

**Experiment Number:** 20006 - 04  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** MICE/B6C3F1

**P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**  
Indole-3-carbinol  
**CAS Number:** 700-06-1

**Date Report Requested:** 06/15/2012  
**Time Report Requested:** 12:41:18  
**First Dose M/F:** 04/03/07 / 04/02/07  
**Lab:** BAT

F1\_M3

**NTP Study Number:** C20006B  
**Lock Date:** 03/08/2010  
**Cage Range:** ALL  
**Date Range:** ALL  
**Reasons For Removal:** ALL  
**Removal Date Range:** ALL  
**Treatment Groups:** Include ALL  
**Study Gender:** Both  
**TDMSE Version:** 2.6.0.0\_007  
**PWG Approval Date:** NONE



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Lab: BAT

B6C3F1 MICE MALE 0 mg/kg	DAY ON TEST																				ANIMAL ID	males (cont...)			
	0 7 3 1	0 6 7 3	0 7 3 2	0 7 3 2	0 4 6 3	0 7 3 2	0 7 3 0	0 5 4 6	0 7 3 1	0 7 3 0	0 5 4 1	0 7 3 1	0 6 4 4	0 5 0 1	0 5 3 2	0 7 3 2	0 7 3 1	0 7 3 1	0 7 3 1	0 6 2 6			0 4 6 8	0 6 8 0	
Fat, Necrosis				3																	2	2			
Pancreas Acinus, Atrophy	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
Salivary Glands Infiltration Cellular, Mononuclear Cell	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	1	1
Stomach, Forestomach Ulcer Epithelium, Hyperplasia	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	4	2
Stomach, Glandular Erosion Inflammation, Chronic Mineralization	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	1	1
Tooth Dysplasia		+	+				+							+	+	+	+	+		+	+	+	+	2	3

CARDIOVASCULAR SYSTEM

Blood Vessel Adventitia, Pulmonary Vein, Infiltration Cellular, Polymorphonuclear	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	1	
Heart Cardiomyopathy Inflammation, Chronic Artery, Inflammation, Chronic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	1	1

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

+ .. Tissue examined microscopically

X .. Lesion present

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1-4 .. Lesion qualified as:

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Lab: BAT

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

Olfactory Epithelium, Respiratory Metaplasia			2		1	1	1							1	1	1					1	1		
Respiratory Epithelium, Accumulation, Hyaline Droplet			1				1							1	1		2				1	1		
Respiratory Epithelium, Hyperplasia	1		1	1	1	1	1			1			1	1	1	1			1		1	1		
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

**SPECIAL SENSES SYSTEM**

Eye	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Phthisis Bulbi																								
Cornea, Inflammation, Chronic			1			1																		
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hyperplasia																								
Inflammation, Suppurative																								

**URINARY SYSTEM**

Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Infarct																								
Inflammation, Chronic																								
Metaplasia, Osseous Mineralization																								
Nephropathy	1	2	1	2		2	2	1	1	1	1	3	1	1	1	1	2	4	1	2	1	2	1	1
Papilla, Necrosis																								
Pelvis, Inflammation, Suppurative																								
Renal Tubule, Cyst																								
Renal Tubule, Pigmentation																								
Renal Tubule, Vacuolization Cytoplasmic						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  
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Lab: BAT

B6C3F1 MICE MALE 0 mg/kg	DAY ON TEST																								* TOTALS
	07326	07327	07328	07329	07330	07331	07332	07333	07334	07335	07336	07337	07338	07339	07340	07341	07342	07343	07344	07345	07346	07347	07348	07349	
ANIMAL ID	0026	0027	0028	0029	0030	0031	0032	0033	0034	0035	0036	0037	0038	0039	0040	0041	0042	0043	0044	0045	0046	0047	0048	0049	
Cyst	2	2			2	2						3	2	2	2							2			
Inflammation, Suppurative					2			2			2														
Prostate	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Hyperplasia							2				2													2	
Inflammation, Chronic					2																			1	
Seminal Vesicle	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50		
Atrophy																								1	
Testes	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50		
Inflammation, Granulomatous																					2			1	
Inflammation, Chronic																								1	
Mineralization																								1	
Germinal Epithelium, Atrophy																								2	
<b>HEMATOPOIETIC SYSTEM</b>																									
Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50		
Lymph Node							+															+		2	
Lymph Node, Mandibular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50		
Lymph Node, Mesenteric	+	+	+	+	+	+		M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48		
Hematopoietic Cell Proliferation																								1	
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50		
Hematopoietic Cell Proliferation				3	2			3			3		2	2		1					1		2	16	
Necrosis						3																		1	
Lymphoid Follicle, Atrophy																				3			3	2	

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Lab: BAT

B6C3F1 MICE MALE	DAY ON TEST																								* TOTALS	
	0732	0733	0752	0753	0761	0762	0772	0775	0778	0783	0789	0792	0793	0798	0803	0807	0812	0817	0823	0827	0833	0837	0843	0847		
0 mg/kg	0026	0007	0008	0009	0010	0011	0012	0013	0014	0015	0016	0017	0018	0019	0020	0021	0022	0023	0024	0025	0026	0027	0028	0029		
Olfactory Epithelium, Respiratory Metaplasia		1							1										1			1			14 1.1	
Respiratory Epithelium, Accumulation, Hyaline Droplet	1						1				1			2	1	1					1	2	1	1	1	18 1.2
Respiratory Epithelium, Hyperplasia	1	1	1	1		1	1		1	1	1	1	1					1	1	1	1	1	1	1	1	35 1.0
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
<b>SPECIAL SENSES SYSTEM</b>																										
Eye	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Phthisis Bulbi																										1
Cornea, Inflammation, Chronic																										2 1.0
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Hyperplasia							1																			1 1.0
Inflammation, Suppurative																						3				1 3.0
<b>URINARY SYSTEM</b>																										
Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Infarct	2																									3 1.7
Inflammation, Chronic																										1 2.0
Metaplasia, Osseous											1															1 1.0
Mineralization									2													2				4 1.8
Nephropathy	2	1		1		1		1	1	4	1	2		1		1	1	1	3	1	1	2	1	3	42 1.5	
Papilla, Necrosis																						2				1 2.0
Pelvis, Inflammation, Suppurative							3								1											2 2.0
Renal Tubule, Cyst																						1				1 1.0
Renal Tubule, Pigmentation					2																					1 2.0
Renal Tubule, Vacuolization Cytoplasmic																										1 2.0

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

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Lab: BAT

<b>B6C3F1 MICE MALE</b>	DAY ON TEST	0732	0758	0767	0773	0778	0778	0766	0755	0776	0767	0777	0777	0777	0777	0766	0766	0767	0766	0777	0777	0777	0777	0777	<b>males (cont...)</b>
	ANIMAL ID	00051	00052	00053	00054	00055	00056	00057	00058	00059	00060	00061	00062	00063	00064	00065	00066	00067	00068	00069	00070	00071	00072	00073	

Mesentery	+											+													
Oral Mucosa																									
Pancreas Duct, Cyst	+ +																								
Salivary Glands Infiltration Cellular, Mononuclear Cell	+ 1 1																								
Stomach, Forestomach Inflammation, Chronic Ulcer Epithelium, Hyperplasia	+ 3 2 1 3 2 3 3 2 2																								
Stomach, Glandular Inflammation, Chronic Mineralization Pigmentation Epithelium, Hyperplasia	+ A + A + + + + + 1 2 1 1																								
Tooth Dysplasia	+ 2 4 1 3 2 3 4 3 3 1 4 3 4 3 3 1 4																								

**CARDIOVASCULAR SYSTEM**

Blood Vessel Aorta, Mineralization	+ 2																								
Heart Cardiomyopathy	+ 2 1 1 1																								

