----|
| | 0732 | 0730 | 0729 | 0727 | 0723 | 0720 | 0716 | 0712 | 0708 | 0704 | 0701 | 0627 | 0623 | 0619 | 0615 | 0611 | 0607 | 0603 | 0529 | 0525 | 0521 | 0517 | 0513 | | | | | | | | | | | | | | |
| ANIMAL ID | 00126 | 00007 | 00008 | 00009 | 00010 | 00011 | 00012 | 00013 | 00014 | 00015 | 00016 | 00017 | 00018 | 00019 | 00020 | 00021 | 00022 | 00023 | 00024 | 00025 | 00026 | 00027 | 00028 | 00029 | | | | | | | | | | | | | |
| Infiltration Cellular, Lymphocyte | | | | | | | 1 | | | | | | | | | | | | | | | | | | 1 | 1.0 | | | | | | | | | | | |
| Seminal Vesicle | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | | | | | | | | | | | | |
| Inflammation, Chronic | | | | | | | | | | | | | | | | | | | | | | | | | 3 | 1 | 3.0 | | | | | | | | | | |
| Bilateral, Atrophy | | | | | | | | | | | | | | | | | | | | | | | | | 3 | 3 | 3.0 | | | | | | | | | | |
| Testis | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | | | | | | | | | | | | | |
| Bilateral, Germinal Epithelium, Degeneration | | | | | | | | | | | | | | | | | | | | | | | | | 4 | 3 | 6 | 2.3 | | | | | | | | | |
| Bilateral, Interstitial Cell, Atrophy | | | | | | | | | | | | | | | | | | | | | | | | | 3 | | 2 | 3.0 | | | | | | | | | |
| Germinal Epithelium, Degeneration | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | 3 | 1.3 | | | | | | | | | |
| HEMATOPOIETIC SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bone Marrow | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | 49 | | | | | | | | | | | | |
| Hypocellularity | | | | | | | | | | | | | | | | | | | | | | | | | 2 | 1 | 2.0 | | | | | | | | | | |
| Pigment | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | 1 | 1.0 | | | | | | | | | |
| Lymph Node | | | | | | | | | | | | | | | | | | | | | | | | | 2 | | | | | | | | | | | | |
| Lymph Node, Mandibular | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 | | | | | | | | | | | | | |
| Atrophy | | | | | | | | | | | | | | | | | | | | | | | | | 2 | 2 | 2.0 | | | | | | | | | | |
| Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 3.0 | | | | | | | | | | | |
| Infiltration Cellular, Plasma Cell | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 3.0 | | | | | | | | | | | |
| Lymph Node, Mesenteric | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | 47 | | | | | | | | | | | | | |
| Extramedullary Hematopoiesis | | | | | | | | | | | | | | | | | | | | | | | | | 3 | 2 | 2.5 | | | | | | | | | | |
| Hyperplasia, Lymphocyte | | | | | | | | | | | | | | | | | | | | | | | | | 3 | 7 | 2.7 | | | | | | | | | | |
| Infiltration Cellular, Plasma Cell | | | | | | | | | | | | | | | | | | | | | | | | | 2 | 1 | 2.0 | | | | | | | | | | |
| Spleen | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | | | | | | | | | | | | | |
| Extramedullary Hematopoiesis | | | | | | | | | | | | | | | | | | | | | | | | | 2 | 3 | 4 | 1 | 4 | 2 | 1 | 2 | 2 | 1 | 4 | 23 | 2.0 |

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Date Report Requested: 06/04/2018
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 First Dose M/F: 08/17/10 / 08/16/10
 Lab: BAT

| B6C3F1/N MICE MALE
3000 ppm | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | * TOTALS | | | |
|---|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|---|----------|-----|-----|-----|
| | 0732 | 0733 | 0739 | 0772 | 0773 | 0775 | 0776 | 0777 | 0778 | 0779 | 0781 | 0782 | 0783 | 0784 | 0785 | 0786 | 0787 | 0788 | 0789 | 0790 | 0791 | 0792 | 0793 | | | | | |
| ANIMAL ID | 00126 | 00127 | 00128 | 00129 | 00130 | 00131 | 00132 | 00133 | 00134 | 00135 | 00136 | 00137 | 00138 | 00139 | 00140 | 00141 | 00142 | 00143 | 00144 | 00145 | 00146 | 00147 | 00148 | | | | | |
| Hyperplasia, Lymphocyte White Pulp, Atrophy | 2 | | | | | | | | 2 | | | | | 1 | | | 2 | | | 3 | 1 | | | | 15 | 2.1 | | |
| | | | 3 | 3 | | | | 3 | 4 | | | | | | | | | | | | | | 3 | | 7 | 3.1 | | |
| Thymus Atrophy | + | + | M | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | M | + | + | M | 46 | | | |
| Cyst | | | | 4 | | | | 2 | 4 | | | | 2 | | | | | | | | | | | | 12 | 2.7 | | |
| Hemorrhage | | | | 4 | | | | | | | | | | | | | | | | | | | | | 2 | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 4.0 | | |
| INTEGUMENTARY SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mammary Gland | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M | M | 1 | |
| Skin | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| MUSCULOSKELETAL SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bone | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | | |
| Joint, Degeneration | | | | | | | | | | | | | 2 | | | | | | | | | | | | | 1 | 2.0 | |
| Skeletal Muscle | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| NERVOUS SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Brain | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | | |
| RESPIRATORY SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Lung | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | | |
| Inflammation, Granulomatous | | | | | | | | | | | | | | | | | | | | | | | | | 3 | 1 | 3.0 | |
| Mineral | | | | | | | | | 1 | | | | | | | | | | | | | | | | | 1 | 1.0 | |
| Alveolar Epithelium, Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | | | 2 | 1 | 4 | 1.5 |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically
 1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

Experiment Number: 10987 - 02
 Test Type: CHRONIC
 Route: DOSED FEED
 Species/Strain: MICE/B6C3F1/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Dibutyl Phthalate
 CAS Number: 84-74-2

Date Report Requested: 06/04/2018
 Time Report Requested: 09:07:59
 First Dose M/F: 08/17/10 / 08/16/10
 Lab: BAT

| B6C3F1/N MICE MALE
3000 ppm | DAY ON TEST | | | | | | | | | | | | | | | | | | | | * TOTALS | |
|---|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------|--------|
| | 0732 | 0733 | 0739 | 0772 | 0773 | 0777 | 0776 | 0766 | 0777 | 0766 | 0777 | 0777 | 0777 | 0777 | 0766 | 0777 | 0777 | 0777 | 0777 | 0777 | | 0777 |
| ANIMAL ID | 001 | 002 | 003 | 004 | 005 | 006 | 007 | 008 | 009 | 010 | 011 | 012 | 013 | 014 | 015 | 016 | 017 | 018 | 019 | 020 | | |
| Artery, Inflammation, Suppurative | | | | | | | | | | | | | | | | | | | | | | 1 3.0 |
| Nose | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Eosinophilic Material | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | 1 | 1 | 1 | 1 | 1 | 1 | 42 1.0 |
| Inflammation | | | | | | | 1 | 1 | | | | | | | 2 | | | | | | | 4 1.5 |
| Polyp, Inflammatory | | | | | | | | | | | | | | | 3 | | | | | | | 1 3.0 |
| Olfactory Epithelium, Accumulation, Hyaline Droplet | | | | | | | | | | | | | | | 2 | | | | | | | 1 2.0 |
| Olfactory Epithelium, Metaplasia, Respiratory | | | | | | | | | | | | 1 | | | | | | | | | | 1 1.0 |
| Respiratory Epithelium, Accumulation, Hyaline Droplet | | | | | | | | | | | | | | | | | 1 | | | 1 | | 2 1.0 |
| Respiratory Epithelium, Hyperplasia | 1 | | 1 | | 1 | | | | | 1 | | 2 | | | | | | | | 2 | | 10 1.2 |
| Trachea | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| SPECIAL SENSES SYSTEM | | | | | | | | | | | | | | | | | | | | | | |
| Eye | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Harderian Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Hyperplasia | | | | | | | | | | | | | | | | | | | | | | 1 2.0 |
| Inflammation, Chronic Active | | | 3 | | | | | | | | | | | | | | | | | | | 1 3.0 |
| URINARY SYSTEM | | | | | | | | | | | | | | | | | | | | | | |
| Kidney | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Cyst | | | | | | | | | | | | | | | | | | | | | | 2 |
| Infarct | | | | | | | | | | 1 | | | | | | | | | | | | 1 1.0 |
| Inflammation, Chronic Active | | | | | | | | | | | | | | | | | | | | | | 1 2.0 |
| Mineral | | | | | | | | 2 | | | | | | | | | 1 | | | 1 | | 6 1.2 |
| Nephropathy, Chronic Progressive | 1 | 1 | 3 | 2 | 1 | 1 | | 2 | 1 | 1 | 1 | 1 | 1 | 2 | | 1 | 1 | 1 | 1 | 1 | 1 | 42 1.1 |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically
 1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

Experiment Number: 10987 - 02

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: MICE/B6C3F1/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Dibutyl Phthalate

CAS Number: 84-74-2

Date Report Requested: 06/04/2018

Time Report Requested: 09:07:59

First Dose M/F: 08/17/10 / 08/16/10

Lab: BAT

| B6C3F1/N MICE MALE | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | ANIMAL ID | * TOTALS | |
|--------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|----------|---|
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | 0 |
| 3000 ppm | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 6 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 0 | |
| | 3 | 3 | 2 | 2 | 3 | 3 | 5 | 4 | 3 | 8 | 3 | 3 | 3 | 3 | 3 | 1 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 0 | |
| | 2 | 0 | 9 | 7 | 0 | 2 | 9 | 1 | 2 | 8 | 2 | 2 | 1 | 0 | 6 | 1 | 1 | 1 | 2 | 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 | 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 | 0 | |
| | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 0 | |
| | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 0 | |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|-------|
| Glomerulus, Cyst | X | | | | | | | | | | X | | | | | | | | | | | | | | | | | | | | 2 |
| Pelvis, Dilation | | | | | | | 2 | | | | | | | | | | | | | | | | | | | | | | | | 3 2.3 |
| Pelvis, Inflammation, Suppurative | | | | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 2.0 |
| Renal Tubule, Cyst | | | | | | | | | | | | | | | | | | X | | | | | | | | | | | | | 1 |
| Renal Tubule, Pigment | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 3.0 |
| Urinary Bladder | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 50 |
| Calculus Gross Observation | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | 1 |
| Inflammation, Chronic Active | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 2.0 |

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

1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

Experiment Number: 10987 - 02

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Dibutyl Phthalate

CAS Number: 84-74-2

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First Dose M/F: 08/17/10 / 08/16/10

Lab: BAT

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------------|-------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|----------------------------|-----------------------|
| B6C3F1/N MICE MALE | DAY ON TEST | 0
7
3
1 | 0
7
3
1 | 0
7
3
1 | 0
4
0
0 | 0
7
3
2 | 0
7
3
2 | 0
7
3
0 | 0
7
3
2 | 0
6
0
7 | 0
0
5
1 | 0
6
8
8 | 0
7
3
1 | 0
7
3
2 | 0
6
2
4 | 0
7
3
1 | 0
7
3
2 | 0
7
3
3 | 0
7
3
3 | 0
7
3
3 | 0
7
3
3 | 0
7
3
3 | 0
6
2
4 | 0
7
3
1 | 0
7
3
2 | 0
7
3
2 | 0
7
3
2 | 0
7
3
2 | 0
7
3
2 | 0
6
2
4 | males
(cont...) | |
| | ANIMAL ID | 0
0
1
5
1 | 0
0
1
5
2 | 0
0
1
5
3 | 0
0
1
5
4 | 0
0
1
5
5 | 0
0
1
5
5 | 0
0
1
5
5 | 0
0
1
5
5 | 0
0
1
5
5 | 0
0
1
5
6 | 0
0
1
5
6 | 0
0
1
5
6 | 0
0
1
5
6 | 0
0
1
5
6 | 0
0
1
5
6 | 0
0
1
5
6 | 0
0
1
5
6 | 0
0
1
5
7 | 0
0
1
5
7 | 0
0
1
5
7 | 0
0
1
5
7 | 0
0
1
5
7 | 0
0
1
5
8 | 0
0
1
5
8 | 0
0
1
5
9 | 0
0
1
5
9 | 0
0
1
5
0 | 0
0
1
5
1 | 0
0
1
5
2 | | 0
0
1
5
3 |

ALIMENTARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|
| Esophagus | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Gallbladder | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Intestine Large, Cecum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Intestine Large, Colon | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Intestine Large, Rectum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Intestine Small, Duodenum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Intestine Small, Ileum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Intestine Small, Jejunum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Peyer's Patch, Hyperplasia, Lymphocyte | | | | | | | | | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Liver | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Basophilic Focus | | | | | | | | | X | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Clear Cell Focus | | | | | X | | | | | | | | | X | | | | | | X | | | | | | | | | | | | | | | | |
| Eosinophilic Focus | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Extramedullary Hematopoiesis | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | |
| Inflammation, Granulomatous | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 4 | |
| Mineral | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 3 | |
| Mixed Cell Focus | X | | | | | | | | | | | | X | | | | | | | | | | | | | | | | | | | | | | | |
| Necrosis | | | | | 2 | | | 4 | 3 | | | | | | | | 2 | 1 | | | | | | | | | | | | | | | | | 2 | |
| Pigment | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | |
| Tension Lipidosis | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Thrombus | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

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Dibutyl Phthalate

CAS Number: 84-74-2

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First Dose M/F: 08/17/10 / 08/16/10

Lab: BAT

| B6C3F1/N MICE MALE | 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 | ANIMAL ID | males
(cont...) |
|--------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|--------------------|
| | | 7 | 7 | 7 | 4 | 7 | 7 | 7 | 7 | 6 | 0 | 6 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | | |
| 10000 ppm | | 3 | 3 | 3 | 0 | 3 | 3 | 3 | 3 | 0 | 5 | 8 | 3 | 3 | 3 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 2 | | |
| | | 1 | 1 | 1 | 0 | 2 | 2 | 0 | 2 | 7 | 1 | 8 | 1 | 2 | 0 | 4 | 1 | 1 | 2 | 0 | 1 | 2 | 2 | 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 | | |
| | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | |
| | | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | | |
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 4 | | |

| | | | | | | | | | | | | | | | | | | | | | | | | |
|------------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|
| Bile Duct, Cyst | | | | | | | | | | | | | | | | | | | | | | | | |
| Hepatocyte, Cytoplasmic Alteration | 1 | | | 1 | 1 | | 1 | 1 | 1 | | | 1 | 1 | 1 | | 1 | 1 | 1 | 1 | 1 | | 1 | | |
| Hepatocyte, Multinucleated | 1 | 1 | | 1 | 1 | 1 | 1 | 1 | 1 | | | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | |
| Pancreas | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Inflammation, Chronic Active | | | | | | | | | | | | | | | | | | | | | | | 2 | |
| Salivary Glands | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Stomach, Forestomach | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Epithelium, Hyperplasia | | | | 1 | | | | | | | | | | | | | | | | | | | | |
| Stomach, Glandular | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Mineral | | | 2 | | | | | | | | | | | | | | | | | | | | | |
| Epithelium, Ulcer | | | | 1 | | | | | | | | | | | | | | | | | | | | |
| Tooth | | | | | | | | | | | | | | | | | | | | | | | | |
| Dysplasia | | | | | | | | | | | | | | | | | | | | | | | | |
| Inflammation, Suppurative | | | | | | | | | | | | | | | | | | | | | | | | |

CARDIOVASCULAR SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | |
|--------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Blood Vessel | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Heart | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Cardiomyopathy | | 1 | | 1 | | | 1 | 1 | | | 1 | 1 | | 1 | 1 | 1 | | 1 | | | | | |
| Thrombus | | | | | | | | | | | | | | | | | | | | | | | |
| Valve, Angiectasis | | | 2 | | | | | | | | | | | | | | | | | | | | |

ENDOCRINE SYSTEM

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
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 1-4 .. Lesion qualified as:
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Route: DOSED FEED

Species/Strain: MICE/B6C3F1/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Dibutyl Phthalate

CAS Number: 84-74-2

Date Report Requested: 06/04/2018

Time Report Requested: 09:07:59

First Dose M/F: 08/17/10 / 08/16/10

Lab: BAT

| B6C3F1/N MICE MALE
10000 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 | males
(cont...) | | |
|---|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|--------------------|--|--|
| | 7 | 7 | 7 | 4 | 7 | 7 | 7 | 7 | 6 | 0 | 6 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | | | | |
| | 3 | 3 | 3 | 0 | 3 | 3 | 3 | 3 | 0 | 5 | 8 | 3 | 3 | 3 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | | | | |
| | 1 | 1 | 1 | 0 | 2 | 2 | 0 | 2 | 7 | 1 | 8 | 1 | 2 | 0 | 4 | 1 | 1 | 2 | 0 | 1 | 2 | 2 | 4 | | | | |
| | 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 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | | |
| | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | | | | |
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | | |
| Adrenal Cortex
Subcapsular, Hyperplasia | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | |
| | | | 1 | | | 1 | | | | | | | | | | | 1 | | | | | 1 | | 1 | | | |
| Adrenal Medulla | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | |
| Islets, Pancreatic
Hyperplasia | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | |
| | | | 2 | | | 1 | | | | | | | | | 1 | 1 | | | | | | | | | | | |
| Parathyroid Gland | + | + | + | + | + | + | + | + | M | + | M | + | + | + | + | + | + | + | + | + | M | + | + | + | | | |
| Pituitary Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | | |
| Thyroid Gland
Follicle, Cyst
Follicle, Degeneration | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | |

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|--|--|
| Coagulating Gland
Bilateral, Atrophy | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | + | | | | | | | | | | | | | | |
| Epididymis
Hypospermia
Inflammation, Chronic
Sperm Granuloma
Bilateral, Hypospermia
Bilateral, Duct, Atrophy | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically
 1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

Experiment Number: 10987 - 02
 Test Type: CHRONIC
 Route: DOSED FEED
 Species/Strain: MICE/B6C3F1/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Dibutyl Phthalate
 CAS Number: 84-74-2