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B6C3F1 MICE MALE 62.5 mg/kg	DAY ON TEST																									ANIMAL ID	males (cont...)											
	0 7 3 2	0 5 8 2	0 6 7 3	0 7 3 1	0 6 8 2	0 7 3 1	0 7 3 0	0 6 9 4	0 5 7 3	0 7 3 2	0 6 3 1	0 7 3 2	0 7 3 1	0 7 3 0	0 6 1 6	0 6 3 0	0 6 9 2	0 6 5 8	0 7 3 0	0 6 8 2	0 7 1 4	0 7 3 1	0 7 3 1	0 7 3 2	0 7 3 2													
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												
Skin Ulcer	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+											
<b>MUSCULOSKELETAL SYSTEM</b>																																						
Bone	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+											
<b>NERVOUS SYSTEM</b>																																						
Brain Meninges, Inflammation, Chronic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		1									
<b>RESPIRATORY SYSTEM</b>																																						
Lung Infiltration Cellular, Histiocyte Inflammation, Chronic Pigmentation, Hemosiderin Alveolar Epithelium, Hyperplasia	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	3	2	2	1							
Nose Foreign Body Inflammation Polyp, Inflammatory Nerve, Olfactory Epithelium, Atrophy Olfactory Epithelium, Accumulation, Hyaline Droplet Olfactory Epithelium, Atrophy Olfactory Epithelium, Degeneration	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	X	1	1	2	2	1	1	2	1	2	1

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<b>B6C3F1 MICE MALE</b>	<b>DAY ON TEST</b>	[0-9]																				<b>males (cont...)</b>					
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0				
<b>62.5 mg/kg</b>		7	5	6	7	6	7	7	6	5	7	6	7	7	7	6	6	6	7	6	7	7	7	7	7	7	
		3	8	7	3	8	3	3	9	7	3	3	3	0	3	1	3	9	5	3	8	1	3	3	3	3	
		2	2	3	1	2	1	0	4	2	1	2	1	0	6	0	2	8	0	2	4	1	1	2	2	2	
	<b>ANIMAL ID</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		0	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	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	
	Olfactory Epithelium, Respiratory Metaplasia																										
	Respiratory Epithelium, Accumulation, Hyaline Droplet	1								1	1	1	1	2	1	1	1	1	1	1	1	1	1	3	1	1	1
	Respiratory Epithelium, Hyperplasia	1	1							1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	2	1	
	Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	

**SPECIAL SENSES SYSTEM**

Eye	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Phthisis Bulbi																										
Anterior Chamber, Inflammation, Suppurative																										
Cornea, Inflammation, Suppurative																										
Cornea, Inflammation, Chronic																										
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hyperplasia																										
Inflammation, Suppurative																										
Inflammation, Chronic																										

**URINARY SYSTEM**

Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Infarct	3																									2	
Inflammation, Acute			3																								2
Metaplasia, Osseous			1																								
Mineralization																											2
Nephropathy	3	1	1	2	1	1	1	1	1	1	2	1	1	1	1	1	1	4	2	1	1	1	1	1	2		
Thrombosis	X																										
Pelvis, Inflammation, Suppurative																											
Renal Tubule, Cyst																											

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<b>B6C3F1 MICE MALE</b>	DAY ON TEST	07	05	06	07	06	07	07	06	05	07	06	07	07	07	07	06	06	07	06	07	07	07	07	07	07	07	07	07	07	07
	ANIMAL ID	03	08	07	03	08	03	03	09	07	03	03	03	00	03	01	03	09	05	03	08	01	03	03	03	03	03	03	03	03	03
	62.5 mg/kg	02	02	03	01	02	01	00	04	03	02	01	02	01	00	06	00	02	08	00	02	04	01	01	01	02	03	03	03	03	
	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
	05	05	05	05	05	05	05	05	05	06	06	06	06	06	06	06	06	06	06	07	07	07	07	07	07	07	07	07	07	07	
	01	02	03	04	05	06	07	08	09	00	01	02	03	04	05	06	07	08	09	00	01	02	03	04	05	06	07	08	09	00	

males  
(cont...)

Renal Tubule, Pigmentation

Urethra Inflammation, Acute + 3

Urinary Bladder Hemorrhage Inflammation, Chronic +

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Date Report Requested: 06/15/2012

Time Report Requested: 12:41:18

First Dose M/F: 04/03/07 / 04/02/07

Lab: BAT

B6C3F1 MICE MALE 62.5 mg/kg	DAY ON TEST																				* TOTALS			
	0732	0731	0772	0779	0772	0770	0772	0772	0771	0772	0771	0771	0764	0772	0771	0771	0773	0773	0773	0773		0766	0773	
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	
	Preputial Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Cyst																								
Inflammation, Granulomatous			1				2						2				2							10 1.9 2 1.5
Prostate	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Seminal Vesicle	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Testes	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
<b>HEMATOPOIETIC SYSTEM</b>																								
Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Lymph Node																								2
Pancreatic, Necrosis																								1 4.0
Lymph Node, Mandibular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Hyperplasia, Lymphoid																	4							1 4.0
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Hematopoietic Cell Proliferation				4		3	2		2			2			1		3		2					16 2.3
Thymus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	47
Atrophy	2	3	2	1	1	4	3	3	1	2	3	3	4	1	3	4		3	3	2	2	2	2	44 2.7
Ectopic Parathyroid Gland																								1 1.0
<b>INTEGUMENTARY SYSTEM</b>																								

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 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: 20006 - 04  
Test Type: CHRONIC  
Route: GAVAGE  
Species/Strain: MICE/B6C3F1

**P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**  
Indole-3-carbinol  
CAS Number: 700-06-1

Date Report Requested: 06/15/2012  
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First Dose M/F: 04/03/07 / 04/02/07  
Lab: BAT

B6C3F1 MICE MALE 62.5 mg/kg	DAY ON TEST																										
	0732	0731	0732	0730	0731	0732	0733	0733	0731	0732	0732	0731	0731	0733	0733	0732	0733	0733	0731	0732	0732	0733	0733	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	
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	0	
Skin Ulcer		+	+	+	+	+	+	+	+	+	+	+	+	+	3	3	+	+	+	+	+	+	+	+	+	50 2 3.0	
<b>MUSCULOSKELETAL SYSTEM</b>																											
Bone		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
<b>NERVOUS SYSTEM</b>																											
Brain Meninges, Inflammation, Chronic		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50 1 1.0	
<b>RESPIRATORY SYSTEM</b>																											
Lung		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Infiltration Cellular, Histiocyte Inflammation, Chronic																					2					2 1 2.0	
Pigmentation, Hemosiderin																										1 2.0	
Alveolar Epithelium, Hyperplasia										1	1											1				4 1.0	
Nose		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Foreign Body																										1	
Inflammation		1						1							1							1				11 1.2	
Polyp, Inflammatory																										2 1.5	
Nerve, Olfactory Epithelium, Atrophy												2														1 2.0	
Olfactory Epithelium, Accumulation, Hyaline Droplet														1												4 1.3	
Olfactory Epithelium, Atrophy															2									1		5 1.6	
Olfactory Epithelium, Degeneration																										1 1.0	

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Experiment Number: 20006 - 04

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Indole-3-carbinol  
CAS Number: 700-06-1

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Time Report Requested: 12:41:18

First Dose M/F: 04/03/07 / 04/02/07

Lab: BAT

B6C3F1 MICE MALE 62.5 mg/kg	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	* TOTALS
		7	7	7	7	7	7	7	7	7	7	7	7	6	7	7	3	7	7	7	7	7	7	6	7	
		3	3	3	0	3	1	3	3	3	3	3	0	3	1	8	3	3	3	3	3	3	1	3		
		2	1	2	9	2	0	2	2	1	2	2	1	4	2	1	1	2	1	1	2	2	0	6		
	ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	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			
Renal Tubule, Pigmentation																								2	1 2.0	
Urethra																								1	1 3.0	
Urinary Bladder																								50		
Hemorrhage																									1 2.0	
Inflammation, Chronic																								1	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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Experiment Number: 20006 - 04

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Indole-3-carbinol

CAS Number: 700-06-1

Date Report Requested: 06/15/2012

Time Report Requested: 12:41:18

First Dose M/F: 04/03/07 / 04/02/07

Lab: BAT

B6C3F1 MICE MALE 125 mg/kg	DAY ON TEST																					males (cont...)	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0
	6	6	6	7	7	7	7	7	7	1	7	7	5	7	7	7	7	6	7	7	7		7
ANIMAL ID	1	8	3	3	1	3	3	3	3	3	3	9	3	3	3	3	5	1	3	3	3	3	
	0	6	7	1	7	1	1	1	1	3	0	2	6	0	2	2	1	5	6	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
	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	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	
Seminal Vesicle	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Testes	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Germinal Epithelium, Atrophy									1	1													
<b>HEMATOPOIETIC SYSTEM</b>																							
Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Lymph Node, Mandibular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Accessory Spleen																							
Hematopoietic Cell Proliferation			2							2	3	3			2		3			1	1	2	
Thymus	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	
Atrophy	4	4	4	2	4		2	3	4	4			4	4	4	2	2	3	4		2	2	
<b>INTEGUMENTARY SYSTEM</b>																							
Mammary Gland	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Ulcer																				3	3		
Subcutaneous Tissue, Inflammation, Acute												3											
Subcutaneous Tissue, Inflammation, Chronic																					3		
<b>MUSCULOSKELETAL SYSTEM</b>																							

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<b>B6C3F1 MICE MALE</b>	DAY ON TEST	0610	0667	0677	0777	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	0010	0011	0012	0013	0014	0015	0016	0017	0018	0019	0020	0021	0022	0023	0024	0025	0026	0027	0028	0029	0030	0031	0032	0033	0034	0035	0036	0037	0038	0039	0040	0041	0042	0043	0044

males (cont...)

Bone Hyperostosis +

Skeletal Muscle +

**NERVOUS SYSTEM**

Brain +

**RESPIRATORY SYSTEM**

Lung Inflammation, Chronic +

Lung Thrombosis 1

Lung Alveolar Epithelium, Hyperplasia 2 1 1

Lung Mediastinum, Inflammation, Granulomatous 4

Nose Inflammation +

Nose Polyp, Inflammatory 1 1 1 1 2 1

Nose Respiratory Metaplasia 1 1

Nose Olfactory Epithelium, Accumulation, Hyaline Droplet 1 1

Nose Olfactory Epithelium, Atrophy 1 1 1 3 1 1

Nose Olfactory Epithelium, Degeneration 1 1 1 3

Nose Olfactory Epithelium, Respiratory Metaplasia 1 1 1 1 1 1 3 1 2

Nose Respiratory Epithelium, Accumulation, Hyaline Droplet 1 1 1 1 1 1 2 1 1 1 1 1 1 1 1 1 1

Nose Respiratory Epithelium, Hyperplasia 1 1 1 1 1 1 2 1 2 1 1 1 1 2 1 1 1 1 2

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<b>B6C3F1 MICE MALE</b>	DAY ON TEST	0 7 3 2	0 7 3 1	0 5 9 8	0 7 3 1	0 6 3 7	0 6 1 7	0 7 3 2	0 7 3 2	0 5 8 0	0 6 5 5	0 7 3 2	0 7 3 0	0 7 3 1	0 6 9 5	0 7 3 1	0 7 3 2	0 5 6 7	0 7 3 2	0 7 3 1	0 7 3 1	0 7 3 2	0 7 3 2	<b>* TOTALS</b>
	125 mg/kg	0 0 1 2 6	0 0 1 2 7	0 0 1 2 8	0 0 1 2 9	0 0 1 3 0	0 0 1 3 1	0 0 1 3 2	0 0 1 3 3	0 0 1 3 4	0 0 1 3 5	0 0 1 3 6	0 0 1 3 7	0 0 1 3 8	0 0 1 4 9	0 0 1 4 0	0 0 1 4 1	0 0 1 4 2	0 0 1 4 3	0 0 1 4 4	0 0 1 4 5	0 0 1 4 6	0 0 1 4 7	

**ALIMENTARY SYSTEM**

Esophagus Mineralization	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	1	2.0	
Gallbladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49		
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50		
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50		
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50		
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50		
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50		
Intestine Small, Jejunum Peyer's Patch, Hyperplasia	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49	1	2.0
Liver	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49		
Basophilic Focus			X																							2		
Clear Cell Focus		X				X	X	X		X			X	X	X		X		X	X		X				22		
Eosinophilic Focus	X	X		X	X	X	X		X	X		X	X		X	X		X	X	X	X	X				35		
Fatty Change	1	1		1	1	1	2	2		1			2	1	2	2	1		2	1	1	1	2			28	1.5	
Mixed Cell Focus																			X	X						6		
Necrosis				2								2														2	2.0	
Mesentery Fat, Necrosis																										2		1.5

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	0732	0733	0738	0739	0731	0732	0733	0738	0735	0736	0737	0737	0737	0736	0737	0737	0733	0733	0739	0736	0737	0735		0737	0737	0737	0737	0733	0733	0732	0732			
	0012	0017	0018	0019	0010	0010	0010	0010	0010	0010	0010	0010	0010	0010	0010	0010	0010	0010	0010	0010	0010	0010		0010	0010	0010	0010	0010	0010	0010	0010			
Hypertrophy																														2	2	2	2.0	
Adrenal Medulla Hyperplasia	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	1	1.0
Islets, Pancreatic Hyperplasia	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	1	3.0
Parathyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48			
Pituitary Gland Cyst	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	1	1.0
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50		

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

Epididymis Infiltration Cellular, Mononuclear Cell	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	3	1.0			
Preputial Gland Cyst	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	6	2.0			
Prostate Hyperplasia Inflammation, Suppurative	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	1	1.0			
																																			1	2.0

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	0732	0733	0739	0731	0733	0737	0732	0732	0730	0735	0736	0737	0737	0737	0736	0737	0737	0733	0739	0733	0736	0732	0737	0737		0737	0737	0737	0733	0733	0732	0732	
ANIMAL ID	0012	0001	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	0000	0000	0000	0000		
	Seminal Vesicle	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Testes	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50		
Germinal Epithelium, Atrophy																															3	1.3	
<b>HEMATOPOIETIC SYSTEM</b>																																	
Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50		
Lymph Node, Mandibular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50		
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49		
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50		
Accessory Spleen				X																											1		
Hematopoietic Cell Proliferation				3	1		1		1		2	2	1	2	1		2					1	2								24	1.8	
Thymus	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	46		
Atrophy	2	2	4	2	2	3		2	2	4	4	3	4	4		3	2	4	4	4	4	2	2	4	4	2					45	3.0	
<b>INTEGUMENTARY SYSTEM</b>																																	
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	M	M	M	M	0		
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50		
Ulcer																																3	3.0
Subcutaneous Tissue, Inflammation, Acute																																1	3.0
Subcutaneous Tissue, Inflammation, Chronic																																2	2.5
<b>MUSCULOSKELETAL SYSTEM</b>																																	

\* .. 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 MICE MALE	DAY ON TEST																								* TOTALS		
	0732	0733	0739	0733	0733	0731	0733	0733	0738	0735	0736	0737	0737	0737	0736	0737	0737	0739	0733	0736	0733	0733	0733	0733		0733	0733
125 mg/kg	ANIMAL ID																										
	0001	0001	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

Bone Hyperostosis	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	1	1.0	
Skeletal Muscle			+																									2		

**NERVOUS SYSTEM**

Brain	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50		
-------	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	----	--	--