Date Report Requested: 06/04/2018
 Time Report Requested: 09:07:59
 First Dose M/F: 08/17/10 / 08/16/10
 Lab: BAT

| B6C3F1/N MICE MALE
10000 ppm | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | | ANIMAL ID | males
(cont...) | | | | | | | | |
|--|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|---|-----------|--------------------|---|---|---|---|---|---|---|---|
| | 0731 | 0731 | 0731 | 0731 | 0731 | 0731 | 0731 | 0731 | 0731 | 0731 | 0731 | 0731 | 0731 | 0731 | 0731 | 0731 | 0731 | 0731 | 0731 | 0731 | 0731 | 0731 | 0731 | 0731 | | | | | | | | | | | |
| Bilateral, Duct, Exfoliated Germ Cell Duct, Exfoliated Germ Cell | 3 | | | | | | | | 1 | 2 | 2 | | | | | | | 2 | | | | | | | 2 | | | | | | | | | | |
| Preputial Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | | | | | | | | |
| Prostate | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | | | | | | | | |
| Seminal Vesicle
Bilateral, Atrophy | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | | | | | | | | |
| Testis
Bilateral, Germinal Epithelium, Degeneration | 3 | | | | | | | | 2 | 2 | | | | | | | | 3 | 3 | | | 1 | | | 2 | | | | | | | | | | |
| Testis
Bilateral, Interstitial Cell, Atrophy
Germinal Epithelium, Degeneration | | | | | | | | | | | | | | | | | | 3 | | | | | | | 3 | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | |
| HEMATOPOIETIC SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bone Marrow
Hypercellularity
Hypocellularity | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | 2 | 4 | | | | | | |
| Lymph Node
Renal, Hyperplasia, Lymphocyte
Renal, Infiltration Cellular, Mixed Cell | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Lymph Node, Mandibular
Hyperplasia, Lymphoid | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | | | | | | |
| Lymph Node, Mesenteric
Extramedullary Hematopoiesis
Hemorrhage | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 3 | 2 | 2 | 2 | 2 | 2 | 3 |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

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

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 Lab: BAT

| B6C3F1/N MICE MALE

10000 ppm | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | males
(cont...) | |
|---|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|--------------------|---------------------------------------|
| | 0
7
3
1 | 0
7
3
1 | 0
7
3
1 | 0
4
0
0 | 0
7
3
2 | 0
7
3
2 | 0
7
3
0 | 0
7
3
2 | 0
6
3
7 | 0
0
5
1 | 0
6
8
8 | 0
7
3
1 | 0
7
3
2 | 0
6
3
0 | 0
7
2
4 | 0
7
3
1 | 0
7
3
2 | 0
7
3
0 | 0
7
3
1 | 0
7
3
2 | 0
7
3
2 | 0
6
3
2 | | |
| | ANIMAL ID | | | | | | | | | | | | | | | | | | | | | | | |
| Hyperplasia, Lymphocyte Infiltration Cellular, Mast Cell
Infiltration Cellular, Mixed Cell
Infiltration Cellular, Plasma Cell | | | | | | | | | | | | | | | | | | | | | | | | 3 2 3 2 |
| Spleen
Extramedullary Hematopoiesis
Hyperplasia, Lymphocyte
White Pulp, Atrophy | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 1 3 1 3 3 2 2 3 3 2 2 3 3 2 2 1 2 3 4 |
| Thymus
Atrophy
Cyst
Hyperplasia, Lymphoid | + | + | + | M | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | 3 3 4 2 4 X 4 3 3 |
| INTEGUMENTARY SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | |
| Mammary Gland | M | M | M | + | M | M | M | M | M | M | M | M | M | + | M | M | + | M | M | M | M | M | M | |
| Skin | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| MUSCULOSKELETAL SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | |
| Bone
Intervertebral Disc, Degeneration | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 2 |
| NERVOUS SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | |
| Brain
Bacterium
Inflammation, Suppurative | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | X 4 |

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 + .. Tissue examined microscopically
 X .. Lesion present
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 Lab: BAT

| B6C3F1/N MICE MALE
10000 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 | males
(cont...) |
|---------------------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--------------------|
| | | 7 | 7 | 7 | 4 | 7 | 7 | 7 | 7 | 6 | 0 | 6 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | |
| | ANIMAL ID | 3 | 3 | 3 | 0 | 3 | 3 | 3 | 3 | 0 | 5 | 8 | 3 | 3 | 3 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 2 | |
| | | 1 | 1 | 1 | 0 | 2 | 2 | 0 | 2 | 7 | 1 | 8 | 1 | 2 | 0 | 4 | 1 | 1 | 2 | 0 | 1 | 2 | 0 | 1 | 2 | 2 | 2 | 2 | 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 | |
| | | 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 | 1 | 1 | |
| | | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | |
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | | | | |

Metaplasia, Osseous

Spinal Cord
 Axon, Degeneration

+
1

RESPIRATORY SYSTEM

Lung
 Infiltration Cellular, Mononuclear Cell
 Alveolar Epithelium, Hyperplasia

+
 1

Nose
 Eosinophilic Material
 Inflammation
 Olfactory Epithelium, Accumulation, Hyaline Droplet
 Olfactory Epithelium, Metaplasia, Respiratory
 Respiratory Epithelium, Hyperplasia

+
 1
 1
 1
 1 1 1 1 1 1 1 1
 1

Trachea

+ +

SPECIAL SENSES SYSTEM

Eye
 Phthisis Bulbi

+ +

Harderian Gland
 Hyperplasia

+ +

URINARY SYSTEM

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
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 Lab: BAT

| B6C3F1/N MICE MALE
10000 ppm | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | | males
(cont...) |
|---|-------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--------------------|
| | 071 | 073 | 073 | 073 | 074 | 077 | 077 | 077 | 077 | 077 | 077 | 077 | 077 | 077 | 077 | 077 | 077 | 077 | 077 | 077 | 077 | 077 | 077 | 077 | 076 | |
| ANIMAL ID | 001 | 001 | 001 | 001 | 001 | 001 | 001 | 001 | 001 | 001 | 001 | 001 | 001 | 001 | 001 | 001 | 001 | 001 | 001 | 001 | 001 | 001 | 001 | 001 | 006 | |
| Kidney Cyst Mineral Nephropathy, Chronic Progressive | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Urinary Bladder Infiltration Cellular, Mononuclear Cell | | | | | | | | | | | | | | | | | | | | | | | | | | |

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 + .. Tissue examined microscopically
 X .. Lesion present
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Species/Strain: MICE/B6C3F1/N

Lab: BAT

| B6C3F1/N MICE MALE | DAY ON TEST | 0 | | | | | | | | | | | | | | | | | | | | * TOTALS | | |
|--------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----------|---|--|
| | | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | | 7 | |
| 10000 ppm | | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | | |
| | | 2 | 2 | 2 | 1 | 1 | 2 | 1 | 2 | 1 | 2 | 0 | 2 | 0 | 1 | 0 | 1 | 0 | 2 | 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 | |
| | ANIMAL ID | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | |
| | | 7 | 7 | 7 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | | |
| | | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | | |

ALIMENTARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--------------|
| Esophagus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 |
| Gallbladder | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | 49 |
| Intestine Large, Cecum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Intestine Large, Colon | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Intestine Large, Rectum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Intestine Small, Duodenum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Intestine Small, Ileum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Intestine Small, Jejunum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Peyer's Patch, Hyperplasia, Lymphocyte | | | | | | | | | | | 4 | | 4 | | | | | | | 4 | | | | 4 3.5 |
| Liver | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Basophilic Focus | | | | | | | | | | | | | | | | | | | | | | X | | 3 |
| Clear Cell Focus | | | X | | | | | | X | | | | | | | | | | | | | | X | 5 |
| Eosinophilic Focus | | | | | | | | | | | | | | | | | | X | | | | | | 1 |
| Extramedullary Hematopoiesis | | | | | | | | | | | | | | | | | | | | | | | | 1 2.0 |
| Inflammation, Granulomatous | | | | | | | | | | | | | | | | | | | | | | | | 1 4.0 |
| Mineral | | | | | | | | | | | | | | | | | | | | | | | | 1 3.0 |
| Mixed Cell Focus | | | | | | | X | | | | | | | | | | | | | | | | | 3 |
| Necrosis | | | | | | | | | | | | | | | | | | | 1 | | | | | 7 2.1 |
| Pigment | | | | | | | | | | | | | | | | | | | | | 1 | | | 2 1.0 |
| Tension Lipidosis | | | | | | | X | | | | X | | | | | | | | | | | | | 2 |
| Thrombus | | | | | | | | | | | | | | | | | | | | | 2 | | | 1 2.0 |

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I .. Insufficient tissue BLANK .. Not examined microscopically 2) Mild 4) Marked

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Lab: BAT

| B6C3F1/N MICE MALE
10000 ppm | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | * TOTALS |
|------------------------------------|-------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|----|----------|
| | 0732 | 0733 | 0732 | 0731 | 0772 | 0771 | 0770 | 0773 | 0772 | 0771 | 0770 | 0773 | 0772 | 0771 | 0770 | 0773 | 0772 | 0771 | 0770 | 0773 | 0772 | 0771 | 0770 | | |
| ANIMAL ID | 001766 | 001767 | 001768 | 001769 | 001770 | 001771 | 001772 | 001773 | 001774 | 001775 | 001776 | 001777 | 001778 | 001779 | 001780 | 001781 | 001782 | 001783 | 001784 | 001785 | 001786 | 001787 | 001788 | | |
| Bile Duct, Cyst | X | | | | | | | | | | | | | | | | | | | | | | | 1 | |
| Hepatocyte, Cytoplasmic Alteration | | | | 1 | 1 | 1 | | 1 | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 36 | |
| Hepatocyte, Multinucleated | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 42 | |
| Pancreas | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Inflammation, Chronic Active | | | | | | | | | | | | | | | | | | | | | | | | 1 | |
| Salivary Glands | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Stomach, Forestomach | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Epithelium, Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | | 1 | |
| Stomach, Glandular | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Mineral | | | | | | | | | | | | | | | | | | | | | | | | 1 | |
| Epithelium, Ulcer | | | | | | | | | | | | | | | | | | | | | | | | 1 | |
| Tooth | | | + | | | | | | + | + | + | | | | + | + | | | | | | + | 9 | | |
| Dysplasia | | | 4 | | | | | | 1 | 1 | 1 | | | | 1 | 1 | | | | | | 1 | 9 | | |
| Inflammation, Suppurative | | | 4 | | | | | | | | | | | | | | | | | | | | 1 | | |
| CARDIOVASCULAR SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | |
| Blood Vessel | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | 49 |
| Heart | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Cardiomyopathy | | | | | | | | | | 1 | | | | | | 1 | | | | | 1 | | 1 | 14 | |
| Thrombus | | | | | | | | | | | | | | | | | | | | 2 | | | | 1 | |
| Valve, Angiectasis | | | | | | | | | | | | | | | | | | | | | | | | 1 | |
| ENDOCRINE SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | |

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

1-4 .. Lesion qualified as:
1) Minimal 3) Moderate
2) Mild 4) Marked

Experiment Number: 10987 - 02
 Test Type: CHRONIC
 Route: DOSED FEED
 Species/Strain: MICE/B6C3F1/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Dibutyl Phthalate
 CAS Number: 84-74-2

Date Report Requested: 06/04/2018
 Time Report Requested: 09:07:59
 First Dose M/F: 08/17/10 / 08/16/10
 Lab: BAT

| B6C3F1/N MICE MALE
10000 ppm | DAY ON TEST | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0678 | 0732 | 0732 | 0732 | * TOTALS |
|---|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|----------|
| | ANIMAL ID | 00176 | 00177 | 00178 | 00179 | 00180 | 00181 | 00182 | 00183 | 00184 | 00185 | 00186 | 00187 | 00188 | 00189 | 00190 | 00191 | 00192 | 00193 | 00194 | 00195 | 00196 | 00197 | |
| Adrenal Cortex
Subcapsular, Hyperplasia | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 1 | 1 | 20 1.1 | |
| Adrenal Medulla | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Islets, Pancreatic
Hyperplasia | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| | 1 | | | | | | | | | | | | | | | | | | | 1 | | 1 | 7 1.1 | |
| Parathyroid Gland | + | M | + | + | + | M | + | + | M | + | + | + | + | M | + | + | + | + | + | M | M | + | + | 40 |
| Pituitary Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | 48 |
| Thyroid Gland
Follicle, Cyst
Follicle, Degeneration | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| | | | | | | | | | | | | | | | | | | | | | | X | 1 | 1 2.0 |

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-------|-------|
| Coagulating Gland
Bilateral, Atrophy | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 3.0 |
| Epididymis
Hypospermia
Inflammation, Chronic
Sperm Granuloma
Bilateral, Hypospermia
Bilateral, Duct, Atrophy | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| | | | | | 4 | | | | | | | | | | | | | | | | | | 1 4.0 | |
| | | | | | | 2 | | | | | | | | | | | | | | | | | 1 3.0 | |
| | | | | | | | | | | | | | | | | | | | | | | | 2 2.0 | |
| | | | | | | | | | | | | | | | | | | | | | | | 2 2.5 | |
| | | | | | | | | | | | | | | | | | | | | | | | 1 3.0 | |

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

1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

Experiment Number: 10987 - 02
 Test Type: CHRONIC
 Route: DOSED FEED
 Species/Strain: MICE/B6C3F1/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Dibutyl Phthalate
 CAS Number: 84-74-2

Date Report Requested: 06/04/2018
 Time Report Requested: 09:07:59
 First Dose M/F: 08/17/10 / 08/16/10
 Lab: BAT

| B6C3F1/N MICE MALE
10000 ppm | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | * TOTALS | | |
|--|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------|-----|-----|
| | 0732 | 0732 | 0732 | 0731 | 0731 | 0732 | 0731 | 0732 | 0731 | 0732 | 0731 | 0732 | 0731 | 0732 | 0731 | 0732 | 0731 | 0732 | 0731 | 0732 | 0731 | 0732 | 0731 | 0732 | | | |
| ANIMAL ID | 00176 | 00177 | 00178 | 00179 | 00180 | 00181 | 00182 | 00183 | 00184 | 00185 | 00186 | 00187 | 00188 | 00189 | 00190 | 00191 | 00192 | 00193 | 00194 | 00195 | 00196 | 00197 | 00198 | 00199 | | | |
| Bilateral, Duct, Exfoliated Germ Cell | | | | | | | | | | | | | | | | | | | | | | | | | 8 | 1.9 | |
| Duct, Exfoliated Germ Cell | | | | | | | | | | | | | | | | | | | | | | | | | | 5 | 1.2 |
| Preputial Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | | |
| Prostate | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | | |
| Seminal Vesicle | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | | |
| Bilateral, Atrophy | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 3.0 | |
| Testis | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | | |
| Bilateral, Germinal Epithelium, Degeneration | | | | | | | | | | | | | | | | | | | | | | | | | 12 | 2.3 | |
| Bilateral, Interstitial Cell, Atrophy | | | | | | | | | | | | | | | | | | | | | | | | | 3 | 3.0 | |
| Germinal Epithelium, Degeneration | | | | | | | | | | | | | | | | | | | | | | | | | 3 | 1.7 | |
| HEMATOPOIETIC SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bone Marrow | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | | |
| Hypercellularity | | | | | | | | | | | | | | | | | | | | | | | | | 3 | 2.7 | |
| Hypocellularity | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 2.0 | |
| Lymph Node | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| Renal, Hyperplasia, Lymphocyte | | | | | | | | | | | | | | | | | | | | | | | | | 3 | 3.0 | |
| Renal, Infiltration Cellular, Mixed Cell | | | | | | | | | | | | | | | | | | | | | | | | | 3 | 3.0 | |
| Lymph Node, Mandibular | M | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | M | + | + | + | M | + | + | 46 | |
| Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 2.0 | |
| Lymph Node, Mesenteric | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 | | |
| Extramedullary Hematopoiesis | | | | | | | | | | | | | | | | | | | | | | | | | 6 | 2.2 | |
| Hemorrhage | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 3.0 | |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically
 1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

Experiment Number: 10987 - 02
 Test Type: CHRONIC
 Route: DOSED FEED
 Species/Strain: MICE/B6C3F1/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Dibutyl Phthalate
 CAS Number: 84-74-2

Date Report Requested: 06/04/2018
 Time Report Requested: 09:07:59
 First Dose M/F: 08/17/10 / 08/16/10
 Lab: BAT

| B6C3F1/N MICE MALE
10000 ppm | | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | * TOTALS | | | | | | | | |
|---|--|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
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9 |
| | | Metaplasia, Osseous | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 1.0 | | | | | |
| Spinal Cord
Axon, Degeneration | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 1.0 | | | | | | | |
| RESPIRATORY SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Lung | | | | | | | | | | | | | | | | | | | | | | | | | | 50 | | | | | | | | |
| Infiltration Cellular, Mononuclear Cell | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | 4 1.8 | | | | | | | |
| Alveolar Epithelium, Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | | | | 3 | 3 1.7 | | | | | | | |
| Nose | | | | | | | | | | | | | | | | | | | | | | | | | | 50 | | | | | | | | |
| Eosinophilic Material | | | | | | | | | | | | | | | | | | | | | | | | | | 49 | 1.0 | | | | | | | |
| Inflammation | | | | | | | | | | | | | | | | | | | | | | | | | | 3 | 1.0 | | | | | | | |
| Olfactory Epithelium, Accumulation, Hyaline Droplet | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1.0 | | | | | | | |
| Olfactory Epithelium, Metaplasia, Respiratory | | | | | | | | | | | | | | | | | | | | | | | | | | 4 | 1.0 | | | | | | | |
| Respiratory Epithelium, Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | | | | 18 | 1.0 | | | | | | | |
| Trachea | | | | | | | | | | | | | | | | | | | | | | | | | | 50 | | | | | | | | |
| SPECIAL SENSES SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Eye | | | | | | | | | | | | | | | | | | | | | | | | | | 50 | | | | | | | | |
| Phthisis Bulbi | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | |
| Harderian Gland | | | | | | | | | | | | | | | | | | | | | | | | | | 50 | | | | | | | | |
| Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | 2.0 | | | | | | | |
| URINARY SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

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

1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

Experiment Number: 10987 - 02
 Test Type: CHRONIC
 Route: DOSED FEED
 Species/Strain: MICE/B6C3F1/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Dibutyl Phthalate
 CAS Number: 84-74-2