**RESPIRATORY SYSTEM**

Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50		
Inflammation, Chronic																											1	1.0
Thrombosis												X															1	
Alveolar Epithelium, Hyperplasia								1								2											5	1.4
Mediastinum, Inflammation, Granulomatous																											1	4.0
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50		
Inflammation		1							1				1					1							1	12	1.1	
Polyp, Inflammatory		1																								3	1.0	
Respiratory Metaplasia																									2	1	2.0	
Olfactory Epithelium, Accumulation, Hyaline Droplet		1									1									1						5	1.0	
Olfactory Epithelium, Atrophy		2								2	1							1	1							11	1.4	
Olfactory Epithelium, Degeneration																			1							4	1.8	
Olfactory Epithelium, Respiratory Metaplasia	2			2					1	1		2						1	1					2	20	1.5		
Respiratory Epithelium, Accumulation, Hyaline Droplet	1	2				1		1	1	1	1	1	1					1	1				1		30	1.1		
Respiratory Epithelium, Hyperplasia	2	2	1	2	1	1		1	2		2	1	1	1	1	1	1	1		1	1	1	2	1	41	1.2		

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade  
+ .. Tissue examined microscopically  
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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: 20006 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

**P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**  
 Indole-3-carbinol  
 CAS Number: 700-06-1

Date Report Requested: 06/15/2012  
 Time Report Requested: 12:41:18  
 First Dose M/F: 04/03/07 / 04/02/07  
 Lab: BAT

B6C3F1 MICE MALE 125 mg/kg	DAY ON TEST																									* TOTALS	
	0732	0731	0738	0731	0737	0736	0737	0737	0735	0736	0737	0737	0737	0736	0737	0737	0737	0736	0737	0735	0737	0737	0737	0737	0737		
ANIMAL ID	00126	00107	00100	00100	00100	00100	00100	00100	00100	00100	00100	00100	00100	00100	00100	00100	00100	00100	00100	00100	00100	00100	00100	00100	00100		
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50		
<b>SPECIAL SENSES SYSTEM</b>																											
Eye	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50		
Cornea, Inflammation, Chronic																									2 1.5		
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50		
Hyperplasia																									5 2.0		
<b>URINARY SYSTEM</b>																											
Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50		
Metaplasia, Osseous Mineralization																									1 1.0		
Nephropathy																									1 1.0		
Pelvis, Inflammation, Suppurative																									45 1.5		
Renal Tubule, Cyst																									1 2.0		
Renal Tubule, Hyperplasia																									1 1.0		
Renal Tubule, Pigmentation																									1 3.0		
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50		

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Experiment Number: 20006 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL  
 Indole-3-carbinol  
 CAS Number: 700-06-1

Date Report Requested: 06/15/2012  
 Time Report Requested: 12:41:18  
 First Dose M/F: 04/03/07 / 04/02/07  
 Lab: BAT

B6C3F1 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
		7	7	7	7	7	7	7	7	7	7	7	7	7	7	6	7	6	7	5	7	7	7	7	7	5
250 mg/kg	ANIMAL ID	3	3	3	3	3	3	2	3	3	3	3	3	3	3	9	3	5	3	9	3	3	3	3	3	
		2	0	1	1	1	0	1	2	2	2	2	1	1	2	4	0	3	2	6	1	2	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	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	
		5	5	5	5	5	5	5	5	6	6	6	6	6	6	6	6	6	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		

**males (cont...)**

**ALIMENTARY SYSTEM**

Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Gallbladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+
Atrophy																1								
Inflammation, Suppurative																								
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Ulcer																								
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Inflammation, Chronic																								
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Ulcer																								
Epithelium, Atrophy																								
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Peyer's Patch, Hyperplasia																								
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Basophilic Focus																X				X				
Clear Cell Focus	X	X	X				X		X	X					X	X	X		X			X	X	X
Eosinophilic Focus		X	X	X	X	X			X	X	X	X			X	X	X		X			X	X	X
Fatty Change	1	1	2	2	2	2	2	2	2	2				1	1	1	2		2	2	1	2	1	1
Hepatodiaphragmatic Nodule																								2

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 + .. Tissue examined microscopically  
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 I .. Insufficient tissue  
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 BLANK .. Not examined microscopically  
 1-4 .. Lesion qualified as:  
 1) Minimal 3) Moderate  
 2) Mild 4) Marked

B6C3F1 MICE MALE 250 mg/kg	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	7	7	7	7	7	7	7	7	7	7	6	7	6	7	5	7	7	7	7		5
		3	3	3	3	3	3	2	3	3	3	3	3	3	3	9	3	5	3	9	3	3	3	3	1		
		2	0	1	1	1	0	0	1	2	2	2	2	1	1	2	4	0	3	2	6	1	2	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		
	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		
		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	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	
Inflammation, Chronic Mixed Cell Focus Necrosis Artery, Thrombosis				X					2												X						
Bile Duct, Hyperplasia Oval Cell, Hyperplasia Periportal, Fibrosis																											
Mesentery Fat, Necrosis																											
Oral Mucosa																											
Pancreas Inflammation, Chronic																											
Salivary Glands Infiltration Cellular, Mononuclear Cell																											
Stomach, Forestomach Inflammation, Chronic Ulcer Epithelium, Hyperplasia																											
Stomach, Glandular Inflammation, Chronic Pigmentation Epithelium, Atrophy Epithelium, Hyperplasia																											
Tooth																											

\* .. 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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A .. Autolysis precludes evaluation  
BLANK .. Not examined microscopically  
1-4 .. Lesion qualified as:  
1) Minimal 3) Moderate  
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Experiment Number: 20006 - 04

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Indole-3-carbinol

CAS Number: 700-06-1

Date Report Requested: 06/15/2012

Time Report Requested: 12:41:18

First Dose M/F: 04/03/07 / 04/02/07

Lab: BAT

<b>B6C3F1 MICE MALE</b>	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	<b>males</b> <b>(cont...)</b>
		7	7	7	7	7	7	7	7	7	7	7	7	7	6	7	6	7	5	7	7	7	7	7	5	
<b>250 mg/kg</b>		3	3	3	3	3	3	2	3	3	3	3	3	3	9	3	5	3	9	3	3	3	3	3		
		2	0	1	1	1	0	1	2	2	2	2	1	1	2	4	0	3	2	6	1	2	2	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		
		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	6	6	6	6	6	6	6	6	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		
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	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		

NONE

GENITAL SYSTEM

Epididymis	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Angiectasis																							
Granuloma Sperm													3										
Infiltration Cellular, Mononuclear Cell									1											1			
Preputial Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Cyst															2			2	2	2		2	
Inflammation, Granulomatous									2		2												
Prostate	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hyperplasia																				2			
Inflammation, Chronic																					1		
Seminal Vesicle	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Testes	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Germinal Epithelium, Atrophy										2							2					2	

HEMATOPOIETIC SYSTEM

Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymph Node		+																					
Mediastinal, Hyperplasia																							
Pancreatic, Inflammation																							
Renal, Inflammation																							

\* .. 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: 20006 - 04

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Indole-3-carbinol  
CAS Number: 700-06-1

Date Report Requested: 06/15/2012

Time Report Requested: 12:41:18

First Dose M/F: 04/03/07 / 04/02/07

Lab: BAT

B6C3F1 MICE MALE 250 mg/kg	DAY ON TEST	0																				males (cont...)					
		7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	6	7	6	7	5		7	7	7	7	5
	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
Lymph Node, Mandibular Hyperplasia, Lymphoid		3	3	3	3	3	3	3	2	3	3	3	3	3	3	3	9	3	5	3	9	3	3	3	3	1	
Lymph Node, Mesenteric Hyperplasia, Lymphoid Inflammation		2	0	1	1	1	0	0	1	2	2	2	2	1	1	2	4	0	3	2	6	1	2	2	1	1	
Spleen Atrophy		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Hematopoietic Cell Proliferation		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	
Thymus Atrophy		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	
Ectopic Parathyroid Gland		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	
<b>INTEGUMENTARY SYSTEM</b>																											
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 Ulcer		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
<b>MUSCULOSKELETAL SYSTEM</b>																											
Bone Hyperostosis		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
<b>NERVOUS SYSTEM</b>																											
Brain		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	

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BLANK .. Not examined microscopically  
1-4 .. Lesion qualified as:  
1) Minimal 3) Moderate  
2) Mild 4) Marked



Experiment Number: 20006 - 04  
Test Type: CHRONIC  
Route: GAVAGE  
Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL  
Indole-3-carbinol  
CAS Number: 700-06-1

Date Report Requested: 06/15/2012  
Time Report Requested: 12:41:18  
First Dose M/F: 04/03/07 / 04/02/07  
Lab: BAT

B6C3F1 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	
		7	7	7	7	7	7	7	7	7	7	7	7	7	6	7	6	7	5	7	7	7	7	7	5	7	
250 mg/kg	ANIMAL ID	3	3	3	3	3	3	2	3	3	3	3	3	3	3	9	3	5	3	9	3	3	3	3	1	1	
		2	0	1	1	1	0	0	1	2	2	2	2	1	1	2	4	0	3	2	6	1	2	2	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	1	1	1

males  
(cont...)