Date Report Requested: 06/04/2018
 Time Report Requested: 09:07:59
 First Dose M/F: 08/17/10 / 08/16/10
 Lab: BAT

| B6C3F1/N MICE MALE
10000 ppm | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | * TOTALS |
|---|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------|
| | 0732 | 0732 | 0732 | 0731 | 0731 | 0732 | 0731 | 0732 | 0731 | 0732 | 0731 | 0732 | 0731 | 0732 | 0731 | 0732 | 0731 | 0732 | 0731 | 0732 | 0731 | 0732 | 0731 | 0732 | |
| ANIMAL ID | 00176 | 00177 | 00178 | 00179 | 00180 | 00181 | 00182 | 00183 | 00184 | 00185 | 00186 | 00187 | 00188 | 00189 | 00190 | 00191 | 00192 | 00193 | 00194 | 00195 | 00196 | 00197 | 00198 | 00199 | |
| Kidney Cyst | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Mineral Nephropathy, Chronic Progressive | | | | 1 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 1 | 2 | 1 | 1 | 1 | 3 | 2 | 1 | 1 | 37 |
| Urinary Bladder Infiltration Cellular, Mononuclear Cell | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| | | | | | | | | | | | | | | | | | | | | | | | | | 2 |
| | | | | | | | | | | | | | | | | | | | | | | | | | 1.5 |
| | | | | | | | | | | | | | | | | | | | | | | | | | 1.3 |
| | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| | | | | | | | | | | | | | | | | | | | | | | | | | 1.0 |

*** END OF MALE DATA ***

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically
 1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
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Experiment Number: 10987 - 02

Test Type: CHRONIC

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Species/Strain: MICE/B6C3F1/N

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Dibutyl Phthalate

CAS Number: 84-74-2

Date Report Requested: 06/04/2018

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First Dose M/F: 08/17/10 / 08/16/10

Lab: BAT

| B6C3F1/N MICE FEMALE | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | ANIMAL ID | females
(cont...) |
|----------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|----------------------|
| | 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 ppm | 7 | 7 | 6 | 7 | 6 | 7 | 7 | 7 | 5 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 0 | |
| | 3 | 3 | 4 | 3 | 5 | 3 | 3 | 3 | 9 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 0 | |
| | 0 | 0 | 7 | 0 | 9 | 0 | 0 | 0 | 7 | 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 | |
| | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 0 | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 0 | |
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 0 | |

Necrosis
Tension Lipidosis
Endothelium, Hyperplasia

1

2

Mesentery
Fat, Necrosis

+

3

Pancreas
Infiltration Cellular, Lymphocyte

+ +

Salivary Glands

+ +

Stomach, Forestomach
Epithelium, Hyperplasia

+
2 3

Stomach, Glandular
Cyst
Mineral
Epithelium, Hyperplasia

+
2

Tooth
Dysplasia
Inflammation, Chronic Active
Necrosis

+
1
2
2

CARDIOVASCULAR SYSTEM

Blood Vessel
Mineral

+
2 2

Heart

+ +

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
+ .. Tissue examined microscopically
X .. Lesion present
I .. Insufficient tissue

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

1-4 .. Lesion qualified as:
1) Minimal 3) Moderate
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Experiment Number: 10987 - 02

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: MICE/B6C3F1/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Dibutyl Phthalate

CAS Number: 84-74-2

Date Report Requested: 06/04/2018

Time Report Requested: 09:07:59

First Dose M/F: 08/17/10 / 08/16/10

Lab: BAT

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|------------------------------|---|
| B6C3F1/N MICE FEMALE | 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 | females
(cont...) | |
| | ANIMAL ID | 7 | 7 | 6 | 7 | 6 | 7 | 7 | 7 | 5 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | | 2 |
| 0 ppm | | 3 | 3 | 4 | 3 | 5 | 3 | 3 | 3 | 9 | 3 | 3 | 3 | 3 | 3 | 3 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | |
| | | 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 | | |

Cardiomyopathy 1 1 1 1 1 1 1 1 1

Endothelium, Hyperplasia 2

Valve, Bacterium X

Valve, Inflammation, Chronic 1

Valve, Inflammation, Chronic Active

ENDOCRINE SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Adrenal Cortex | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Angiectasis | | | | | | | | | | 2 | | | | | | | | | | | | | | | |
| Subcapsular, Hyperplasia | 1 | 2 | | 1 | | 2 | 1 | 1 | | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 1 | 1 | 2 | 2 | 1 | 2 | 1 | 1 | 2 |
| Adrenal Medulla | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Islets, Pancreatic | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Hyperplasia | | | | | | | | | | | | | | | | 2 | | | | | | | | | |
| Parathyroid Gland | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | M | + | + | M | M | M | + | M | + | + |
| Cyst | | | | | | | | X | | | | | | | | | | | | | | | | | |
| Pituitary Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Pars Distalis, Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | | 1 | |
| Thyroid Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Follicle, Cyst | | | | | | X | | | | | | | | | | | | | | | | | | | |

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Experiment Number: 10987 - 02
 Test Type: CHRONIC
 Route: DOSED FEED
 Species/Strain: MICE/B6C3F1/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Dibutyl Phthalate
 CAS Number: 84-74-2

Date Report Requested: 06/04/2018
 Time Report Requested: 09:07:59
 First Dose M/F: 08/17/10 / 08/16/10
 Lab: BAT

| B6C3F1/N MICE FEMALE
0 ppm | DAY ON TEST | | | | | | | | | | | | | | | | | | | | females
(cont...) | | | | |
|-----------------------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----------------------|---|---|---|---|
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | | | |
| | 7 | 7 | 6 | 7 | 6 | 7 | 7 | 7 | 5 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 2 | 2 | 7 | | 7 | 7 | | |
| ANIMAL ID | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| Clitoral Gland | 3 | 3 | 4 | 3 | 5 | 3 | 3 | 3 | 9 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 2 | 2 | 2 | 2 | 2 | 2 | | | |
| Ovary | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| Angiectasis | | | | 3 | | | | | | | 2 | | | | | | | | | | | | | | |
| Atrophy | 2 | | 3 | | | 2 | 2 | | | 1 | 4 | | | | | | 2 | | 2 | 2 | 1 | 1 | 3 | | |
| Cyst | | | X | | | | | | | | | | | | | | | X | | | | X | | | |
| Inflammation, Suppurative | | | | | 4 | | | | | | | | | | | | | | | | | | | | |
| Follicle, Cyst | | | | | | | | | | | | X | | | | | | | | | | | | | |
| Granulosa Cell, Hyperplasia | | | | | | | | | | | | | | | | | 4 | | | | | | | | |
| Uterus | 2 | | | 1 | | 1 | 2 | 1 | 1 | | | 3 | 1 | 1 | 2 | 3 | 1 | | 1 | 1 | 3 | 2 | 1 | 2 | 1 |
| Angiectasis | | | | | | | | | | | | | | | | | | | | | | | | | |
| Endometrium, Degeneration, Mucoid | | | | | | | | | | | | | | | | | | | | | | | | | |
| Endometrium, Hyperplasia, Cystic | | | | | | | | | | | | | | | | | | | | | | | | | |
| Vagina | | | + | | | | | | | | | | | | | | | | | | | | | | |

HEMATOPOIETIC SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | |
|--------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Bone Marrow | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Angiectasis | | | | | | | | | | | | | | | | | | | | | | | | |
| Hypercellularity | | | | | | | | | | | 2 | | | | | | | | | | | | | |
| Hypercellularity, Granulocytic | | | | | | | | | | | | | | | | | | | | | | | | |
| Hypocellularity | | | | | | | | | | | | | | | | | | | | | | | | |
| Lymph Node | | | | | | | | | | | | | | + | | | | | | | + | | | |
| Lymph Node, Mandibular | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Hyperplasia, Lymphoid | | | | | | 4 | | | | | | | | | | | | | | | 4 | | | |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically
 1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

Experiment Number: 10987 - 02

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: MICE/B6C3F1/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Dibutyl Phthalate

CAS Number: 84-74-2

Date Report Requested: 06/04/2018

Time Report Requested: 09:07:59

First Dose M/F: 08/17/10 / 08/16/10

Lab: BAT

| B6C3F1/N MICE FEMALE | DAY ON TEST | | | | | | | | | | | | | | | | | | | | females
(cont...) | | | | | | | | | | | | | | |
|----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| | 0
7
3
0 | 0
7
3
0 | 0
6
4
7 | 0
7
3
0 | 0
6
5
9 | 0
7
3
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0 | 0
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5
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7 | 0
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9 | 0
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9 | 0
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2
9 | 0
7
2
9 | 0
7
2
9 | | | | | | | |
| 0 ppm | 0
0
2
0
1 | 0
0
0
0
2 | 0
0
0
0
3 | 0
0
0
0
4 | 0
0
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5 | 0
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7 | 0
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8 | 0
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9 | 0
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4 | 0
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5 | 0
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6 | 0
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8 | 0
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2 | 0
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3 | 0
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0
0
4 | 0
0
0
0
5 |

Lymph Node, Mesenteric
Hyperplasia, Lymphocyte Infiltration Cellular, Plasma Cell + + + + + + + + 3 + + + 3 + + + + M + M + + + + +

Spleen
Angiectasis + + + + + + + + + 2
Extramedullary Hematopoiesis + 1 1 3 1 2 2
Hyperplasia, Lymphocyte 2 2 3 3 4 2 2 3 2 3
Pigment 1 1
Lymphoid Follicle, Atrophy
White Pulp, Atrophy 2 3

Thymus
Atrophy + + + + + + + + M + + + + + + + + + + + + + +
Hyperplasia, Lymphoid 3 3 1 1 2

INTEGUMENTARY SYSTEM

Mammary Gland +
Skin
Hair Follicle, Inflammation +

MUSCULOSKELETAL SYSTEM

Bone
Fibro-Osseous Lesion + + + + + + + + 2 2 3 1 1 1
Joint, Degeneration +
Skeletal Muscle

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically
 1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

Experiment Number: 10987 - 02
 Test Type: CHRONIC
 Route: DOSED FEED
 Species/Strain: MICE/B6C3F1/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Dibutyl Phthalate
 CAS Number: 84-74-2

Date Report Requested: 06/04/2018
 Time Report Requested: 09:07:59
 First Dose M/F: 08/17/10 / 08/16/10
 Lab: BAT

| B6C3F1/N MICE FEMALE | DAY ON TEST | | | | | | | | | | | | | | | | | | | | ANIMAL ID | females
(cont...) | |
|----------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|----------------------|---|
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | 0 |
| 0 ppm | 7 | 7 | 6 | 7 | 6 | 7 | 7 | 7 | 5 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 0 | |
| | 3 | 3 | 4 | 3 | 5 | 3 | 3 | 3 | 9 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 2 | 2 | 2 | 2 | 2 | 0 | |
| | 0 | 0 | 7 | 0 | 9 | 0 | 0 | 0 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 | 9 | 9 | 9 | 9 | 0 | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 0 | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 0 | |
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 0 | |

NERVOUS SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Brain | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | | | | | | | | | | | |

RESPIRATORY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lung | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Hyperplasia, Lymphoid | | | | | | | | | | | | | | | 1 | | | | | | | | |
| Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | | | | | | | | | | | 2 |
| Inflammation, Granulomatous | | | | | | | | | | | | | | | | | | | | | | | |
| Mineral | | | | 1 | | | | | | | | | | | | | | | | | | | |
| Alveolar Epithelium, Hyperplasia | | | | | | | | 3 | | | | | | | | | | | | | | 1 | |
| Artery, Inflammation, Suppurative | | | | | 3 | | | | | | | | | | | | | | | | | | |
| Perivascular, Infiltration Cellular, Mononuclear Cell | | | | | | | | | | | | | | | | | | | | | | | |
| Nose | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Eosinophilic Material | | | | | | | | | | | | | | | | | | | | | | | |
| Olfactory Epithelium, Metaplasia, Respiratory | | | | | | | | | | | | | | | | | | | | | | 1 | 1 |
| Respiratory Epithelium, Cyst | | | | | | | | | | | | | | | | | | | | | | | |
| Trachea | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |

SPECIAL SENSES SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | |
|------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Eye | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Inflammation, Chronic Active | | | | | | | | | | | | | | | 3 | | | | | | | | |
| Phthisis Bulbi | | | | | | | | | | | | | | | | | | | | | | | |
| Lens, Cataract | | | | | | | | | | | | | | | 3 | | | | | | | | |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically
 1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

Experiment Number: 10987 - 02
 Test Type: CHRONIC
 Route: DOSED FEED
 Species/Strain: MICE/B6C3F1/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Dibutyl Phthalate
 CAS Number: 84-74-2

Date Report Requested: 06/04/2018
 Time Report Requested: 09:07:59
 First Dose M/F: 08/17/10 / 08/16/10
 Lab: BAT

| B6C3F1/N MICE FEMALE | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | | females
(cont...) |
|----------------------|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------------------|
| | 0730 | 0733 | 0734 | 0737 | 0739 | 0740 | 0743 | 0747 | 0750 | 0753 | 0757 | 0760 | 0763 | 0767 | 0770 | 0773 | 0777 | 0780 | 0783 | 0787 | 0790 | 0793 | 0797 | 0800 | | |
| 0 ppm | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | | |
| ANIMAL ID | 0001 | 0002 | 0003 | 0004 | 0005 | 0006 | 0007 | 0008 | 0009 | 0010 | 0011 | 0012 | 0013 | 0014 | 0015 | 0016 | 0017 | 0018 | 0019 | 0020 | 0021 | 0022 | 0023 | 0024 | 0025 | |

Harderian Gland Hyperplasia + + + + + + + + + + + + + + 2 + + + + + + + + + + + + + +

URINARY SYSTEM

Kidney +
 Infarct 1 2 2
 Metaplasia, Osseous X
 Mineral 2
 Nephropathy, Chronic Progressive 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
 Endothelium, Hyperplasia 2
 Glomerulus, Amyloid
 Pelvis, Dilation 2 2
 Renal Tubule, Accumulation, Hyaline Droplet
 Urinary Bladder +
 Infiltration Cellular, Lymphocyte 1 1 1

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically M .. Missing tissue
 X .. Lesion present A .. Autolysis precludes evaluation
 I .. Insufficient tissue BLANK .. Not examined microscopically
 1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
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Experiment Number: 10987 - 02
 Test Type: CHRONIC
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P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Dibutyl Phthalate
 CAS Number: 84-74-2

Date Report Requested: 06/04/2018
 Time Report Requested: 09:07:59
 First Dose M/F: 08/17/10 / 08/16/10
 Lab: BAT

| B6C3F1/N MICE FEMALE | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | * TOTALS |
|----------------------|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----|----------|
| | 0731 | 0731 | 0731 | 0574 | 0772 | 0772 | 0772 | 0772 | 0679 | 0772 | 0772 | 0772 | 0772 | 0772 | 0772 | 0772 | 0679 | 0772 | 0772 | 0772 | 0772 | 0574 | 0772 | | |
| 0 ppm | 0022 | 0022 | 0022 | 0022 | 0022 | 0022 | 0022 | 0022 | 0022 | 0022 | 0022 | 0022 | 0022 | 0022 | 0022 | 0022 | 0022 | 0022 | 0022 | 0022 | 0022 | 0022 | 0022 | 49 | |

ALIMENTARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---------------------------------------|---------------------------------|
| Esophagus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 | |
| Gallbladder | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Intestine Large, Cecum
Lymphoid Tissue, Hyperplasia | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50
2 | 1 2.0 |
| Intestine Large, Colon | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Intestine Large, Rectum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Intestine Small, Duodenum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Intestine Small, Ileum
Inflammation, Chronic Active
Epithelium, Hyperplasia
Goblet Cell, Hyperplasia | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50
2
2
1 | 2.0
2.0
2.0 |
| Intestine Small, Jejunum
Peyer's Patch, Hyperplasia, Lymphocyte | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50
1 | 4.0 |
| Liver
Basophilic Focus
Eosinophilic Focus
Extramedullary Hematopoiesis
Infiltration Cellular, Mononuclear Cell
Inflammation, Focal
Inflammation, Chronic Active
Mixed Cell Focus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50
6
1
2
2
2
1
2 | 2.5
1.5
1.5
1.0
1.5 |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
 A .. Autolysis precludes evaluation
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 1-4 .. Lesion qualified as:
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 2) Mild 4) Marked

Experiment Number: 10987 - 02

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: MICE/B6C3F1/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Dibutyl Phthalate

CAS Number: 84-74-2

Date Report Requested: 06/04/2018

Time Report Requested: 09:07:59

First Dose M/F: 08/17/10 / 08/16/10

Lab: BAT

| DAY ON TEST | B6C3F1/N MICE FEMALE | | | | | | | | | | | | | | | | | | | | | | | | * TOTALS |
|-------------|----------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------|
| | 0731 | 0731 | 0731 | 0572 | 0772 | 0772 | 0772 | 0677 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0676 | 0777 | 0777 | 0777 | 0575 | 0777 | | |
| 0 ppm | 00226 | 00226 | 00226 | 00226 | 00226 | 00226 | 00226 | 00226 | 00226 | 00226 | 00226 | 00226 | 00226 | 00226 | 00226 | 00226 | 00226 | 00226 | 00226 | 00226 | 00226 | 00226 | 00226 | 4 1.3 | |

Necrosis Tension Lipidosis Endothelium, Hyperplasia X 1 1 1 2 4 1.3 3 1.0 1 2.0

Mesentery Fat, Necrosis 1 1 3.0

Pancreas Infiltration Cellular, Lymphocyte + 50 1 2.0

Salivary Glands + 50

Stomach, Forestomach Epithelium, Hyperplasia + 50 2 2.5

Stomach, Glandular Cyst Mineral Epithelium, Hyperplasia + X 50 1 1 2.0 1 1.0

Tooth Dysplasia Inflammation, Chronic Active Necrosis 2 1 1.0 1 2.0 1 2.0

CARDIOVASCULAR SYSTEM

Blood Vessel Mineral + + + + + + + M + + + + + + + + + + + + + + + + 49 2 2.0

Heart + 50

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically M .. Missing tissue
 X .. Lesion present A .. Autolysis precludes evaluation
 I .. Insufficient tissue BLANK .. Not examined microscopically
 1-4 .. Lesion qualified as:
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Experiment Number: 10987 - 02

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Dibutyl Phthalate

CAS Number: 84-74-2

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First Dose M/F: 08/17/10 / 08/16/10

Lab: BAT

| B6C3F1/N MICE FEMALE
0 ppm | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | * TOTALS |
|-------------------------------------|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------|
| | 0731 | 0731 | 0731 | 0734 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | |
| ANIMAL ID | 0022 | 0022 | 0022 | 0022 | 0023 | 0023 | 0023 | 0023 | 0023 | 0023 | 0023 | 0023 | 0023 | 0023 | 0023 | 0023 | 0023 | 0023 | 0023 | 0023 | 0023 | 0023 | 0023 | 0023 | 0023 |
| Cardiomyopathy | | 1 | | | | | | 1 | | 2 | | 1 | 1 | 1 | | | 1 | 1 | | | | 1 | 1 | 1 | |
| Endothelium, Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | | | |
| Valve, Bacterium | | | | | | | | | | | | | | | | | | | | | | | | | |
| Valve, Inflammation, Chronic | | | | | | | | | | | | | | | | | | | | | | | | | |
| Valve, Inflammation, Chronic Active | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | |

ENDOCRINE SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| Adrenal Cortex | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Angiectasis | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Subcapsular, Hyperplasia | 2 | 2 | 1 | | 2 | 1 | 1 | | 1 | 2 | 2 | 2 | 1 | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 1 | | 44 |
| Adrenal Medulla | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 |
| Islets, Pancreatic | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Hyperplasia | | | | | | 1 | | | | | | | | | | | | | | | | | | | 2 |
| Parathyroid Gland | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 43 |
| Cyst | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Pituitary Gland | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 |
| Pars Distalis, Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | 2 | | 2 |
| Thyroid Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Follicle, Cyst | | | | | | | | | | | | | | | | | | | | | | | | | 2 |

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
+ .. Tissue examined microscopically
X .. Lesion present
I .. Insufficient tissue
M .. Missing tissue
A .. Autolysis precludes evaluation
BLANK .. Not examined microscopically
1-4 .. Lesion qualified as:
1) Minimal 3) Moderate
2) Mild 4) Marked

Experiment Number: 10987 - 02

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: MICE/B6C3F1/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Dibutyl Phthalate

CAS Number: 84-74-2

Date Report Requested: 06/04/2018

Time Report Requested: 09:07:59

First Dose M/F: 08/17/10 / 08/16/10

Lab: BAT

| B6C3F1/N MICE FEMALE | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | * TOTALS | | |
|-----------------------------------|-------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|----------|--------|--|
| | 0731 | 0731 | 0731 | 0734 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | | | |
| 0 ppm | ANIMAL ID | | | | | | | | | | | | | | | | | | | | | | | | * TOTALS | | |
| | 002226 | 002226 | 002226 | 002226 | 002226 | 002226 | 002226 | 002226 | 002226 | 002226 | 002226 | 002226 | 002226 | 002226 | 002226 | 002226 | 002226 | 002226 | 002226 | 002226 | 002226 | 002226 | 002226 | 002226 | | 002226 | |
| Clitoral Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | | |
| Ovary | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | 48 | | |
| Angiectasis | | | | | | | | | | | | | | | | | | | | | | | | | 2 2.5 | | |
| Atrophy | | | | 2 | 1 | | | | 3 | | 2 | 2 | | 2 | | | 2 | 3 | 2 | 2 | | 2 | 3 | | 24 2.1 | | |
| Cyst | | | | | | | X | | | | X | | | | | | | | | X | | | | | 6 | | |
| Inflammation, Suppurative | | | | | | | | | | | | | | | | | | | | | | | | | 1 4.0 | | |
| Follicle, Cyst | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| Granulosa Cell, Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | | | 1 4.0 | | |
| Uterus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | | | |
| Angiectasis | | | | | | | | | | 2 | | | | | | | | | | | | | | | 1 2.0 | | |
| Endometrium, Degeneration, Mucoid | | | | | | | | | | | | | | | | | | | 1 | | | | | | 1 1.0 | | |
| Endometrium, Hyperplasia, Cystic | 2 | 4 | 3 | | 3 | 2 | 2 | 3 | | 3 | 1 | 3 | 1 | 4 | 2 | 1 | 1 | | 1 | | 2 | 2 | | 2 | 38 1.9 | | |
| Vagina | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| HEMATOPOIETIC SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bone Marrow | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | | |
| Angiectasis | | | | | | | | | 1 | | | | | | | | | | | | | | | | 1 1.0 | | |
| Hypercellularity | | | | | | | | | | | | | | | | | | | 2 | | | | | | 2 2.0 | | |
| Hypercellularity, Granulocytic | | | | X | | | | | | | | | | | | | | | | | | | | | 1 | | |
| Hypocellularity | | | | 4 | | | | | | | | 1 | | | | | | | | | | | | | 2 2.5 | | |
| Lymph Node | + | | | | | | | | | | | | | | | | | | | | | | + | | 4 | | |
| Lymph Node, Mandibular | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | 49 | | |
| Hyperplasia, Lymphoid | | | | | | | | 2 | | 4 | | | | | | | | | | | | | 2 | | 5 3.2 | | |

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

1-4 .. Lesion qualified as:
1) Minimal 3) Moderate
2) Mild 4) Marked

Experiment Number: 10987 - 02

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: MICE/B6C3F1/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Dibutyl Phthalate

CAS Number: 84-74-2

Date Report Requested: 06/04/2018

Time Report Requested: 09:07:59

First Dose M/F: 08/17/10 / 08/16/10

Lab: BAT

| B6C3F1/N MICE FEMALE | DAY ON TEST | | | | | | | | | | | | | | | | | | | | * TOTALS | | | |
|----------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----------|---|---|---|
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | | |
| 0 ppm | 7 | 7 | 7 | 5 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 5 | 7 | | |
| | 3 | 3 | 3 | 4 | 2 | 2 | 2 | 2 | 9 | 2 | 2 | 3 | 3 | 3 | 2 | 2 | 2 | 3 | 1 | 3 | 3 | 3 | | 2 |
| | 1 | 1 | 1 | 1 | 9 | 9 | 9 | 9 | 8 | 9 | 9 | 1 | 1 | 1 | 1 | 9 | 1 | 9 | 0 | 4 | 0 | 3 | | 9 |
| | 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 | |
| | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | |
| | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | |
| | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 9 | |

NERVOUS SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|---|-----|
| Brain | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | | |
| Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | | | 1 | | | | | | | | | | 1 | 1.0 |

RESPIRATORY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|---|-----|
| Lung | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | | |
| Hyperplasia, Lymphoid | | | | | | | | | | | | 2 | | | | | | | | | | | | | 2 | 1.5 |
| Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | | | | | | | | | 2 | | | | 2 | 2.0 |
| Inflammation, Granulomatous | | | | | | | | | | | | | | | | | | | | | | 2 | | | 1 | 2.0 |
| Mineral | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1.0 |
| Alveolar Epithelium, Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | | | 2 | 2.0 |
| Artery, Inflammation, Suppurative | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 3.0 |
| Perivascular, Infiltration Cellular, Mononuclear Cell | | | | | | | | | | | | 2 | 2 | | | | | | | | | | | | 2 | 2.0 |
| Nose | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | | |
| Eosinophilic Material | | | | | | | | | | | | | | | | | | | | | | 1 | | | 1 | 1.0 |
| Olfactory Epithelium, Metaplasia, Respiratory | | | | | | 1 | | | | | | | | | | | | | | | | 1 | | | 4 | 1.0 |
| Respiratory Epithelium, Cyst | | | | | | | | | | | | | | | | | | | | | | | X | | 1 | |
| Trachea | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | | |

SPECIAL SENSES SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|---|-----|
| Eye | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | | |
| Inflammation, Chronic Active | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 3.0 |
| Phthisis Bulbi | | | | | | | | | | | | | | | | | | | | | | X | | | 1 | |
| Lens, Cataract | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 3.0 |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
+ .. Tissue examined microscopically
X .. Lesion present
I .. Insufficient tissue
M .. Missing tissue
A .. Autolysis precludes evaluation
BLANK .. Not examined microscopically
1-4 .. Lesion qualified as:
1) Minimal 3) Moderate
2) Mild 4) Marked

| B6C3F1/N MICE FEMALE
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 | * TOTALS |
|-------------------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----------|
| | ANIMAL ID | 7 | 7 | 7 | 5 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 5 | 7 | |
| | | 3 | 3 | 3 | 4 | 2 | 2 | 2 | 2 | 9 | 2 | 2 | 3 | 3 | 3 | 3 | 2 | 2 | 2 | 3 | 1 | 3 | 3 | 2 | |
| | | 1 | 1 | 1 | 1 | 9 | 9 | 9 | 9 | 8 | 9 | 1 | 1 | 1 | 1 | 9 | 9 | 1 | 9 | 0 | 0 | 3 | 3 | 9 | |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | |
| | | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | |
| | | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 0 | |

| | | | |
|--------------------------------|---|-----------|--------------|
| Harderian Gland
Hyperplasia | + | 50 | |
| | 4 | | 3 2.3 |

URINARY SYSTEM

| | | | |
|---|---|-----------|---------------|
| Kidney | + | 50 | |
| Infarct | | | 6 1.5 |
| Metaplasia, Osseous | X | | 2 |
| Mineral | | | 1 2.0 |
| Nephropathy, Chronic Progressive | 1 1 1 3 1 1 1 | | 33 1.1 |
| Endothelium, Hyperplasia | | | 1 2.0 |
| Glomerulus, Amyloid | 4 | | 1 4.0 |
| Pelvis, Dilation | | | 2 2.0 |
| Renal Tubule, Accumulation, Hyaline Droplet | | 2 | 1 2.0 |
| Urinary Bladder | + + + + + + + + + + + + + + M + M + + + + + + + | 48 | |
| Infiltration Cellular, Lymphocyte | | 1 1 | 5 1.0 |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
+ .. Tissue examined microscopically
X .. Lesion present
I .. Insufficient tissue

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

1-4 .. Lesion qualified as:
1) Minimal 3) Moderate
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Experiment Number: 10987 - 02

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: MICE/B6C3F1/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Dibutyl Phthalate

CAS Number: 84-74-2

Date Report Requested: 06/04/2018

Time Report Requested: 09:07:59

First Dose M/F: 08/17/10 / 08/16/10

Lab: BAT

| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------|-----------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| B6C3F1/N MICE FEMALE | 1000 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 | |
| | | 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 |
| | | | 7 | 7 | 5 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 5 | 7 | 5 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 2 | 2 | 2 |

females (cont...)

ALIMENTARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Esophagus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Gallbladder | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Large, Cecum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Large, Colon | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Large, Rectum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Small, Duodenum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Small, Ileum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Small, Jejunum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Inflammation, Chronic Active | | | | | | | | | | 2 | | | | | | | | | | | | | | | |
| Epithelium, Hyperplasia | | | | | | | | | | 3 | | | | | | | | | | | | | | | |
| Peyer's Patch, Hyperplasia, Lymphocyte | | | | | | | | | | | | | | | | | | | 2 | | | | | | |
| Liver | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Basophilic Focus | | | | | | | | | | | | | | | | | | | | | | | | | |
| Clear Cell Focus | | | | X | | | | | | | | | | | | | | | | | | | | | |
| Eosinophilic Focus | | | | | | | | | | | | | X | X | | | | | | | | | | | |
| Extramedullary Hematopoiesis | | | | | | | | | | | | | | | | | | | | | | | 2 | | |
| Infiltration Cellular, Mononuclear Cell | | | | | | | | | | | | 2 | | | | | | | | | | | | | |
| Inflammation, Focal | | | | | | | | | | 1 | | | | | | | | | | | 1 | | | | |
| Necrosis | | | 2 | | | | | | | | | | | | | | | | | | | | | | |
| Tension Lipidosis | | | | X | | X | | | | | | | | | | | | | | | | | | X | |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically
 1-4 .. Lesion qualified as:
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Experiment Number: 10987 - 02

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Species/Strain: MICE/B6C3F1/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Dibutyl Phthalate

CAS Number: 84-74-2

Date Report Requested: 06/04/2018

Time Report Requested: 09:07:59

First Dose M/F: 08/17/10 / 08/16/10

Lab: BAT

| B6C3F1/N MICE FEMALE
1000 ppm | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | ANIMAL ID | females
(cont...) |
|----------------------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|-----------------------|-----------|----------------------|
| | 0
7
2
9 | 0
7
1
4 | 0
5
5
0 | 0
7
2
9 | 0
7
3
1 | 0
7
3
1 | 0
7
3
1 | 0
7
3
1 | 0
7
2
9 | 0
7
2
9 | 0
5
2
6 | 0
7
2
9 | 0
5
3
5 | 0
7
2
9 | 0
6
7
9 | 0
7
2
9 | 0
7
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3 | 0
7
3
3 | 0
7
3
3 | 0
7
2
9 | 0
7
2
9 | 0
7
2
9 | 0
7
2
9 | 0
7
2
9 | | |
| | 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
1 | | |

Mesentery
Fat, Necrosis

Pancreas +

Salivary Glands +

Stomach, Forestomach
Ulcer +
2

Stomach, Glandular
Inflammation, Chronic Active
Metaplasia, Squamous
Epithelium, Cyst
Epithelium, Cytoplasmic Alteration
Epithelium, Hyperplasia +
1

Tooth
Necrosis +
2

CARDIOVASCULAR SYSTEM

Blood Vessel
Inflammation, Chronic Active +
2 2

Heart
Cardiomyopathy +
1 1 1 1

ENDOCRINE SYSTEM

Adrenal Cortex +

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
+ .. Tissue examined microscopically M .. Missing tissue
X .. Lesion present A .. Autolysis precludes evaluation
I .. Insufficient tissue BLANK .. Not examined microscopically
1-4 .. Lesion qualified as:
1) Minimal 3) Moderate
2) Mild 4) Marked

Experiment Number: 10987 - 02

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First Dose M/F: 08/17/10 / 08/16/10

Lab: BAT

| B6C3F1/N MICE FEMALE

1000 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 | ANIMAL ID | females
(cont...) |
|--------------------------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|----------------------|
| | | 7 | 7 | 5 | 7 | 7 | 7 | 7 | 7 | 7 | 5 | 7 | 5 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 2 | 7 | 7 | 7 | | |
| | | 2 | 1 | 5 | 2 | 3 | 3 | 3 | 3 | 2 | 2 | 8 | 2 | 3 | 2 | 7 | 2 | 3 | 3 | 3 | 3 | 2 | 2 | 2 | 0 | |
| | | 9 | 4 | 0 | 9 | 1 | 1 | 1 | 1 | 9 | 9 | 6 | 9 | 5 | 9 | 9 | 9 | 0 | 0 | 0 | 0 | 9 | 9 | 9 | 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 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 0 | |
| | | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 0 | |
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 1 | |

Extramedullary Hematopoiesis
Subcapsular, Hyperplasia

1 1 1 1 1 1 1 1 1 1 2 1 1 2 1 1 2 1 2 1 2 2

Adrenal Medulla

+ +

Islets, Pancreatic
Hyperplasia

+ +

Parathyroid Gland

+ +

Pituitary Gland
Angiectasis

+
3

Thyroid Gland
Infiltration Cellular, Mononuclear Cell
Follicle, Cyst

+
X X X

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

Clitoral Gland

+ + + + + + + + + + M + + + + + + + + + + + + +

Ovary
Atrophy
Cyst
Granulosa Cell, Hyperplasia
Interstitial Cell, Hyperplasia

+
3 4 2 4 4 3 4 3 3 4 3 3 4 4 3 3 3
X X X

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

1-4 .. Lesion qualified as:
1) Minimal 3) Moderate
2) Mild 4) Marked

Experiment Number: 10987 - 02

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: MICE/B6C3F1/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Dibutyl Phthalate

CAS Number: 84-74-2

Date Report Requested: 06/04/2018

Time Report Requested: 09:07:59

First Dose M/F: 08/17/10 / 08/16/10

Lab: BAT

| | | 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 | | |
|----------------------|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----------------------|
| DAY ON TEST | | 7 | 7 | 5 | 7 | 7 | 7 | 7 | 7 | 7 | 5 | 7 | 5 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | | |
| B6C3F1/N MICE FEMALE | | 2 | 1 | 5 | 2 | 3 | 3 | 3 | 3 | 2 | 2 | 8 | 2 | 3 | 2 | 7 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 2 | 2 | 2 | | |
| | | 9 | 4 | 0 | 9 | 1 | 1 | 1 | 1 | 1 | 9 | 6 | 9 | 5 | 9 | 9 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 | 9 | 9 | |
| 1000 ppm | | 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 | |
| | | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | |
| | | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | females
(cont...) |

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|
| Uterus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Endometrium, Hyperplasia, Cystic | | | | 2 | 3 | 3 | | | 1 | | | | 2 | | | 2 | 4 | 4 | 1 | 2 | 4 | 3 | | | | |

HEMATOPOIETIC SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|
| Bone Marrow | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Hypercellularity | | | | | | | | | | | | | | | | | | | | | | | | | 4 | |
| Lymph Node | | | | | | | | | | | | + | | | | | | | | | | | | | + | |
| Mediastinal, Infiltration Cellular, Plasma Cell | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Lymph Node, Mandibular | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Atrophy | | | | | | | | | | | | 3 | 2 | | | | | | | | | | | | | |
| Hyperplasia, Lymphoid | 4 | | | | | | | | | | | | | | | | | | | | | | | | 2 | |
| Lymph Node, Mesenteric | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | |
| Angiectasis | | 3 | | | | | | | | | | | | | | | | | | | | | | | | |
| Atrophy | | | | | | | | | | | 4 | 2 | | | | | | | | | | | | | | |
| Extramedullary Hematopoiesis | | 2 | | | | | | 1 | | | | | | | | | | 2 | | | | 2 | | | | |
| Hyperplasia, Lymphocyte | 3 | | | | | | 4 | | | | | | | | | | 2 | | 2 | | | 2 | 4 | | | |
| Infiltration Cellular, Histiocyte | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Infiltration Cellular, Plasma Cell | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Spleen | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Extramedullary Hematopoiesis | 2 | | | | 2 | 1 | 1 | 2 | 2 | | | 2 | 2 | 2 | 4 | | 2 | 2 | | 2 | 1 | | 2 | 2 | 2 | |
| Hyperplasia, Lymphocyte | 2 | | | | 2 | | | | 2 | 2 | | | | | | | 2 | 2 | 1 | 1 | 2 | 4 | | | | |
| Pigment | 1 | | | | 1 | | | | | | | | | | | | | | | | | | | | 1 | |
| Red Pulp, Hyperplasia | | | | | | | | | | | | 2 | | | | | | | | | | | | | | |
| White Pulp, Atrophy | | | | | | | | | | | 3 | | 2 | | 2 | | | | | | | | | | | |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically
 1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