Optic Nerve, Infiltration Cellular, Mononuclear Cell

2

Harderian Gland Hyperplasia

+ +

URINARY SYSTEM

Kidney

+ +

Inflammation, Chronic Metaplasia, Osseous

2

Mineralization

1 1

Nephropathy

2 2 1 1 2 1 1 1 1 1 1 1 1 1 4 1 3 1 1 1 1 2 2 1

Papilla, Necrosis

Renal Tubule, Cyst

1

Renal Tubule, Pigmentation

2

Urinary Bladder

+ +

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+ .. Tissue examined microscopically  
X .. Lesion present  
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Experiment Number: 20006 - 04  
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 Indole-3-carbinol  
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Date Report Requested: 06/15/2012  
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 First Dose M/F: 04/03/07 / 04/02/07  
 Lab: BAT

| B6C3F1 MICE MALE | DAY ON TEST |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       | * TOTALS |
|------------------|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------|
|                  | 0616        | 0771  | 0773  | 0775  | 0783  | 0785  | 0787  | 0856  | 0866  | 0877  | 0879  | 0944  | 0977  | 0983  | 0985  | 0987  | 0996  | 0997  | 0999  | 1066  | 1077  | 1079  | 1086  | 1087  |       |          |
| 250 mg/kg        | ANIMAL ID   |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          |
|                  | 00176       | 00077 | 00078 | 00079 | 00110 | 00111 | 00112 | 00113 | 00114 | 00115 | 00116 | 00117 | 00118 | 00119 | 00120 | 00121 | 00122 | 00123 | 00124 | 00125 | 00126 | 00127 | 00128 | 00129 | 00130 |          |
|                  | 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     |          |

### ALIMENTARY SYSTEM

|                            |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |        |
|----------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--------|
| Esophagus                  | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50     |
| Gallbladder                | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48     |
| Atrophy                    |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1 1.0  |
| Inflammation, Suppurative  | 1 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1 1.0  |
| Intestine Large, Cecum     | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50     |
| Ulcer                      | 4 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1 4.0  |
| Intestine Large, Colon     | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50     |
| Inflammation, Chronic      | 3 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1 3.0  |
| Intestine Large, Rectum    | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50     |
| Intestine Small, Duodenum  | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50     |
| Ulcer                      | 4 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1 4.0  |
| Epithelium, Atrophy        | 3 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1 3.0  |
| Intestine Small, Ileum     | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50     |
| Intestine Small, Jejunum   | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50     |
| Peyer's Patch, Hyperplasia | 2 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1 2.0  |
| Liver                      | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50     |
| Basophilic Focus           | X |   | X |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | X |   | 5      |
| Clear Cell Focus           |   | X |   | X |   |   | X | X |   |   |   |   | X |   |   | X |   |   | X |   |   |   | X |   | 20     |
| Eosinophilic Focus         |   | X |   | X |   | X | X | X |   |   | X | X | X | X |   | X | X |   | X | X | X | X | X |   | 33     |
| Fatty Change               | 2 | 2 | 1 | 1 | 1 | 1 | 2 | 2 |   |   | 2 |   | 2 |   | 1 | 1 |   |   |   | 1 |   | 1 | 2 |   | 37 1.6 |
| Hepatodiaphragmatic Nodule |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 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: 20006 - 04

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Indole-3-carbinol

CAS Number: 700-06-1

Date Report Requested: 06/15/2012

Time Report Requested: 12:41:18

First Dose M/F: 04/03/07 / 04/02/07

Lab: BAT

| B6C3F1 MICE MALE<br>250 mg/kg   | DAY ON TEST |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | * TOTALS |    |     |
|---|-------------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----------|----|-----|
|   | 06          | 07 | 07 | 07 | 03 | 07 | 07 | 05 | 06 | 06 | 07 | 06 | 07 | 04 | 07 | 04 | 07 | 07 | 06 | 07 | 06 | 07 | 06 | 07 |          |    |     |
| ANIMAL ID   | 00          | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 |          |    |     |
| Inflammation, Chronic Mixed Cell Focus  |             |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 3        | 1  | 3.0 |
| Necrosis  |             |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 2        | 2  | 2.0 |
| Artery, Thrombosis  |             |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |          | 1  |     |
| Bile Duct, Hyperplasia  |             |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 3        | 1  | 3.0 |
| Oval Cell, Hyperplasia  |             |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 3        | 1  | 2.0 |
| Periportal, Fibrosis  |             |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |          | 1  | 3.0 |
| Mesentery Fat, Necrosis   |             |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |          | 2  |     |
|   |             |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |          | 2  | 2.0 |
| Oral Mucosa   |             |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |          | 2  |     |
| Pancreas Inflammation, Chronic  |             |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |          | 50 |     |
|   |             |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 3        | 2  | 3.5 |
| Salivary Glands Infiltration Cellular, Mononuclear Cell   |             |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |          | 50 |     |
|   |             |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 1        | 22 | 1.0 |
| Stomach, Forestomach Inflammation, Chronic Ulcer Epithelium, Hyperplasia                          |             |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |          | 50 |     |
|   |             |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |          | 1  | 2.0 |
|   |             |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |          | 1  | 2.0 |
|   |             |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 3        | 2  | 2.5 |
| Stomach, Glandular Inflammation, Chronic Pigmentation Epithelium, Atrophy Epithelium, Hyperplasia |             |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |          | 49 |     |
|   |             |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 1        | 45 | 1.0 |
|   |             |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 1        | 48 | 1.1 |
|   |             |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 3        | 1  | 3.0 |
|   |             |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 1        | 40 | 1.5 |
| Tooth   |             |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |          | 32 |     |