Experiment Number: 10987 - 02

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Date Report Requested: 06/04/2018

Test Type: CHRONIC

Dibutyl Phthalate

Time Report Requested: 09:07:59

Route: DOSED FEED

CAS Number: 84-74-2

First Dose M/F: 08/17/10 / 08/16/10

Species/Strain: MICE/B6C3F1/N

Lab: BAT

| DAY ON TEST | B6C3F1/N MICE FEMALE | | | | | | | | | | | | | | | | | | | | ANIMAL ID | females
(cont...) | |
|-------------|----------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----------|----------------------|------|
| | 0729 | 0729 | 0729 | 0729 | 0729 | 0729 | 0729 | 0729 | 0729 | 0729 | 0729 | 0729 | 0729 | 0729 | 0729 | 0729 | 0729 | 0729 | 0729 | 0729 | | | 0729 |
| 1000 ppm | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0051 | |

Olfactory Epithelium, Metaplasia, Respiratory
Respiratory Epithelium, Accumulation, Hyaline
Droplet

1

Trachea

+ +

SPECIAL SENSES SYSTEM

Eye

+ +

Phthisis Bulbi

X

Cornea, Inflammation, Chronic Active

2

Lens, Cataract

2

Retina, Dysplasia

Harderian Gland

+ +

Hyperplasia

1

URINARY SYSTEM

Kidney

+ +

Infarct

2

Metaplasia, Osseous

X

Nephropathy, Chronic Progressive

1 1 1 1 1 1 1 1 1 1 2

Interstitial, Infiltration Cellular, Lymphocyte

2

Pelvis, Dilation

4

Renal Tubule, Accumulation, Hyaline Droplet

3

Urinary Bladder

+ +

Infiltration Cellular, Mononuclear Cell

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

M .. Missing tissue

1-4 .. Lesion qualified as:

X .. Lesion present

A .. Autolysis precludes evaluation

1) Minimal 3) Moderate

I .. Insufficient tissue

BLANK .. Not examined microscopically

2) Mild 4) Marked

Experiment Number: 10987 - 02

Test Type: CHRONIC

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Species/Strain: MICE/B6C3F1/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Dibutyl Phthalate

CAS Number: 84-74-2

Date Report Requested: 06/04/2018

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First Dose M/F: 08/17/10 / 08/16/10

Lab: BAT

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|-------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--|-----------------|
| B6C3F1/N MICE FEMALE
1000 ppm | DAY ON TEST | 0
7 | 0
7 | 0
7 | 0
7 | 0
7 | 0
7 | 0
7 | 0
7 | 0
7 | 0
7 | 0
7 | 0
7 | 0
7 | 0
7 | 0
7 | 0
7 | 0
7 | 0
7 | 0
7 | 0
7 | 0
7 | 0
7 | 0
7 | 0
7 | 0
7 | 0
7 | 0
7 | 0
7 | 0
7 | | |
| | 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 | 0
0 | 0
0 | 0
0 | | |
| | | 3
1 | 3
1 | 3
1 | 2
9 | 2
9 | 2
9 | 2
9 | 3
0 | 3
0 | 3
0 | 3
0 | 3
1 | 3
1 | 3
1 | 3
0 | 3
8 | 3
0 | 3
0 | 3
0 | 3
3 | 3
7 | 3
0 | 3
8 | 3
1 | 3
0 | 3
8 | 3
3 | 3
0 | 3
0 | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | * TOTALS |

ALIMENTARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|-----|---|
| Esophagus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | | |
| Gallbladder | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | | |
| Intestine Large, Cecum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | | |
| Intestine Large, Colon | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | | |
| Intestine Large, Rectum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | | |
| Intestine Small, Duodenum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | | |
| Intestine Small, Ileum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | | |
| Intestine Small, Jejunum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | | |
| Inflammation, Chronic Active | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 2.0 | |
| Epithelium, Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 3 | 2.0 | |
| Peyer's Patch, Hyperplasia, Lymphocyte | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | 2.0 | |
| Liver | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | | |
| Basophilic Focus | | | | | | | | | | | X | | | | | | | | | | | | | X | | | | | | 3 | | |
| Clear Cell Focus | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| Eosinophilic Focus | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | | |
| Extramedullary Hematopoiesis | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 2.0 | |
| Infiltration Cellular, Mononuclear Cell | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | 2.0 | |
| Inflammation, Focal | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | 1.0 | |
| Necrosis | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | 1.7 | |
| Tension Lipidosis | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | X | 5 |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically
 1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

Experiment Number: 10987 - 02
 Test Type: CHRONIC
 Route: DOSED FEED
 Species/Strain: MICE/B6C3F1/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Dibutyl Phthalate
 CAS Number: 84-74-2

Date Report Requested: 06/04/2018
 Time Report Requested: 09:07:59
 First Dose M/F: 08/17/10 / 08/16/10
 Lab: BAT

| B6C3F1/N MICE FEMALE
1000 ppm | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | * TOTALS |
|----------------------------------|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------|
| | 0731 | 0731 | 0731 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | |
| ANIMAL ID | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 |
| | 0731 | 0731 | 0731 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 | 0732 |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|---|-----|
| Mesentery Fat, Necrosis | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | 1 | 3.0 |
| Pancreas | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 | | |
| Salivary Glands | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | | |
| Stomach, Forestomach Ulcer | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | 1 | 2.0 |
| Stomach, Glandular Inflammation, Chronic Active | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | 1 | 2.0 |
| Stomach, Glandular Metaplasia, Squamous Epithelium, Cyst | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Stomach, Glandular Epithelium, Cytoplasmic Alteration | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 |
| Stomach, Glandular Epithelium, Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Tooth Necrosis | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | 2.0 |

CARDIOVASCULAR SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|---|-----|
| Blood Vessel Inflammation, Chronic Active | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | 2 | 2.0 |
| Heart Cardiomyopathy | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | 7 | 1.0 |

ENDOCRINE SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|--|--|
| Adrenal Cortex | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | | |
|----------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|--|--|

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically
 1-4 .. Lesion qualified as:
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P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Dibutyl Phthalate

CAS Number: 84-74-2

Date Report Requested: 06/04/2018

Time Report Requested: 09:07:59

First Dose M/F: 08/17/10 / 08/16/10

Lab: BAT

| B6C3F1/N MICE FEMALE
1000 ppm | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | * TOTALS | | |
|---|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------|------|--|
| | 0731 | 0731 | 0731 | 0731 | 0731 | 0731 | 0731 | 0731 | 0731 | 0731 | 0731 | 0731 | 0731 | 0731 | 0731 | 0731 | 0731 | 0731 | 0731 | 0731 | 0731 | 0731 | 0731 | 0731 | | 0731 | |
| ANIMAL ID | 00276 | 00277 | 00278 | 00279 | 00280 | 00281 | 00282 | 00283 | 00284 | 00285 | 00286 | 00287 | 00288 | 00289 | 00290 | 00291 | 00292 | 00293 | 00294 | 00295 | 00296 | 00297 | 00298 | 00299 | 00300 | | |
| Uterus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | | |
| Endometrium, Hyperplasia, Cystic | 2 | 1 | 2 | 4 | 2 | 3 | | 2 | | 3 | 3 | 2 | | | 2 | 2 | | 1 | | 4 | | | 1 | 3 | 29 2.4 | | |
| HEMATOPOIETIC SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bone Marrow | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | | |
| Hypercellularity | | | | | | 1 | | | | | | | | | | | | | | | | | 2 | | 3 2.3 | | |
| Lymph Node | | | | | | | | | | | | | | | | | | | | | | | + | + | 4 | | |
| Mediastinal, Infiltration Cellular, Plasma Cell | | | | | | | | | | | | | | | | | | | | | | | 3 | | 1 3.0 | | |
| Lymph Node, Mandibular | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | | |
| Atrophy | | | | | | | | | | | | | | | | | | | | | | | | | 3 2.7 | | |
| Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | | | | | | | | | 2 3.0 | | |
| Lymph Node, Mesenteric | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 | | |
| Angiectasis | | | | | | | | | | | | | | | | | | | | | | | | | 1 3.0 | | |
| Atrophy | | | | | | | | | | 2 | | | | | | | | | | | | | | | 3 2.7 | | |
| Extramedullary Hematopoiesis | | | | | | | | | | | | | | | | | | | | | | | | | 3 1.7 | | |
| Hyperplasia, Lymphocyte | | | | | | | | | | | | | | 3 | | | | | | 1 | 2 | | | | 9 2.6 | | |
| Infiltration Cellular, Histiocyte | | | | | | | | | | 2 | | | | | | | | | | | | | | | 1 2.0 | | |
| Infiltration Cellular, Plasma Cell | | | | | | 2 | | | | | | 3 | | | 2 | | | | | | | | | 4 | 4 2.8 | | |
| Spleen | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | | |
| Extramedullary Hematopoiesis | 1 | 2 | 2 | | 1 | 3 | 2 | 1 | | 1 | 2 | | 1 | 2 | | | 3 | | 1 | 1 | 2 | 3 | | 2 | 35 1.9 | | |
| Hyperplasia, Lymphocyte | | | 1 | | 4 | 3 | 2 | | 1 | 2 | | 1 | 1 | 2 | 4 | | | | 4 | 2 | 2 | | | 4 | 24 2.2 | | |
| Pigment | | | | | | | 1 | | | | 2 | | 1 | | | | | | 1 | | | | | | 7 1.1 | | |
| Red Pulp, Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | | | 1 2.0 | | |
| White Pulp, Atrophy | | | | | | | | | | | | | | | | | 3 | | | | | | 3 | | 5 2.6 | | |

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

1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

| B6C3F1/N MICE FEMALE | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | * TOTALS | |
|----------------------|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------|------|
| | 0731 | 0733 | 0739 | 0739 | 0779 | 0779 | 0779 | 0779 | 0779 | 0779 | 0779 | 0779 | 0779 | 0779 | 0779 | 0779 | 0779 | 0779 | 0779 | 0779 | 0779 | 0779 | 0779 | | 0779 |
| 1000 ppm | 00276 | 00277 | 00278 | 00279 | 00280 | 00281 | 00282 | 00283 | 00284 | 00285 | 00286 | 00287 | 00288 | 00289 | 00290 | 00291 | 00292 | 00293 | 00294 | 00295 | 00296 | 00297 | 00298 | 00299 | 48 |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|---|-----|-----|
| Thymus Atrophy | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 | 6 | 3.2 | |
| Cyst | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | |
| Hyperplasia, Lymphoid | | | 2 | | | | | | 2 | | | | | | | | | | | | | | | | | | | | 5 | 1.8 |

INTEGUMENTARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|--|--|
| Mammary Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 | | |
| Skin | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | | |

MUSCULOSKELETAL SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|----|-----|
| Bone | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | | |
| Fibro-Osseous Lesion | | | 1 | | 1 | 2 | | | | | | | | | 1 | | | | | | 2 | | | | | | | | 11 | 1.3 |
| Fibrosis | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 4.0 |

NERVOUS SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|---|-----|
| Brain Hemorrhage | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | 1 | 1.0 |
|------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|---|-----|

RESPIRATORY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|---|-----|
| Lung Inflammation, Chronic Active | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | 1 | 1.0 |
| Alveolar Epithelium, Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 3 | 1.7 |
| Nose Eosinophilic Material | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | 1 | 1.0 |
| Inflammation, Suppurative | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1.0 |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
+ .. Tissue examined microscopically M .. Missing tissue 1-4 .. Lesion qualified as:
X .. Lesion present A .. Autolysis precludes evaluation 1) Minimal 3) Moderate
I .. Insufficient tissue BLANK .. Not examined microscopically 2) Mild 4) Marked

Experiment Number: 10987 - 02
 Test Type: CHRONIC
 Route: DOSED FEED
 Species/Strain: MICE/B6C3F1/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Dibutyl Phthalate
 CAS Number: 84-74-2

Date Report Requested: 06/04/2018
 Time Report Requested: 09:07:59
 First Dose M/F: 08/17/10 / 08/16/10
 Lab: BAT

| | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----------------|---------------|------|
| | 0731 | 0731 | 0732 | 0732 | 0739 | 0739 | 0739 | 0739 | 0739 | 0739 | 0739 | 0739 | 0739 | 0739 | 0739 | 0739 | 0739 | 0757 | 0757 | 0757 | | 0757 | 0757 | 0767 | 0767 | 0767 |
| B6C3F1/N MICE FEMALE | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 0 | 3 | 3 | 3 | 3 | 7 | 3 | 8 | 3 | |
| 1000 ppm | 0076 | 0077 | 0078 | 0079 | 0080 | 0081 | 0082 | 0083 | 0084 | 0085 | 0086 | 0087 | 0088 | 0089 | 0090 | 0091 | 0092 | 0093 | 0094 | 0095 | 0096 | 0097 | 0098 | 0099 | 0099 | |
| ANIMAL ID | 0076 | 0077 | 0078 | 0079 | 0080 | 0081 | 0082 | 0083 | 0084 | 0085 | 0086 | 0087 | 0088 | 0089 | 0090 | 0091 | 0092 | 0093 | 0094 | 0095 | 0096 | 0097 | 0098 | 0099 | 0099 | |
| | | | | | | | | | | | | | | | | | | | | | | | | * TOTALS | | |
| Olfactory Epithelium, Metaplasia, Respiratory
Respiratory Epithelium, Accumulation, Hyaline Droplet | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 1.0 | |
| Trachea | | | | | | | | | | | | | | | | | | | | | | | | 50 | | |
| SPECIAL SENSES SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Eye | | | | | | | | | | | | | | | | | | | | | | | | 50 | | |
| Phthisis Bulbi | | | | | | | | | | | | | | | | | | | | | | | | | 2 | |
| Cornea, Inflammation, Chronic Active | | | | | | | | | | | | | | | | | | | | | | | | | 1 2.0 | |
| Lens, Cataract | | | | | | | | | | | | | | | | | | | | | | | | 3 | 2 2.5 | |
| Retina, Dysplasia | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 1.0 | |
| Harderian Gland
Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | | 50 | 1 1.0 | |
| URINARY SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Kidney | | | | | | | | | | | | | | | | | | | | | | | | 50 | | |
| Infarct | | | | | | | | | | | | | | | | | | | | | | | | | 1 2.0 | |
| Metaplasia, Osseous | | | | | | | | | | | | | | | | | | | | | | | | | 1 | |
| Nephropathy, Chronic Progressive | | | | | | | | | | | | | | | | | | | | | | | | 1 | 27 1.0 | |
| Interstitial, Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | | | | | | | | | | | | | 1 2.0 | |
| Pelvis, Dilation | | | | | | | | | | | | | | | | | | | | | | | | | 1 4.0 | |
| Renal Tubule, Accumulation, Hyaline Droplet | | | | | | | | | | | | | | | | | | | | | | | | 2 | 3 2.3 | |
| Urinary Bladder
Infiltration Cellular, Mononuclear Cell | | | | | | | | | | | | | | | | | | | | | | | | 50 | 1 1.0 | |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically
 1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

Experiment Number: 10987 - 02

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Date Report Requested: 06/04/2018

Test Type: CHRONIC

Dibutyl Phthalate

Time Report Requested: 09:07:59

Route: DOSED FEED

CAS Number: 84-74-2

First Dose M/F: 08/17/10 / 08/16/10

Species/Strain: MICE/B6C3F1/N

Lab: BAT

| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------|-----------------|-----------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|--------------------------|
| B6C3F1/N MICE FEMALE | DAY ON TEST | 0729 | 0729 | 0729 | 0678 | 0773 | 0773 | 0773 | 0773 | 0773 | 0773 | 0773 | 0773 | 0773 | 0773 | 0773 | 0773 | 0773 | 0773 | 0773 | 0773 | 0773 | 0773 | 0773 | 0773 | 0773 | females (cont...) |
| | 3000 ppm | ANIMAL ID | 0030 | 0033 | 0033 | 0033 | 0033 | 0033 | 0033 | 0033 | 0033 | 0033 | 0033 | 0033 | 0033 | 0033 | 0033 | 0033 | 0033 | 0033 | 0033 | 0033 | 0033 | 0033 | 0033 | 0033 | |

ALIMENTARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Esophagus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Gallbladder | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Large, Cecum
Hemorrhage
Necrosis | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Large, Colon | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Large, Rectum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Small, Duodenum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Small, Ileum
Inflammation, Suppurative
Epithelium, Hyperplasia | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Small, Jejunum
Hyperplasia, Lymphoid
Inflammation, Suppurative
Inflammation, Chronic
Inflammation, Chronic Active
Peyer's Patch, Hyperplasia, Lymphocyte | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Liver
Angiectasis
Basophilic Focus
Infiltration Cellular, Mononuclear Cell | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
+ .. Tissue examined microscopically
X .. Lesion present
I .. Insufficient tissue
M .. Missing tissue
A .. Autolysis precludes evaluation
BLANK .. Not examined microscopically
1-4 .. Lesion qualified as:
1) Minimal 3) Moderate
2) Mild 4) Marked

Experiment Number: 10987 - 02

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: MICE/B6C3F1/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Dibutyl Phthalate

CAS Number: 84-74-2

Date Report Requested: 06/04/2018

Time Report Requested: 09:07:59

First Dose M/F: 08/17/10 / 08/16/10

Lab: BAT

| B6C3F1/N MICE FEMALE | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | | ANIMAL ID | females
(cont...) |
|----------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|----------------------|
| | 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 | | |
| 3000 ppm | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | |
| | 2 | 2 | 2 | 8 | 3 | 3 | 3 | 3 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 2 | 2 | 2 | |
| | 9 | 9 | 9 | 6 | 0 | 0 | 0 | 0 | 9 | 9 | 9 | 9 | 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 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | |
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | | |

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Inflammation, Focal
Mixed Cell Focus
Necrosis | 1 | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| | | 2 | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Mesentery
Fat, Necrosis | | | | | | | | | | | | | + | | | | | | | | | | | | | + |
| | | | | | | | | | | | | | 3 | | | | | | | | | | | | | 4 |
| Pancreas
Duct, Cyst | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| | | | | | | | | | | | | | X | | | | | | | | | | | | | X |
| Salivary Glands | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Stomach, Forestomach
Epithelium, Hyperplasia | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Stomach, Glandular
Cyst | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |

CARDIOVASCULAR SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Blood Vessel
Inflammation, Chronic Active | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Heart
Cardiomyopathy
Thrombus
Endocardium, Hyperplasia | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| | | | | 1 | 1 | | 1 | | | 1 | 1 | 1 | | | | | | | | | | | | | | 1 |

ENDOCRINE SYSTEM

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

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 X .. Lesion present
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 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically
 1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

Experiment Number: 10987 - 02
 Test Type: CHRONIC
 Route: DOSED FEED
 Species/Strain: MICE/B6C3F1/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Dibutyl Phthalate
 CAS Number: 84-74-2

Date Report Requested: 06/04/2018
 Time Report Requested: 09:07:59
 First Dose M/F: 08/17/10 / 08/16/10
 Lab: BAT

| B6C3F1/N MICE FEMALE
3000 ppm | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | ANIMAL ID | females
(cont...) | |
|--|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|---|--|-------------------------------------|
| | 0729 | 0729 | 0729 | 0686 | 0773 | 0773 | 0773 | 0773 | 0773 | 0773 | 0773 | 0773 | 0773 | 0773 | 0773 | 0773 | 0773 | 0773 | 0773 | 0773 | 0773 | 0773 | 0773 | 0773 | | | |
| Subcapsular, Hyperplasia | 2 | 1 | 2 | 1 | 1 | 1 | 2 | 2 | 1 | 2 | 1 | 2 | 1 | 1 | 2 | 1 | 2 | 2 | 1 | 1 | 1 | 2 | 1 | 2 | 1 | 000300
3333
0000
12345678901123456789011234 | 2121112212121221112121 |
| Adrenal Medulla
Hyperplasia | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 000300
3333
0000
123456789011234 | + | |
| Islets, Pancreatic | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 000300
3333
0000
123456789011234 | + | |
| Parathyroid Gland | + | + | + | M | + | M | + | + | + | + | + | + | + | M | + | + | + | + | + | M | M | + | + | M | + | 000300
3333
0000
123456789011234 | + + + M + M + + + + + + M + + + M + |
| Pituitary Gland
Angiectasis
Pars Distalis, Hyperplasia
Pars Intermedia, Hyperplasia | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 000300
3333
0000
123456789011234 | +
2
1 4
2 | |
| Thyroid Gland
Follicle, Cyst | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 000300
3333
0000
123456789011234 | +
X X | |

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--------------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Clitoral Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | |
| Ovary
Atrophy
Cyst
Thrombus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 000300
3333
0000
123456789011234 | +
1 4 1 2 3 2
X X X X |
| Oviduct | | | | | | | | | | | | | | | | | | | | | | | | | 000300
3333
0000
123456789011234 | +
+ |

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

1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

Experiment Number: 10987 - 02
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 Route: DOSED FEED
 Species/Strain: MICE/B6C3F1/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Dibutyl Phthalate
 CAS Number: 84-74-2

Date Report Requested: 06/04/2018
 Time Report Requested: 09:07:59
 First Dose M/F: 08/17/10 / 08/16/10
 Lab: BAT

| B6C3F1/N MICE FEMALE
3000 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 | ANIMAL ID | | | | |
|------------------------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|---|---|---|---|
| | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | | | | 4 | 5 |
| Mineral | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| Uterus | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | |
| Angiectasis | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Fibrosis | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | |
| Inflammation, Suppurative | | | | | | | | | | | | | | | | | | | | 2 | | | | | | | | | |
| Metaplasia, Squamous | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Endometrium, Hyperplasia, Cystic | | | | | | 4 | | 2 | 2 | 4 | | | 3 | 1 | 4 | 2 | 2 | 4 | 2 | 2 | 2 | 4 | 2 | 1 | 2 | 1 | 4 | 4 | |
| HEMATOPOIETIC SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bone Marrow | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Hypercellularity | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | |
| Hypocellularity | | | | | | | | | | | | | | | | | | | | | 2 | | | | | | | | |
| Lymph Node | | | | | | | + | | | | | | | | | | | | | | | | | | | | | | |
| Lymph Node, Mandibular | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Atrophy | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hyperplasia, Lymphoid | | | | | | 2 | 2 | | | 2 | | | | | | | | | | | | | | | | | | | |
| Infiltration Cellular, Histiocyte | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Lymph Node, Mesenteric | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | M | + | + | + | + | + | + | + | | |
| Atrophy | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hyperplasia, Lymphocyte | | | | | | 2 | | 2 | | | 2 | | | | 2 | | | 2 | | | | | | | | | | | 3 |
| Infiltration Cellular, Histiocyte | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Infiltration Cellular, Plasma Cell | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 |
| Spleen | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Extramedullary Hematopoiesis | | 1 | 2 | 4 | | | 1 | 1 | 1 | | | 1 | | | | | 1 | | | | | | | | 2 | 1 | 1 | 2 | |
| Hyperplasia, Lymphocyte | | | | | | | 2 | 2 | | | 2 | | | 2 | | | 3 | 4 | 3 | 4 | | | | 4 | 3 | 3 | 3 | 2 | 3 |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Experiment Number: 10987 - 02
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: MICE/B6C3F1/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
Dibutyl Phthalate
CAS Number: 84-74-2

Date Report Requested: 06/04/2018
Time Report Requested: 09:07:59
First Dose M/F: 08/17/10 / 08/16/10
Lab: BAT

| DAY ON TEST | B6C3F1/N MICE FEMALE | | | | | | | | | | | | | | | | | | | | | | | | | ANIMAL ID | females
(cont...) |
|-----------------------------------|----------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----------|----------------------|
| | 079 | 079 | 079 | 068 | 073 | 073 | 073 | 073 | 073 | 073 | 073 | 073 | 073 | 073 | 073 | 073 | 073 | 073 | 073 | 073 | 073 | 073 | 073 | 073 | 073 | | |
| 3000 ppm | 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 | | |
| | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 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 | | |
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | | |
| Pigment | | | | | 1 | 1 | | | | | 1 | 1 | | | | | | | | | | | 1 | | | | |
| Red Pulp, Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| White Pulp, Atrophy | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Thymus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | | |
| Atrophy | | | | 4 | | | | | | | | | | | | | | | | | | | | | | | |
| Cyst | | | | | | | | | | | | | | | | | | X | | | | | X | | | | |
| Hyperplasia, Lymphocyte | | | | | | | | | | | | | | | | | | 4 | | | | | | | | | |
| Hyperplasia, Lymphoid | | | | | | | 2 | | | | | | | | | | | | | | 1 | | | | | | |
| INTEGUMENTARY SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mammary Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Skin | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| MUSCULOSKELETAL SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bone | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Fibro-Osseous Lesion | 2 | | | | | | 2 | | | 1 | | | | | | | 2 | | | | | | | | 1 | | |
| NERVOUS SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Brain | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Gliosis | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| RESPIRATORY SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Lung | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | |
| Infiltration Cellular, Histiocyte | | | | | | | | | | | | | | | | | | | | | | | | | | | |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
+ .. Tissue examined microscopically
X .. Lesion present
I .. Insufficient tissue

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

1-4 .. Lesion qualified as:
1) Minimal 3) Moderate
2) Mild 4) Marked

Experiment Number: 10987 - 02

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: MICE/B6C3F1/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Dibutyl Phthalate

CAS Number: 84-74-2

Date Report Requested: 06/04/2018

Time Report Requested: 09:07:59

First Dose M/F: 08/17/10 / 08/16/10

Lab: BAT

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------------------------|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----------|----------------------|
| B6C3F1/N MICE FEMALE
3000 ppm | DAY ON TEST | 0729 | 0729 | 0729 | 0670 | 0770 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | ANIMAL ID | females
(cont...) |
| | ANIMAL ID | 0001 | 0002 | 0003 | 0004 | 0005 | 0006 | 0007 | 0008 | 0009 | 0010 | 0011 | 0012 | 0013 | 0014 | 0015 | 0016 | 0017 | 0018 | 0019 | 0020 | 0021 | 0022 | 0023 | 0024 | 0025 | 0026 | 0027 | 0028 | | |

Infiltration Cellular, Lymphocyte 2
 Infiltration Cellular, Mononuclear Cell 2
 Inflammation, Chronic Active 2
 Alveolar Epithelium, Hyperplasia 1 1 1 1
 Perivascular, Infiltration Cellular, Mononuclear Cell

Nose +
 Eosinophilic Material
 Inflammation, Suppurative
 Olfactory Epithelium, Metaplasia, Respiratory 1
 Respiratory Epithelium, Accumulation, Hyaline Droplet
 Respiratory Epithelium, Hyperplasia 1 1

Trachea +

SPECIAL SENSES SYSTEM

Eye +
 Harderian Gland +
 Fibrosis
 Hyperplasia

URINARY SYSTEM

Kidney +
 Infarct
 Metaplasia, Osseous X X
 Nephropathy, Chronic Progressive 1

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically
 1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
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Experiment Number: 10987 - 02
 Test Type: CHRONIC
 Route: DOSED FEED
 Species/Strain: MICE/B6C3F1/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Dibutyl Phthalate
 CAS Number: 84-74-2

Date Report Requested: 06/04/2018
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 Lab: BAT

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| B6C3F1/N MICE FEMALE | 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 | 0 | 0 | 0 | 0 | 0 | |
| | | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| | | 2 | 2 | 2 | 8 | 3 | 3 | 3 | 3 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 3 | |
| | | 9 | 9 | 9 | 6 | 0 | 0 | 0 | 0 | 9 | 9 | 9 | 9 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 3000 ppm | 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 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | | | | | | | | | | | | |

females
(cont...)

Thrombus
 Glomerulus, Inflammation, Chronic Active
 Renal Tubule, Accumulation, Hyaline Droplet

1

Urinary Bladder
 Infiltration Cellular, Lymphocyte

+ +

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

1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

Experiment Number: 10987 - 02

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: MICE/B6C3F1/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Dibutyl Phthalate

CAS Number: 84-74-2

Date Report Requested: 06/04/2018

Time Report Requested: 09:07:59

First Dose M/F: 08/17/10 / 08/16/10

Lab: BAT

| B6C3F1/N MICE FEMALE | DAY ON TEST | | | | | | | | | | | | | | | | | | | | * TOTALS | | | | |
|----------------------|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------|------|------|------|------|
| | 0730 | 0730 | 0730 | 0722 | 0722 | 0722 | 0728 | 0733 | 0733 | 0733 | 0738 | 0744 | 0744 | 0747 | 0747 | 0747 | 0747 | 0747 | 0747 | 0747 | | 0747 | | | |
| 3000 ppm | 0026 | 0007 | 0008 | 0009 | 0009 | 0001 | 0002 | 0003 | 0004 | 0005 | 0006 | 0007 | 0008 | 0009 | 0000 | 0001 | 0002 | 0003 | 0004 | 0005 | 0006 | 0007 | 0008 | 0009 | 0000 |
| | 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 |

ALIMENTARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|-----|-----|-----|
| Esophagus | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 | | | |
| Gallbladder | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 | | | |
| Intestine Large, Cecum
Hemorrhage
Necrosis | + | + | + | + | + | + | A | + | M | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | 47 | | | |
| | | | | | | | | | | | | | | 4 | | | | | | | | | | | | | 1 | 4.0 | | |
| | | | | | | | | | | | | | | 4 | | | | | | | | | | | | | 1 | 4.0 | | |
| Intestine Large, Colon | + | + | + | + | + | + | A | + | M | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | 47 | | | |
| Intestine Large, Rectum | + | + | + | + | + | + | A | + | M | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | 47 | | | |
| Intestine Small, Duodenum | + | + | + | + | + | + | A | + | M | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | 47 | | | |
| Intestine Small, Ileum
Inflammation, Suppurative
Epithelium, Hyperplasia | + | + | + | + | + | + | A | + | M | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | 47 | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 4.0 | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1.0 | |
| Intestine Small, Jejunum
Hyperplasia, Lymphoid
Inflammation, Suppurative
Inflammation, Chronic
Inflammation, Chronic Active
Peyer's Patch, Hyperplasia, Lymphocyte | + | + | + | + | + | + | A | + | M | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | 47 | | | |
| | | | | | | 2 | | | | | | | | | | | | | | | | | | | | | | 1 | 2.0 | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 4.0 | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1.0 | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 2.0 | |
| | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 4.0 | |
| Liver
Angiectasis
Basophilic Focus
Infiltration Cellular, Mononuclear Cell | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1.0 |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 3 | |
| | | | | | | | X | X | | | | | | | | | | | | | | | | | | | | | 1 | 1.0 |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

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Experiment Number: 10987 - 02

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: MICE/B6C3F1/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Dibutyl Phthalate

CAS Number: 84-74-2

Date Report Requested: 06/04/2018

Time Report Requested: 09:07:59

First Dose M/F: 08/17/10 / 08/16/10

Lab: BAT

| DAY ON TEST | B6C3F1/N MICE FEMALE | | | | | | | | | | | | | | | | | | | | ANIMAL ID | * TOTALS | |
|-------------|----------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----------|----------|------|
| | 0730 | 0733 | 0737 | 0742 | 0747 | 0752 | 0757 | 0762 | 0767 | 0772 | 0777 | 0782 | 0787 | 0792 | 0797 | 0802 | 0807 | 0812 | 0817 | 0822 | | | 0827 |
| 3000 ppm | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0002 | 49 |

Inflammation, Focal Mixed Cell Focus Necrosis X 2 1.0
1
2 1.5

Mesentery Fat, Necrosis 2 2 3.5

Pancreas Duct, Cyst + + + + + M + M + + + + + + + + + + + + + + + + 48 2

Salivary Glands + + + + + + + M + + + + + + + + + + + + + + + + 49

Stomach, Forestomach Epithelium, Hyperplasia + + + + + + + M + + + + + + + + + + + + + + + + 49 1 2.0

Stomach, Glandular Cyst + + + + + + + M + + + + + + + + + + + + + + + + 49 1

CARDIOVASCULAR SYSTEM

Blood Vessel Inflammation, Chronic Active + + + + + + + M + + + + + + + + + + + + + + + + 49 1 2.0

Heart Cardiomyopathy Thrombus Endocardium, Hyperplasia + + + + + + + M + + + + + + + + + + + + + + + + 49 11 1.1
2 1 2.0
1 1.0

ENDOCRINE SYSTEM

Adrenal Cortex + + + + + + + M + + + + + + + + + + + + + + + + 49

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
+ .. Tissue examined microscopically M .. Missing tissue
X .. Lesion present A .. Autolysis precludes evaluation
I .. Insufficient tissue BLANK .. Not examined microscopically
1-4 .. Lesion qualified as:
1) Minimal 3) Moderate
2) Mild 4) Marked

Experiment Number: 10987 - 02
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 Lab: BAT

| B6C3F1/N MICE FEMALE
3000 ppm | DAY ON TEST | | | | | | | | | | | | | | | | | | | | * TOTALS | | | | | | | |
|----------------------------------|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------|-------|-------|-------|-------|-----------|------------|------------|
| | 0730 | 0730 | 0730 | 0722 | 0722 | 0722 | 0728 | 0733 | 0733 | 0733 | 0738 | 0738 | 0738 | 0744 | 0747 | 0747 | 0747 | 0747 | 0747 | 0747 | | | 0747 | | | | | |
| ANIMAL ID | 00326 | 00327 | 00328 | 00329 | 00330 | 00331 | 00332 | 00333 | 00334 | 00335 | 00336 | 00337 | 00338 | 00339 | 00340 | 00341 | 00342 | 00343 | 00344 | 00345 | 00346 | 00347 | 00348 | 00349 | 00350 | | | |
| Subcapsular, Hyperplasia | 1 | | | 2 | 2 | 2 | 1 | | 2 | 1 | 1 | | | 1 | 1 | 1 | 1 | 1 | | | 1 | 1 | 1 | | | 41 | 1.4 | |
| Adrenal Medulla
Hyperplasia | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 | 1 | 2.0 |
| Islets, Pancreatic | + | + | + | + | + | + | M | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 | | |
| Parathyroid Gland | + | + | + | M | M | + | M | M | M | M | + | + | M | + | + | M | + | + | + | + | + | + | + | + | + | 36 | | |
| Pituitary Gland
Angiectasis | + | + | + | + | + | + | M | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 | 1 | 2.0 |
| Pars Distalis, Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | 2.5 |
| Pars Intermedia, Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | 2 | 1.5 |
| Thyroid Gland
Follicle, Cyst | + | + | + | + | + | + | M | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 | | 3 |

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|-----------|------------|
| Clitoral Gland | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 | | |
| Ovary
Atrophy | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | 48 | | |
| Cyst | 4 | | | 3 | | | | 3 | | 2 | | | 4 | 4 | 4 | 2 | | 4 | | | 2 | 3 | 3 | 2 | 3 | | 20 | 2.8 |
| Thrombus | | | X | | | | X | | | | | | | | | | | | | | | | | | | | 7 | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 2.0 |
| Oviduct | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | |

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

1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

Experiment Number: 10987 - 02

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: MICE/B6C3F1/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Dibutyl Phthalate