\* .. 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: 20006 - 04

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Indole-3-carbinol

CAS Number: 700-06-1

Date Report Requested: 06/15/2012

Time Report Requested: 12:41:18

First Dose M/F: 04/03/07 / 04/02/07

Lab: BAT

|                         |             |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                 |
|-------------------------|-------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------|
| <b>B6C3F1 MICE MALE</b> | DAY ON TEST | 0<br>6<br>1<br>6      | 0<br>7<br>3<br>2      | 0<br>7<br>3<br>2      | 0<br>7<br>3<br>0      | 0<br>3<br>8<br>5      | 0<br>7<br>3<br>2      | 0<br>7<br>3<br>0      | 0<br>5<br>6<br>8      | 0<br>6<br>3<br>1      | 0<br>6<br>3<br>7      | 0<br>7<br>3<br>2      | 0<br>6<br>8<br>6      | 0<br>7<br>3<br>5      | 0<br>4<br>9<br>2      | 0<br>7<br>3<br>7      | 0<br>4<br>3<br>5      | 0<br>1<br>1<br>0      | 0<br>7<br>3<br>0      | 0<br>6<br>9<br>0      | 0<br>7<br>3<br>0      | 0<br>6<br>1<br>7      | 0<br>7<br>3<br>2      | 0<br>7<br>3<br>1      | 0<br>6<br>7<br>1      | 0<br>7<br>1<br>6      | <b>* TOTALS</b> |
|                         | ANIMAL ID   | 0<br>0<br>1<br>7<br>6 | 0<br>0<br>1<br>7<br>7 | 0<br>0<br>1<br>7<br>8 | 0<br>0<br>1<br>7<br>8 | 0<br>0<br>1<br>8<br>8 | 0<br>0<br>1<br>8<br>8 | 0<br>0<br>1<br>8<br>8 | 0<br>0<br>1<br>8<br>8 | 0<br>0<br>1<br>8<br>8 | 0<br>0<br>1<br>8<br>8 | 0<br>0<br>1<br>8<br>8 | 0<br>0<br>1<br>8<br>8 | 0<br>0<br>1<br>8<br>8 | 0<br>0<br>1<br>9<br>9 | 0<br>0<br>1<br>9<br>9 | 0<br>0<br>1<br>9<br>9 | 0<br>0<br>1<br>9<br>9 | 0<br>0<br>1<br>9<br>9 | 0<br>0<br>1<br>9<br>9 | 0<br>0<br>1<br>9<br>9 | 0<br>0<br>1<br>9<br>9 | 0<br>0<br>1<br>9<br>9 | 0<br>0<br>1<br>9<br>9 | 0<br>0<br>1<br>9<br>9 | 0<br>0<br>2<br>0<br>0 |                 |
| Dysplasia               |             | 3                     | 1                     | 3                     | 1                     | 1                     | 1                     | 2                     |                       | 1                     | 2                     | 2                     |                       | 2                     |                       | 1                     | 1                     | 3                     |                       | 1                     | 1                     |                       |                       |                       |                       |                       | <b>32 1.6</b>   |

CARDIOVASCULAR SYSTEM

|                            |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |              |
|----------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--------------|
| Blood Vessel               | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | <b>49</b>    |
| Heart                      | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | <b>50</b>    |
| Cardiomyopathy             |   |   | 1 |   |   |   |   | 1 |   |   |   |   |   | 1 |   |   | 1 |   |   |   |   | 2 |   |   |   |   |   | <b>8 1.1</b> |
| Myocardium, Mineralization |   |   |   |   |   |   |   |   |   |   |   |   |   | 1 |   |   |   |   |   |   |   |   |   |   |   |   |   | <b>1 1.0</b> |
| Valve, Inflammation        |   |   |   |   |   |   |   |   |   |   | 4 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | <b>1 4.0</b> |

ENDOCRINE SYSTEM

|  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |           |                              |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|------------------------------|
| Adrenal Cortex Hyperplasia                                 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | <b>50</b> | <b>1 2.0</b>                 |
| Adrenal Medulla Hyperplasia                                | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | <b>50</b> | <b>2 1.0</b>                 |
| Islets, Pancreatic   | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | <b>50</b> |                              |
| Parathyroid Gland  | + | + | + | + | + | + | M | + | + | + | M | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | <b>44</b> |                              |
| Pituitary Gland Cyst                                       | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | <b>50</b> | <b>1 1.0</b>                 |
| Thyroid Gland Inflammation, Chronic Follicle, Degeneration | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | <b>50</b> | <b>1 3.0</b><br><b>1 2.0</b> |

GENERAL BODY 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: 20006 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

**P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**  
 Indole-3-carbinol  
 CAS Number: 700-06-1

Date Report Requested: 06/15/2012  
 Time Report Requested: 12:41:18  
 First Dose M/F: 04/03/07 / 04/02/07  
 Lab: BAT

| B6C3F1 MICE MALE | DAY ON TEST | 0 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | * TOTALS |   |   |   |   |   |  |
|------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----------|---|---|---|---|---|--|
|                  |             | 6 | 7 | 7 | 7 | 3 | 7 | 7 | 5 | 6 | 6 | 7 | 6 | 7 | 4 | 7 | 4 | 7 | 7 | 6 | 7 |          | 6 | 7 | 6 | 7 |   |  |
| 250 mg/kg        | ANIMAL ID   | 1 | 3 | 3 | 3 | 8 | 3 | 3 | 8 | 3 | 3 | 3 | 8 | 3 | 9 | 3 | 3 | 1 | 3 | 9 | 3 | 1        | 3 | 3 | 7 | 1 | 6 |  |
|                  |             | 6 | 2 | 2 | 0 | 5 | 2 | 0 | 6 | 1 | 7 | 2 | 6 | 2 | 5 | 2 | 7 | 5 | 0 | 0 | 0 | 0        | 7 | 1 | 2 | 1 | 6 |  |
|                  |             | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0        | 0 | 0 | 0 | 0 | 0 |  |
|                  |             | 0 | 0 | 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 | 2 |  |
|                  |             | 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 | 0 |  |
|                  |             | 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 |   |  |

NONE

**GENITAL SYSTEM**

|   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |    |       |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|----|-------|
| Epididymis                              | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |    |       |
| Angiectasis                             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    | 4  | 1 4.0 |
| Granuloma Sperm                         |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |    | 1 3.0 |
| Infiltration Cellular, Mononuclear Cell |   |   |   |   | 1 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1 | 1 |    |    | 5 1.0 |
| Preputial Gland                         | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |    |       |
| Cyst                                    |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    | 2  | 6 2.0 |
| Inflammation, Granulomatous             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |    | 2 2.0 |
| Prostate                                | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |    |       |
| Hyperplasia                             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |    | 1 2.0 |
| Inflammation, Chronic                   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |    | 1 1.0 |
| Seminal Vesicle                         | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |    |       |
| Testes                                  | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | +  | 50 |       |
| Germinal Epithelium, Atrophy            |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |    | 3 2.0 |

**HEMATOPOIETIC SYSTEM**

|                          |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |   |   |       |
|--------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|---|---|-------|
| Bone Marrow              | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |   |   |       |
| Lymph Node               |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    | 4 |   |       |
| Mediastinal, Hyperplasia |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |   | 3 | 1 3.0 |
| Pancreatic, Inflammation |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |   | 4 | 1 4.0 |
| Renal, Inflammation      |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |   | 3 | 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: 20006 - 04

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Date Report Requested: 06/15/2012