CAS Number: 84-74-2

Date Report Requested: 06/04/2018

Time Report Requested: 09:07:59

First Dose M/F: 08/17/10 / 08/16/10

Lab: BAT

| | | 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 | 5 | 7 | 5 | 7 | 7 | 7 | 5 | 4 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | | | | | | |
| | | 3 | 3 | 3 | 2 | 2 | 2 | 8 | 3 | 8 | 3 | 3 | 3 | 8 | 4 | 3 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | | | | | | |
| | | 0 | 0 | 0 | 9 | 9 | 9 | 9 | 0 | 9 | 0 | 0 | 1 | 5 | 8 | 1 | 9 | 9 | 4 | 9 | 0 | 0 | 0 | 1 | | | | | | |
| B6C3F1/N MICE FEMALE | 3000 ppm | 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 | | | | | | |
| | | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | | | | | | |
| | | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | | | | | | |
| | | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | * TOTALS | | | | |
| Mineral | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1.0 | | | |
| Uterus | | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 | | | |
| Angiectasis | | | | | | | | | | | | | | 3 | | 1 | 3.0 | | | | | | | | | | | | | |
| Fibrosis | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1.0 | | | |
| Inflammation, Suppurative | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 2.0 | | | |
| Metaplasia, Squamous | | | | | | | | | | | | | | | | | | | | | | | | 2 | | 1 | 2.0 | | | |
| Endometrium, Hyperplasia, Cystic | | 2 | 2 | 2 | | 2 | 1 | | 2 | | | 2 | 4 | | 1 | 2 | 2 | 2 | | 1 | 1 | | 1 | 4 | 3 | 3 | 38 | 2.3 | | |
| HEMATOPOIETIC SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bone Marrow | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | | | |
| Hypercellularity | | | | | | | | | | | | | | | | | | | | | 2 | | 2 | 1.5 | | | | | | |
| Hypocellularity | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 2.0 | | | |
| Lymph Node | | | | | | | | | | | | | | + | | | | | | | | | | | | | | | | 3 |
| Lymph Node, Mandibular | | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 | | | |
| Atrophy | | | | | | | | | | | | | | 2 | | 3 | | 2 | 2.5 | | | | | | | | | | | |
| Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | | | | | | | | | | 3 | 2.0 | | | |
| Infiltration Cellular, Histiocyte | | | | | | | | | | | | | | 2 | | 1 | 2.0 | | | | | | | | | | | | | |
| Lymph Node, Mesenteric | | + | + | M | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 47 | | | |
| Atrophy | | | | | | | | | | | | | | 2 | | 3 | | 2 | 2.5 | | | | | | | | | | | |
| Hyperplasia, Lymphocyte | | | | | 1 | | | 2 | | | 3 | | | 4 | | 3 | | | | | | 2 | | | | 12 | 2.3 | | | |
| Infiltration Cellular, Histiocyte | | | | | | | | | | | | | | 2 | | 1 | 2.0 | | | | | | | | | | | | | |
| Infiltration Cellular, Plasma Cell | | | | | | | | | | | | | | 4 | | 3 | | 3 | 3.0 | | | | | | | | | | | |
| Spleen | | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 | | | |
| Extramedullary Hematopoiesis | | 1 | 1 | 1 | | 1 | | | | | | 2 | | | | 1 | | 2 | | | 2 | | 1 | 1 | 2 | 4 | 2 | 25 | 1.6 | |
| Hyperplasia, Lymphocyte | | | | | | 4 | | 2 | | | 2 | | | | | | | | | | 4 | 2 | 2 | 2 | | 3 | 22 | 2.8 | | |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically M .. Missing tissue 1-4 .. Lesion qualified as:
 X .. Lesion present A .. Autolysis precludes evaluation 1) Minimal 3) Moderate
 I .. Insufficient tissue BLANK .. Not examined microscopically 2) Mild 4) Marked

Experiment Number: 10987 - 02
 Test Type: CHRONIC
 Route: DOSED FEED
 Species/Strain: MICE/B6C3F1/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Dibutyl Phthalate
 CAS Number: 84-74-2

Date Report Requested: 06/04/2018
 Time Report Requested: 09:07:59
 First Dose M/F: 08/17/10 / 08/16/10
 Lab: BAT

| B6C3F1/N MICE FEMALE
3000 ppm | DAY ON TEST | | | | | | | | | | | | | | | | | | | | * TOTALS | | |
|-----------------------------------|-------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----|
| | 07
30 | 07
30 | 07
30 | 07
29 | 07
29 | 07
29 | 07
29 | 07
29 | 07
29 | 07
29 | 07
29 | 07
29 | 07
29 | 07
29 | 07
29 | 07
29 | 07
29 | 07
29 | 07
29 | 07
29 | | 07
29 | |
| ANIMAL ID | 00326 | 00327 | 00328 | 00329 | 00330 | 00331 | 00332 | 00333 | 00334 | 00335 | 00336 | 00337 | 00338 | 00339 | 00340 | 00341 | 00342 | 00343 | 00344 | 00345 | 00346 | 00347 | |
| Pigment | 1 | 1 | 1 | | | | | | | | | | 1 | | 1 | | | | | | | | 12 |
| Red Pulp, Hyperplasia | | | | | 2 | | | | | | | | | | | | | | | | | | 1 |
| White Pulp, Atrophy | | | | | | | | | | | | | | | | | | | | | | | 3 |
| Thymus | + | + | + | + | + | + | + | + | M | + | + | + | M | + | + | + | + | + | + | + | + | + | 47 |
| Atrophy | | | | 2 | | | | 4 | | | | | | 4 | | | | | | | | 2 | 6 |
| Cyst | | | | | | | | | X | | | | | | | | | | | | | | 3 |
| Hyperplasia, Lymphocyte | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | | | | | | | 2 |
| INTEGUMENTARY SYSTEM | | | | | | | | | | | | | | | | | | | | | | | |
| Mammary Gland | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 |
| Skin | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 |
| MUSCULOSKELETAL SYSTEM | | | | | | | | | | | | | | | | | | | | | | | |
| Bone | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Fibro-Osseous Lesion | | | | | | | | | | | | | | | 1 | | | | | | | 1 | 8 |
| NERVOUS SYSTEM | | | | | | | | | | | | | | | | | | | | | | | |
| Brain | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 |
| Gliosis | | | | | | | | | | | | | | | | | | | | | | 1 | 1 |
| RESPIRATORY SYSTEM | | | | | | | | | | | | | | | | | | | | | | | |
| Lung | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 |
| Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Infiltration Cellular, Histiocyte | | | | | | | | | | | | | | | 4 | | | | | | | | 1 |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically
 1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
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Experiment Number: 10987 - 02

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Species/Strain: MICE/B6C3F1/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Dibutyl Phthalate

CAS Number: 84-74-2

Date Report Requested: 06/04/2018

Time Report Requested: 09:07:59

First Dose M/F: 08/17/10 / 08/16/10

Lab: BAT

| DAY ON TEST | B6C3F1/N MICE FEMALE | | | | | | | | | | | | | | | | | | | | ANIMAL ID | * TOTALS | |
|-------------|----------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|----------|---|
| | 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 | 5 | 7 | 5 | 7 | 7 | 7 | 5 | 4 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 0 | 0 |
| 3 | 3 | 3 | 2 | 2 | 2 | 8 | 3 | 8 | 3 | 3 | 3 | 8 | 4 | 3 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 |
| 0 | 0 | 0 | 9 | 9 | 9 | 9 | 0 | 9 | 0 | 0 | 1 | 5 | 8 | 1 | 9 | 9 | 4 | 9 | 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 |
| 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 |
| 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |

| | | | | | | | | | | | | | | | | | | | | | | | | |
|---|--|--|--|--|---|--|--|--|--|--|---|---|--|--|--|--|--|--|--|--|--|--|---|-----|
| Infiltration Cellular, Lymphocyte | | | | | | | | | | | | | | | | | | | | | | | 1 | 2.0 |
| Infiltration Cellular, Mononuclear Cell | | | | | | | | | | | | | | | | | | | | | | | 2 | 2.0 |
| Inflammation, Chronic Active | | | | | 1 | | | | | | | | | | | | | | | | | | 1 | 1.0 |
| Alveolar Epithelium, Hyperplasia | | | | | | | | | | | | 3 | | | | | | | | | | | 5 | 1.4 |
| Perivascular, Infiltration Cellular, Mononuclear Cell | | | | | | | | | | | 3 | | | | | | | | | | | | 1 | 3.0 |

| | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|-----|
| Nose | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Eosinophilic Material | 1 | | | | | | | | | | | | | | | | | | | | | | 1 | 1.0 |
| Inflammation, Suppurative | | | | | | | | | | | | 2 | | | | | 1 | | | | | | 2 | 1.5 |
| Olfactory Epithelium, Metaplasia, Respiratory | | | | | | | | | | | | | | | | | | | | | | | 1 | 1.0 |
| Respiratory Epithelium, Accumulation, Hyaline Droplet | | | | | 1 | | | | | | | | | | | | | | | | | | 1 | 1.0 |
| Respiratory Epithelium, Hyperplasia | | | | | | | | | | | | | | 1 | | | | | | | | | 3 | 1.0 |

| | | | | | | | | | | | | | | | | | | | | | | | | |
|---------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|--|
| Trachea | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 | |
|---------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|--|

SPECIAL SENSES SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|-----|
| Eye | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 | |
| Harderian Gland | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 | |
| Fibrosis | | | | | | | | | | | | | 2 | | | | | | | | | | 1 | 2.0 |
| Hyperplasia | | | | | | | | | | | | 3 | | | | | | | | | | | 1 | 3.0 |

URINARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|-----|
| Kidney | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 | |
| Infarct | | | 1 | | | | | | | | | | | | | | | | | | | | 1 | 1.0 |
| Metaplasia, Osseous | | | | | | | | | | | | | | | | X | | | | | | | 3 | |
| Nephropathy, Chronic Progressive | | | 1 | 1 | | 1 | 1 | | 3 | 1 | 1 | | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 36 | 1.1 |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
+ .. Tissue examined microscopically
X .. Lesion present
I .. Insufficient tissue
M .. Missing tissue
A .. Autolysis precludes evaluation
BLANK .. Not examined microscopically
1-4 .. Lesion qualified as:
1) Minimal 3) Moderate
2) Mild 4) Marked

Experiment Number: 10987 - 02

Test Type: CHRONIC

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P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Dibutyl Phthalate

CAS Number: 84-74-2

Date Report Requested: 06/04/2018

Time Report Requested: 09:07:59

First Dose M/F: 08/17/10 / 08/16/10

Lab: BAT

| B6C3F1/N MICE FEMALE | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | * TOTALS | |
|---|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------|------|
| | 0730 | 0730 | 0730 | 0732 | 0732 | 0732 | 0739 | 0739 | 0739 | 0739 | 0739 | 0739 | 0739 | 0739 | 0739 | 0739 | 0739 | 0739 | 0739 | 0739 | 0739 | 0739 | 0739 | 0739 | | 0739 |
| 3000 ppm | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | |
| ANIMAL ID | 326 | 327 | 328 | 329 | 330 | 331 | 332 | 333 | 334 | 335 | 336 | 337 | 338 | 339 | 340 | 341 | 342 | 343 | 344 | 345 | 346 | 347 | 348 | 349 | 350 | |
| Thrombus | | | | | | | | | | | | | | | | | | | | | | | | | | 4 |
| Glomerulus, Inflammation, Chronic Active | | | | | | | | | | | | | | | | | | | | | | | | | | 4 |
| Renal Tubule, Accumulation, Hyaline Droplet | | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Urinary Bladder | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 | |
| Infiltration Cellular, Lymphocyte | | | | 4 | | | | | | | | 2 | | | | | | | | | | | | | 2 | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | 3.0 |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

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Experiment Number: 10987 - 02
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| | | | | | | | | | | | | | | | | | | | | | | | |
|---|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------------------|
| B6C3F1/N MICE FEMALE

10000 ppm | DAY ON TEST | 0730 | 0730 | 0730 | 0730 | 0730 | 0730 | 0730 | 0730 | 0730 | 0730 | 0730 | 0730 | 0730 | 0730 | 0730 | 0730 | 0730 | 0730 | 0730 | 0730 | 0730 | females
(cont...) |
| | ANIMAL ID | 00351 | 00352 | 00353 | 00354 | 00355 | 00356 | 00357 | 00358 | 00359 | 00360 | 00361 | 00362 | 00363 | 00364 | 00365 | 00366 | 00367 | 00368 | 00369 | 00370 | 00371 | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |

ALIMENTARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Esophagus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Gallbladder | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Large, Cecum | + | A | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Large, Colon | + | A | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Large, Rectum | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Small, Duodenum | + | A | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Small, Ileum | + | A | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Small, Jejunum
Peyer's Patch, Hyperplasia, Lymphocyte | + | A | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Liver | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Basophilic Focus | | | | | | | | | | | | | | | | | | | | | | X |
| Eosinophilic Focus | | | | | | | | | | | | | | | | | | | | | | |
| Extramedullary Hematopoiesis | | | | | | | | | | | | | | | | | | | | | | |
| Inflammation, Focal | | | | | | | | | | | | | | | | | | | | | 1 | |
| Mixed Cell Focus | | | | | | | | | | | | | | | | | | | | | | |
| Bile Duct, Accumulation, Hyaline Droplet | | | | | | | | | | | | | | | | | | | | | | |
| Hepatocyte, Cytoplasmic Alteration | 1 | | 1 | 1 | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Mesentery | | | | | | | | | | | | | | | | | | | | | | |
| Hemorrhage | | | | | | | | | | | | | | | | | | | | | | |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
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 1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
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 CAS Number: 84-74-2

Date Report Requested: 06/04/2018
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 Lab: BAT

| B6C3F1/N MICE FEMALE
10000 ppm | DAY ON TEST | | | | | | | | | | | | | | | | | | | | ANIMAL ID | females
(cont...) | |
|-----------------------------------|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----------|----------------------|------|
| | 0730 | 0734 | 0737 | 0738 | 0739 | 0742 | 0743 | 0745 | 0746 | 0747 | 0749 | 0750 | 0751 | 0752 | 0753 | 0754 | 0755 | 0756 | 0757 | 0758 | | | 0759 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0035 | |
| | 7 | 5 | 7 | 7 | 5 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 0033 | |
| | 3 | 4 | 3 | 3 | 9 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 0031 | |
| | 0 | 7 | 0 | 0 | 8 | 9 | 9 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0051 | |

| | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Pancreas
Duct, Cyst | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Salivary Glands | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Stomach, Forestomach | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Stomach, Glandular
Epithelium, Cyst | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |

CARDIOVASCULAR SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Blood Vessel
Inflammation, Chronic Active | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Heart
Cardiomyopathy
Infiltration Cellular, Mixed Cell | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| | 1 | | | 1 | | | 1 | | 1 | | | | | 1 | | | 1 | | | | | | | |

ENDOCRINE SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Adrenal Cortex
Extramedullary Hematopoiesis
Hyperplasia, Focal
Subcapsular, Hyperplasia | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| | 2 | | 1 | 2 | 1 | 2 | 2 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 1 | 2 |
| Adrenal Medulla
Hyperplasia | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| | | | | | | | | | 4 | | | | | | | | | | | | | | | |
| Islets, Pancreatic | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically
 1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

Experiment Number: 10987 - 02

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: MICE/B6C3F1/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Dibutyl Phthalate

CAS Number: 84-74-2

Date Report Requested: 06/04/2018

Time Report Requested: 09:07:59

First Dose M/F: 08/17/10 / 08/16/10

Lab: BAT

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------|------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|------------------------------|
| B6C3F1/N MICE FEMALE | 10000 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 | females
(cont...) |
| | | 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 | |
| | | | 7 | 5 | 7 | 7 | 5 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | |
| | | | 3 | 4 | 3 | 3 | 9 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | |
| | | | 0 | 7 | 0 | 0 | 8 | 9 | 9 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | |
| | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | |
| | | | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | | |
| | | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | | |

| | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Parathyroid Gland | + | M | + | + | + | + | + | + | + | M | M | M | + | M | + | + | + | + | + | + | M | M | M | M |
| Pituitary Gland
Pars Distalis, Hyperplasia | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Thyroid Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Clitoral Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Ovary | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Atrophy | | 4 | 3 | 3 | | 3 | | | 3 | | | 2 | 3 | 1 | | 3 | 3 | | 4 | 3 | 2 | | 1 | |
| Cyst | | | | | | | X | | | | | | | | | X | | | | | | | | |
| Follicle, Cyst | X | | | | | | | | | | | | | | | | | | | | | | | |
| Interstitial Cell, Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | | |
| Uterus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Angiectasis | | | | | | | | | | | | | | | | | | | | | | | | |
| Inflammation, Chronic Active | | | | | | | | | | | | | | | | | | | | | | | | |
| Thrombus | | 4 | | | | | | | | | | | | | | | | | | | | | | |
| Endometrium, Hyperplasia, Cystic | | | 1 | 1 | | 4 | 2 | | 2 | 1 | 1 | 1 | 4 | 3 | | | 2 | | 2 | 1 | | 1 | 3 | |
| Myometrium, Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | 2 | |

HEMATOPOIETIC SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Bone Marrow | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
+ .. Tissue examined microscopically
X .. Lesion present
I .. Insufficient tissue
M .. Missing tissue
A .. Autolysis precludes evaluation
BLANK .. Not examined microscopically
1-4 .. Lesion qualified as:
1) Minimal 3) Moderate
2) Mild 4) Marked

Experiment Number: 10987 - 02

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: MICE/B6C3F1/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Dibutyl Phthalate