Test Type: CHRONIC

Indole-3-carbinol

Time Report Requested: 12:41:18

Route: GAVAGE

CAS Number: 700-06-1

First Dose M/F: 04/03/07 / 04/02/07

Species/Strain: MICE/B6C3F1

Lab: BAT

| B6C3F1 MICE MALE<br>250 mg/kg                                   | 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               |               |  |  |
|---|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---------------|-----------------|---------------|--|--|
|   | ANIMAL ID   | 6 | 7 | 7 | 7 | 3 | 7 | 7 | 5 | 6 | 6 | 7 | 6 | 7 | 4 | 7 | 4 | 7 | 7 | 6 | 7 | 6 | 7 | 7 | 6             | 7               |               |  |  |
|   |             | 1 | 3 | 3 | 3 | 8 | 3 | 3 | 8 | 3 | 3 | 3 | 8 | 3 | 9 | 3 | 3 | 1 | 3 | 9 | 3 | 1 | 3 | 3 | 7             | 6               |               |  |  |
|   |             | 6 | 2 | 2 | 0 | 5 | 2 | 0 | 6 | 1 | 7 | 2 | 6 | 2 | 5 | 2 | 7 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0             | 6               |               |  |  |
|   |             | 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             |                 |               |  |  |
|   |             | 7 | 7 | 7 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 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             | <b>* TOTALS</b> |               |  |  |
| Lymph Node, Mandibular<br>Hyperplasia, Lymphoid                 |             | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | <b>50</b>     |                 |               |  |  |
|   |             |   |   |   |   |   |   |   |   |   |   | 3 |   |   |   |   |   |   |   |   |   |   |   |   |               |                 | <b>1 3.0</b>  |  |  |
| Lymph Node, Mesenteric<br>Hyperplasia, Lymphoid<br>Inflammation |             | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | <b>50</b>     |                 |               |  |  |
|   |             | 1 |   |   |   |   |   |   |   |   |   |   | 3 |   |   |   |   |   |   |   |   |   |   |   |               |                 | <b>2 2.0</b>  |  |  |
|   |             |   |   |   |   |   |   |   |   |   |   | 4 |   |   |   |   |   |   |   |   |   |   |   |   |               |                 | <b>1 4.0</b>  |  |  |
| Spleen<br>Atrophy<br>Hematopoietic Cell Proliferation           |             | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | <b>50</b>     |                 |               |  |  |
|   |             | 1 |   |   | 2 |   |   |   | 2 |   |   | 4 |   | 4 | 3 |   |   |   | 2 |   | 2 |   |   | 1 |               |                 | <b>1 2.0</b>  |  |  |
|   |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | <b>20 2.1</b> |                 |               |  |  |
| Thymus<br>Atrophy<br>Ectopic Parathyroid Gland                  |             | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | M | + | + | + | <b>45</b>     |                 |               |  |  |
|   |             | 4 |   | 3 | 4 |   | 3 |   | 2 |   |   | 3 | 4 | 4 | 3 | 4 |   | 4 | 4 | 2 |   | 4 | 2 | 4 |               |                 | <b>39 3.3</b> |  |  |
|   |             |   | 1 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |               |                 | <b>1 1.0</b>  |  |  |
| <b>INTEGUMENTARY SYSTEM</b>                                     |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |               |                 |               |  |  |
| 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             |                 |               |  |  |
|   |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |               | <b>0</b>        |               |  |  |
| Skin<br>Ulcer   |             | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | <b>50</b>     |                 |               |  |  |
|   |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 3 |   |   |   |   |   |   |   |   |               |                 | <b>1 3.0</b>  |  |  |
| <b>MUSCULOSKELETAL SYSTEM</b>                                   |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |               |                 |               |  |  |
| Bone<br>Hyperostosis  |             | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | <b>50</b>     |                 |               |  |  |
|   |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1 |               |                 | <b>1 1.0</b>  |  |  |
| <b>NERVOUS SYSTEM</b>   |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |               |                 |               |  |  |
| Brain   |             | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | <b>50</b>     |                 |               |  |  |

\* .. 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: 20006 - 04

**P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**

Date Report Requested: 06/15/2012

Test Type: CHRONIC

Indole-3-carbinol

Time Report Requested: 12:41:18

Route: GAVAGE

CAS Number: 700-06-1

First Dose M/F: 04/03/07 / 04/02/07

Species/Strain: MICE/B6C3F1

Lab: BAT

|                         |             | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0               | 0 |
|-------------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------------|---|
| <b>B6C3F1 MICE MALE</b> | DAY ON TEST | 6 | 7 | 7 | 7 | 3 | 7 | 7 | 5 | 6 | 6 | 7 | 6 | 7 | 4 | 7 | 4 | 7 | 7 | 6 | 7 | 6               | 7 |
|                         |             | 1 | 3 | 3 | 3 | 8 | 3 | 3 | 8 | 3 | 3 | 3 | 8 | 3 | 9 | 3 | 3 | 1 | 3 | 9 | 3 | 1               | 3 |
|                         |             | 6 | 2 | 2 | 0 | 5 | 2 | 0 | 6 | 1 | 7 | 2 | 6 | 2 | 5 | 2 | 7 | 5 | 0 | 0 | 0 | 7               | 1 |
| <b>250 mg/kg</b>        | 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 |
|                         |             | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1               | 2 |
|                         | 7           | 7 | 7 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9               | 0 |
|                         | 6           | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7               | 8 |
|                         |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | <b>* TOTALS</b> |   |

**RESPIRATORY SYSTEM**

|   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |              |              |               |              |               |   |               |   |               |              |  |  |              |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--------------|--------------|---------------|--------------|---------------|---|---------------|---|---------------|--------------|--|--|--------------|
| Lung  | + |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |              | <b>50</b>    |               |              |               |   |               |   |               |              |  |  |              |
| Infiltration Cellular, Histiocyte                     |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 3 |   | <b>1 3.0</b> |              |               |              |               |   |               |   |               |              |  |  |              |
| Inflammation, Chronic                                 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 4 |   | <b>1 4.0</b> |              |               |              |               |   |               |   |               |              |  |  |              |
| Nose  | + |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |              | <b>50</b>    |               |              |               |   |               |   |               |              |  |  |              |
| Foreign Body  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | X | X | <b>3</b>     |              |               |              |               |   |               |   |               |              |  |  |              |
| Inflammation  | 2 |   |   |   |   |   |   |   | 2 |   | 1 | 1 |   |   |   |   |   |   |   | 2            | 2            | <b>16 1.4</b> |              |               |   |               |   |               |              |  |  |              |
| Polyp, Inflammatory                                   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |              | <b>1 2.0</b> |               |              |               |   |               |   |               |              |  |  |              |
| Nerve, Atrophy  | 3 |   |   | 2 |   |   |   |   |   |   |   | 2 | 2 |   |   |   |   |   |   |              | 1            |               | <b>8 2.0</b> |               |   |               |   |               |              |  |  |              |
| Olfactory Epithelium, Accumulation, Hyaline Droplet   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1 | 1 |              |              |               |              |               |   |               | 1 |               | <b>5 1.0</b> |  |  |              |
| Olfactory Epithelium, Atrophy                         | 2 | 1 | 1 | 3 |   |   |   |   | 1 | 1 | 1 | 1 |   |   |   | 3 |   |   |   |              |              |               |              | 1             | 1 | <b>17 1.5</b> |   |               |              |  |  |              |
| Olfactory Epithelium, Degeneration                    |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 2 |   |              | 2            |               | <b>2 2.0</b> |               |   |               |   |               |              |  |  |              |
| Olfactory Epithelium, Metaplasia, Squamous            |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 3 |   |              |              | 3             |              |               |   |               |   |               |              |  |  | <b>2 2.5</b> |
| Olfactory Epithelium, Necrosis                        |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |              | <b>6 2.2</b> |               |              |               |   |               |   |               |              |  |  |              |
| Olfactory Epithelium, Respiratory Metaplasia          | 2 |   |   |   |   |   |   |   | 1 | 1 | 3 | 1 | 1 | 2 | 1 | 1 |   |   |   |              |              |               |              | 2             | 1 | 1             | 1 | <b>27 1.4</b> |              |  |  |              |
| Respiratory Epithelium, Accumulation, Hyaline Droplet | 1 |   |   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 1 | 1 |   |   |   |   | 1 | 1            | 1            |               |              |               | 1 | <b>26 1.2</b> |   |               |              |  |  |              |
| Respiratory Epithelium, Hyperplasia                   |   |   | 1 | 1 | 1 | 1 | 1 | 3 | 1 | 1 | 3 | 1 | 1 | 2 | 1 | 1 | 1 | 1 | 1 | 1            | 1            | 1             | 1            | <b>45 1.3</b> |   |               |   |               |              |  |  |              |
| Respiratory Epithelium, Metaplasia, Squamous          |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 2 |   |              |              | 2             |              | <b>1 2.0</b>  |   |               |   |               |              |  |  |              |
| Respiratory Epithelium, Necrosis                      |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1 |   |              |              | 1             |              | <b>2 1.5</b>  |   |               |   |               |              |  |  |              |
| Trachea   | + |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |              | <b>50</b>    |               |              |               |   |               |   |               |              |  |  |              |

**SPECIAL SENSES SYSTEM**

|   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |              |           |  |
|---|---|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|---|--|--------------|-----------|--|
| Eye   | + |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |              | <b>50</b> |  |
| Anterior Chamber, Inflammation, Suppurative |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 4 |  | <b>1 4.0</b> |           |  |
| Cornea, Inflammation, Chronic               |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 2 |  | <b>1 2.0</b> |           |  |

\* .. 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: 20006 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