CAS Number: 84-74-2

Date Report Requested: 06/04/2018

Time Report Requested: 09:07:59

First Dose M/F: 08/17/10 / 08/16/10

Lab: BAT

| B6C3F1/N MICE FEMALE
10000 ppm | DAY ON TEST | | | | | | | | | | | | | | | | | | | | females
(cont...) | | |
|--|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----------------------|---|---|
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| | 7 | 5 | 7 | 7 | 5 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | | | |
| | 3 | 4 | 3 | 3 | 9 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 2 | 2 | 2 | 2 | 2 | | | |
| | 0 | 7 | 0 | 0 | 8 | 9 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 | 9 | 9 | 9 | 9 | | | |
| | 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 | | | |
| | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | | | |
| | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | | | |
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | | | |
| Hypercellularity | | 3 | 2 | | | | | | | 3 | 1 | | | | 2 | | | | | | | | |
| Hypocellularity | | | | | | | | | | | | | | | | | | | | | | | |
| Myelofibrosis | | 2 | | | | | | | | | | | | | | | | | | | | | |
| Lymph Node | | | | | | | | | | | | | | | | | | | | | | | |
| Lumbar, Hyperplasia, Lymphoid | | | | | | | | + | | | | | | | | | | | | | | | |
| Lymph Node, Mandibular | | | | | | | | | | | | | | | | | | | | | | | |
| Atrophy | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | |
| Hyperplasia, Lymphoid | | | | | 3 | | | | | | 2 | | 2 | | | | 4 | | | 3 | | | |
| Lymph Node, Mesenteric | | | | | | | | | | | | | | | | | | | | | | | |
| Atrophy | | + | A | + | + | M | + | + | + | + | + | M | + | + | + | + | + | + | + | + | | | |
| Dilation | | | | | | | | | | | | | | | | | | | | 3 | | | |
| Extramedullary Hematopoiesis | | | | | | | | | | | | | | | | | | | | | | | |
| Hyperplasia, Lymphocyte | | | | | 1 | | | 3 | | | | | | | | 4 | 3 | | | 3 | | | |
| Infiltration Cellular, Eosinophil, Plasma Cell | | | | | | | | | | | | | | | | | | | | | | | |
| Infiltration Cellular, Plasma Cell | | | | | | | | | | | | | | | | | | | | | | | |
| Spleen | | | | | | | | | | | | | | | | | | | | | | | |
| Angiectasis | | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | |
| Extramedullary Hematopoiesis | | 1 | | 2 | 2 | 3 | 1 | | 1 | 1 | 1 | | | 1 | 1 | | | | 2 | | | | |
| Hyperplasia, Lymphocyte | | | | 1 | 1 | | | 3 | | | | 1 | 2 | | | | 3 | 3 | 4 | 3 | | | |
| Infiltration Cellular, Histiocyte | | | | | | | | | | | | | | | | | | | | | | | |
| Pigment | | X | | | | | 1 | | 1 | 1 | 1 | | 1 | | 1 | 1 | | | | | | | |
| Thrombus | | | | | | | | | | | | | | | | | | | | | | | |
| White Pulp, Atrophy | | | | | 4 | | | | | | | | | | | | | | | | | | |
| Thymus | | | | | | | | | | | | | | | | | | | | | | | |
| Atrophy | | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + |

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

1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

Experiment Number: 10987 - 02
 Test Type: CHRONIC
 Route: DOSED FEED
 Species/Strain: MICE/B6C3F1/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Dibutyl Phthalate
 CAS Number: 84-74-2

Date Report Requested: 06/04/2018
 Time Report Requested: 09:07:59
 First Dose M/F: 08/17/10 / 08/16/10
 Lab: BAT

| B6C3F1/N MICE FEMALE | 10000 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 | females
(cont...) |
|----------------------|-----------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----------------------|
| | | 7 | 5 | 7 | 7 | 5 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | |
| | | 3 | 4 | 3 | 3 | 9 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | |
| | | 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 | | |
| | | | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | | |
| | | | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | | | |
| | | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | | | |

Hyperplasia, Lymphoid

2

INTEGUMENTARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Mammary Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Skin | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |

MUSCULOSKELETAL SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Bone | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Fibro-Osseous Lesion | | | | | | | | | | | | 1 | | | | | 1 | | | | | | | 1 |
| Skeletal Muscle | | | | | | | | | | | | | | | | | | | | | | | | |

NERVOUS SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | |
|---------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Brain | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Gliosis | | | | | | | | | | | | | | | | | | | | | | | | |

RESPIRATORY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lung | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Infiltration Cellular, Lymphocyte
Inflammation, Granulomatous
Alveolar Epithelium, Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | | 2 |
| Nose | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Eosinophilic Material | | | | 1 | | 1 | | | | | | | 1 | | | | | | | | | | | |
| Glands, Inflammation, Suppurative | | | | | | | | | | | | | | | | | | | | | | | | |
| Olfactory Epithelium, Metaplasia, Respiratory | 1 | | | | | | | | | | 1 | | | | | | | | | | | | | |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically
 1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
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Experiment Number: 10987 - 02
 Test Type: CHRONIC
 Route: DOSED FEED
 Species/Strain: MICE/B6C3F1/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Dibutyl Phthalate
 CAS Number: 84-74-2

Date Report Requested: 06/04/2018
 Time Report Requested: 09:07:59
 First Dose M/F: 08/17/10 / 08/16/10
 Lab: BAT

| DAY ON TEST | B6C3F1/N MICE FEMALE | | | | | | | | | | | | | | | | | | | | ANIMAL ID | females (cont...) | | | | |
|-------------|----------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|-------------------|---|---|---|--|
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | 0 | 0 | | |
| 7 | 5 | 7 | 7 | 5 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 0 | | | |
| 3 | 4 | 3 | 3 | 9 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 0 | | | |
| 0 | 7 | 0 | 0 | 8 | 9 | 9 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 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 | | | |
| 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 0 | | | |
| 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 0 | | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 0 | |

Respiratory Epithelium, Accumulation, Hyaline Droplet 2

Respiratory Epithelium, Cyst X

Respiratory Epithelium, Hyperplasia 1

Respiratory Epithelium, Inflammation, Suppurative 1

Trachea +

SPECIAL SENSES SYSTEM

Eye +

Harderian Gland Hyperplasia +
 2

URINARY SYSTEM

Kidney + A +

Nephropathy, Chronic Progressive 2 1

Renal Tubule, Accumulation, Hyaline Droplet 3

Renal Tubule, Cyst 2 2 1

Renal Tubule, Hyperplasia 2 2 1

Urinary Bladder Infiltration Cellular, Lymphocyte +
 2

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
 A .. Autolysis precludes evaluation
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Date Report Requested: 06/04/2018

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First Dose M/F: 08/17/10 / 08/16/10

Lab: BAT

| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|----------------------|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----------|---|---|
| DAY ON TEST | | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| B6C3F1/N MICE FEMALE | | 2 | 0 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 10000 ppm | | 9 | 8 | 9 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 9 | 9 | 9 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 1 | 1 | 1 |
| 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 |
| | | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| | | 7 | 7 | 7 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| | | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| | | | | | | | | | | | | | | | | | | | | | | | * TOTALS | | |

ALIMENTARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|-----|-----|
| Esophagus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | | |
| Gallbladder | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 | | |
| Intestine Large, Cecum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 | | |
| Intestine Large, Colon | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 | | |
| Intestine Large, Rectum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 | | |
| Intestine Small, Duodenum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 | | |
| Intestine Small, Ileum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 | | |
| Intestine Small, Jejunum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 | | |
| Peyer's Patch, Hyperplasia, Lymphocyte | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1.0 | |
| Liver | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 | | |
| Basophilic Focus | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| Eosinophilic Focus | | | | | | | | | | | | | | | | | | | | | | | X | | 1 | | |
| Extramedullary Hematopoiesis | | | | | | | | | | | | | | | | | | | | | | | 2 | | 1 | 2.0 | |
| Inflammation, Focal | | | | | 1 | | 1 | | | | | | | | | 1 | | 1 | | | | | | | 5 | 1.0 | |
| Mixed Cell Focus | | | | | | | | | | | | X | | | | | | | | | | | | | 1 | | |
| Bile Duct, Accumulation, Hyaline Droplet | | | | | | | | | | | | | | | | | | | | | | | | 2 | 1 | 2.0 | |
| Hepatocyte, Cytoplasmic Alteration | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 48 | 1.0 | |
| Mesentery | | | + | | | | | | | | | | | | | | | | | | | | | | 2 | | |
| Hemorrhage | | | | | | | | | | | | | | | | | | | | | | | | | 4 | 1 | 4.0 |

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

1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

Experiment Number: 10987 - 02

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: MICE/B6C3F1/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Dibutyl Phthalate

CAS Number: 84-74-2

Date Report Requested: 06/04/2018

Time Report Requested: 09:07:59

First Dose M/F: 08/17/10 / 08/16/10

Lab: BAT

| B6C3F1/N MICE FEMALE
10000 ppm | DAY ON TEST | | | | | | | | | | | | | | | | | | | | * TOTALS | | | | | | |
|---|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------|-------|-------|-------|-------|----|--------------------------|
| | 079 | 078 | 079 | 071 | 073 | 073 | 071 | 071 | 070 | 070 | 070 | 070 | 070 | 070 | 070 | 070 | 070 | 070 | 070 | 070 | | 070 | | | | | |
| ANIMAL ID | 00376 | 00377 | 00378 | 00379 | 00380 | 00381 | 00382 | 00383 | 00384 | 00385 | 00386 | 00387 | 00388 | 00389 | 00390 | 00391 | 00392 | 00393 | 00394 | 00395 | 00396 | 00397 | 00398 | 00399 | 00400 | | |
| Pancreas Duct, Cyst | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 | 1 |
| Salivary Glands | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Stomach, Forestomach | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 | |
| Stomach, Glandular Epithelium, Cyst | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 | 1 |
| CARDIOVASCULAR SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Blood Vessel Inflammation, Chronic Active | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 | 4 1.5 |
| Heart Cardiomyopathy Infiltration Cellular, Mixed Cell | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | 12 1.2
1 2.0 |
| ENDOCRINE SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Adrenal Cortex Extramedullary Hematopoiesis Hyperplasia, Focal Subcapsular, Hyperplasia | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 | 1 2.0
1 2.0
49 1.7 |
| Adrenal Medulla Hyperplasia | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 | 1 4.0 |
| Islets, Pancreatic | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 | |

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X .. Lesion present
I .. Insufficient tissue
M .. Missing tissue
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Experiment Number: 10987 - 02
 Test Type: CHRONIC
 Route: DOSED FEED
 Species/Strain: MICE/B6C3F1/N

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 Dibutyl Phthalate
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 Lab: BAT

| B6C3F1/N MICE FEMALE
10000 ppm | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | * TOTALS | |
|---|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|-------------|--------|
| | 07
29 | 07
08 | 07
02 | 07
03 | 07
03 | 07
03 | 07
03 | 07
03 | 07
03 | 07
03 | 07
03 | 07
03 | 07
03 | 07
03 | 07
03 | 07
03 | 07
03 | 07
03 | 07
03 | 07
03 | 07
03 | 07
03 | 07
03 | | | |
| ANIMAL ID | 00
37
67 | 00
37
67 | 00
37
67 | 00
37
67 | 00
37
67 | 00
37
67 | 00
37
67 | 00
37
67 | 00
37
67 | 00
37
67 | 00
37
67 | 00
37
67 | 00
37
67 | 00
37
67 | 00
37
67 | 00
37
67 | 00
37
67 | 00
37
67 | 00
37
67 | 00
37
67 | 00
37
67 | 00
37
67 | 00
37
67 | 00
37
67 | | |
| Parathyroid Gland | + | M | + | + | M | M | M | + | + | M | + | + | M | M | M | + | + | + | + | + | + | + | + | + | 33 | |
| Pituitary Gland
Pars Distalis, Hyperplasia | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | 47
1 1.0 | |
| Thyroid Gland | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 | |
| GENERAL BODY SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | |
| NONE | | | | | | | | | | | | | | | | | | | | | | | | | | |
| GENITAL SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Clitoral Gland | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | 49 | |
| Ovary | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Atrophy | | | 1 | 2 | 2 | 1 | | | | | | | 2 | | 2 | 3 | | | 2 | | 1 | 1 | 2 | | 25 2.3 | |
| Cyst | | X | | | | | | | | | | | | | | | | | | | | X | | | 4 | |
| Follicle, Cyst | | | | | | | | | | | | | | | | | | | | | | | | | 1 | |
| Interstitial Cell, Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | 2 | 1 | 2 1.5 | |
| Uterus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Angiectasis | | | | | | | | | | | | | | | | | | | | | | | 2 | | 1 2.0 | |
| Inflammation, Chronic Active | | | | | | | | | | | | | | | | | | | | | | | 2 | | 1 2.0 | |
| Thrombus | | | | | | | | | | | | | | | | | | | | | | | | | 1 4.0 | |
| Endometrium, Hyperplasia, Cystic | 3 | 1 | 1 | | 4 | 2 | 1 | 2 | 2 | 2 | 2 | 1 | 3 | 2 | | 2 | | 2 | 2 | | 2 | 2 | 1 | 2 | 1 | 36 1.9 |
| Myometrium, Hyperplasia | | | | | | | | | | | | | | | | | | | | | | | | | | 1 2.0 |
| HEMATOPOIETIC SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bone Marrow | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |

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Experiment Number: 10987 - 02

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Species/Strain: MICE/B6C3F1/N

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10000 ppm | DAY ON TEST | | | | | | | | | | | | | | | | | | | | * TOTALS | | | | | | | | | |
|--|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------|------|----|-----|----|-----|---|-----|----|-----|
| | 0729 | 0708 | 0709 | 0703 | 0703 | 0703 | 0703 | 0703 | 0703 | 0703 | 0703 | 0703 | 0703 | 0703 | 0703 | 0703 | 0703 | 0703 | 0703 | 0703 | | 0703 | | | | | | | | |
| ANIMAL ID | 00376 | 00377 | 00378 | 00379 | 00380 | 00381 | 00382 | 00383 | 00384 | 00385 | 00386 | 00387 | 00388 | 00389 | 00390 | 00391 | 00392 | 00393 | 00394 | 00395 | 00396 | | | | | | | | | |
| Hypercellularity | 3 | | | | | | | | | | 4 | | | | | | | | | | 4 | 3.0 | | | | | | | | |
| Hypocellularity | | | | | | | | | | | | | | | | | | | | | 3 | 2.0 | | | | | | | | |
| Myelofibrosis | | | | | | | | | | | | | | | | | | | | | 1 | 2.0 | | | | | | | | |
| Lymph Node
Lumbar, Hyperplasia, Lymphoid | | | | | | | | | | | + | | | | | | | | | | 4 | | | | | | | | | |
| | | | | | | | | | | | 2 | | | | | | | | | | 1 | 2.0 | | | | | | | | |
| Lymph Node, Mandibular
Atrophy | + | | | | | | | | | | | | | | | | | | | | 50 | | | | | | | | | |
| Hyperplasia, Lymphoid | 2 | | | | | | | | | | 2 | | | | | | | | | | 6 | 2.5 | | | | | | | | |
| Lymph Node, Mesenteric
Atrophy | + | | | | | | | | | | | | | | | | | | | | 47 | | | | | | | | | |
| Dilation | | | | | | | | | | | 3 | | | | | | | | | | 2 | 3.0 | | | | | | | | |
| Extramedullary Hematopoiesis | | | | | | | | | | | 2 | | | | | | | | | | 1 | 2.0 | | | | | | | | |
| Hyperplasia, Lymphocyte | 3 | | | | | | | | | | 3 | | | | | | | | | | 2 | 3 | 9 | 2.8 | | | | | | |
| Infiltration Cellular, Eosinophil, Plasma Cell | | | | | | | | | | | | | | | | | | | | | 2 | | 1 | 2.0 | | | | | | |
| Infiltration Cellular, Plasma Cell | 3 | | | | | | | | | | 2 | | | | | | | | | | 4 | | 3 | 3.0 | | | | | | |
| Spleen
Angiectasis | + | | | | | | | | | | | | | | | | | | | | 49 | | | | | | | | | |
| Extramedullary Hematopoiesis | 1 | | | | | | | | | | 3 | | | | | | | | | | 1 | 3 | 21 | 1.6 | | | | | | |
| Hyperplasia, Lymphocyte | 3 | | | | | | | | | | 3 | | | | | | | | | | 1 | 2 | 2 | 2 | 2 | 2 | 1 | 3 | 21 | 2.3 |
| Infiltration Cellular, Histiocyte | | | | | | | | | | | 2 | | | | | | | | | | | | 1 | | 1 | | 1 | 2.0 | | |
| Pigment | 1 | | | | | | | | | | 1 | | | | | | | | | | 1 | | 2 | | 12 | 1.1 | | | | |
| Thrombus | | | | | | | | | | | | | | | | | | | | | 3 | | 1 | | 1 | | 1 | 3.0 | | |
| White Pulp, Atrophy | 3 | | | | | | | | | | | | | | | | | | | | | | 2 | | 2 | | 2 | 3.5 | | |
| Thymus
Atrophy | + | | | | | | | | | | | | | | | | | | | | 47 | | | | | | | | | |
| | M | | | | | | | | | | | | | | | | | | | | 2 | | 1 | 2.0 | | | | | | |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

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Experiment Number: 10987 - 02

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Species/Strain: MICE/B6C3F1/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Dibutyl Phthalate

CAS Number: 84-74-2

Date Report Requested: 06/04/2018

Time Report Requested: 09:07:59

First Dose M/F: 08/17/10 / 08/16/10

Lab: BAT

| DAY ON TEST | B6C3F1/N MICE FEMALE | | | | | | | | | | | | | | | | | | | | | | | | * TOTALS |
|-------------|----------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------|
| | 0729 | 0708 | 0702 | 0703 | 0703 | 0703 | 0703 | 0703 | 0703 | 0703 | 0703 | 0703 | 0703 | 0703 | 0703 | 0703 | 0703 | 0703 | 0703 | 0703 | 0703 | 0703 | 0703 | 0703 | |
| 10000 ppm | 00739 | 00708 | 00702 | 00703 | 00703 | 00703 | 00703 | 00703 | 00703 | 00703 | 00703 | 00703 | 00703 | 00703 | 00703 | 00703 | 00703 | 00703 | 00703 | 00703 | 00703 | 00703 | 00703 | 00703 | 00703 |
| ANIMAL ID | 00376 | 00307 | 00302 | 00303 | 00303 | 00303 | 00303 | 00303 | 00303 | 00303 | 00303 | 00303 | 00303 | 00303 | 00303 | 00303 | 00303 | 00303 | 00303 | 00303 | 00303 | 00303 | 00303 | 00303 | 00303 |

Hyperplasia, Lymphoid

1 2.0

INTEGUMENTARY SYSTEM

Mammary Gland

+ 50

Skin

+ 50

MUSCULOSKELETAL SYSTEM

Bone

+ 50

Fibro-Osseous Lesion

2 2 2 6 1.5

Skeletal Muscle

+ 1

NERVOUS SYSTEM

Brain

+ 50

Gliososis

2 1 2.0

RESPIRATORY SYSTEM

Lung

+ 50

Infiltration Cellular, Lymphocyte

2 1 2.0

Inflammation, Granulomatous

2 1 2.0

Alveolar Epithelium, Hyperplasia

1 2.0

Nose

+ 50

Eosinophilic Material

3 1.0

Glands, Inflammation, Suppurative

1 1 1.0

Olfactory Epithelium, Metaplasia, Respiratory

2 1.0

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

X .. Lesion present

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