**P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**  
 Indole-3-carbinol  
 CAS Number: 700-06-1

Date Report Requested: 06/15/2012  
 Time Report Requested: 12:41:18  
 First Dose M/F: 04/03/07 / 04/02/07  
 Lab: BAT

| B6C3F1 MICE MALE<br>250 mg/kg | DAY ON TEST |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | * TOTALS      |
|-------------------------------|-------------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|---------------|
|                               | 06          | 07 | 07 | 07 | 03 | 07 | 07 | 05 | 06 | 06 | 07 | 06 | 07 | 04 | 07 | 04 | 07 | 07 | 06 | 07 | 06 | 07 | 06 | 07 |               |
|                               | 1           | 3  | 3  | 3  | 8  | 3  | 3  | 8  | 3  | 3  | 8  | 3  | 9  | 3  | 3  | 1  | 3  | 9  | 3  | 1  | 3  | 3  | 7  | 1  |               |
|                               | 6           | 2  | 2  | 0  | 5  | 2  | 0  | 6  | 1  | 7  | 2  | 6  | 2  | 5  | 2  | 7  | 5  | 0  | 0  | 0  | 0  | 0  | 0  | 0  |               |
|                               | 0           | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  |               |
|                               | 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  |               |
|                               | 7           | 7  | 7  | 7  | 8  | 8  | 8  | 8  | 8  | 8  | 8  | 8  | 8  | 8  | 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  |               |
|                               |             |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | <b>50</b>     |
|                               |             |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | <b>3 2.7</b>  |
| <b>URINARY SYSTEM</b>         |             |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |               |
| Kidney                        |             |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | <b>50</b>     |
| Inflammation, Chronic         |             |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | <b>1 3.0</b>  |
| Metaplasia, Osseous           |             |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | <b>1 2.0</b>  |
| Mineralization                |             |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | <b>2 1.0</b>  |
| Nephropathy                   | 1           | 1  | 2  |    | 1  | 1  |    | 1  |    | 1  |    | 1  |    | 2  | 1  | 1  | 1  |    | 1  | 2  | 1  | 1  | 1  | 1  | <b>43 1.3</b> |
| Papilla, Necrosis             |             |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | <b>1 2.0</b>  |
| Renal Tubule, Cyst            |             |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | <b>2 1.0</b>  |
| Renal Tubule, Pigmentation    |             |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | <b>5 1.4</b>  |
| Urinary Bladder               |             |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | <b>50</b>     |

\*\*\* 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  
 2) Mild 4) Marked

Experiment Number: 20006 - 04

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: MICE/B6C3F1

**P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**

Indole-3-carbinol

CAS Number: 700-06-1

Date Report Requested: 06/15/2012

Time Report Requested: 12:41:18

First Dose M/F: 04/03/07 / 04/02/07

Lab: BAT

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

**ALIMENTARY SYSTEM**

|  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Esophagus  | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Gallbladder<br>Inflammation, Chronic   | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Large, Cecum   | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Large, Colon   | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Large, Rectum  | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Small, Duodenum  | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Small, Ileum<br>Ulcer<br>Epithelium, Hyperplasia   | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Small, Jejunum<br>Ulcer  | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Liver<br>Angiectasis<br>Basophilic Focus<br>Clear Cell Focus<br>Eosinophilic Focus<br>Fatty Change<br>Hematopoietic Cell Proliferation<br>Mixed Cell Focus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
|  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | X |   |   |   |   | X |   |
|  | X |   | X |   | X | X |   | X |   |   |   |   | X |   |   |   |   |   |   |   |   | X | X | X | X |
|  | 2 | 1 | 1 | 2 |   | 1 |   | 4 | 1 |   | 2 | 1 | 3 | 2 | 1 | 2 | 1 | 2 |   |   | 1 | 1 | 2 | 1 | 1 |
|  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 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

|                           |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |        |                                    |  |
|---------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|--------|------------------------------------|--|
| <b>B6C3F1 MICE FEMALE</b> | DAY ON TEST | 0<br>7      | 0<br>7      | 0<br>7      | 0<br>7      | 0<br>7      | 0<br>7      | 0<br>6      | 0<br>7      | 0<br>7      | 0<br>7      | 0<br>6      | 0<br>7      | 0<br>6      | 0<br>7      | 0<br>6      | 0<br>5      | 0<br>7      | 0<br>7      | 0<br>7      | 0<br>7      | 0<br>7      | 0<br>7      | 0<br>7      | 0<br>7      | 0<br>7      | 0<br>7 | <b>females</b><br><b>(cont...)</b> |  |
| <b>0 mg/kg</b>            | ANIMAL ID   | 2<br>9      | 2<br>9      | 2<br>9      | 3<br>1      | 3<br>0      | 3<br>9      | 4<br>9      | 2<br>0      | 3<br>1      | 3<br>1      | 3<br>5      | 3<br>1      | 2<br>9      | 3<br>4      | 6<br>4      | 6<br>9      | 3<br>1      | 3<br>0      | 3<br>0      | 3<br>1      | 3<br>0      | 3<br>0      | 3<br>0      | 3<br>0      | 3<br>0      |        |                                    |  |
|                           |             | 0<br>0      | 0<br>0      | 0<br>0      | 0<br>0      | 0<br>0      | 0<br>0      | 0<br>0      | 0<br>0      | 0<br>0      | 0<br>0      | 0<br>0      | 0<br>0      | 0<br>0      | 0<br>0      | 0<br>0      | 0<br>0      | 0<br>0      | 0<br>0      | 0<br>0      | 0<br>0      | 0<br>0      | 0<br>0      | 0<br>0      | 0<br>0      | 0<br>0      | 0<br>0 |                                    |  |
|                           |             | 2<br>0<br>1 | 2<br>0<br>2 | 2<br>0<br>3 | 2<br>0<br>4 | 2<br>0<br>5 | 2<br>0<br>6 | 2<br>0<br>7 | 2<br>0<br>8 | 2<br>0<br>9 | 2<br>1<br>0 | 2<br>1<br>1 | 2<br>1<br>2 | 2<br>1<br>3 | 2<br>2<br>4 | 2<br>2<br>5 | 2<br>2<br>6 | 2<br>2<br>7 | 2<br>2<br>8 | 2<br>2<br>9 | 2<br>2<br>0 | 2<br>2<br>1 | 2<br>2<br>2 | 2<br>2<br>3 | 2<br>2<br>4 | 2<br>2<br>5 |        |                                    |  |

|  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Necrosis   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Mesentery<br>Fat, Necrosis   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Pancreas<br>Inflammation, Chronic<br>Acinus, Hyperplasia<br>Duct, Cyst                   | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Salivary Glands<br>Hyperplasia   | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Stomach, Forestomach<br>Inflammation, Chronic<br>Ulcer                                   | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Stomach, Glandular<br>Hyperplasia, Lymphoid<br>Mineralization<br>Epithelium, Hyperplasia |   |   |   |   |   |   |   |   |   |   |   |   |   | A | + | + | A | + | + | + | + | + | + | + | + | + | + |
| Tooth<br>Dysplasia   |   |   |   |   | + | + |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |

**CARDIOVASCULAR SYSTEM**

|                         |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|-------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Blood Vessel            | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Heart<br>Cardiomyopathy | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |

\* .. 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:** 20006 - 04

**Test Type:** CHRONIC

**Route:** GAVAGE

**Species/Strain:** MICE/B6C3F1

**P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**

Indole-3-carbinol  
**CAS Number:** 700-06-1

**Date Report Requested:** 06/15/2012

**Time Report Requested:** 12:41:18

**First Dose M/F:** 04/03/07 / 04/02/07

**Lab:** BAT

|                           |                    |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|---------------------------|--------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| <b>B6C3F1 MICE FEMALE</b> | <b>DAY ON TEST</b> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 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 | 6 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 6 | 6 | 5 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| <b>0 mg/kg</b>            | <b>ANIMAL ID</b>   | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |   |
|                           |                    | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 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 | 2 | 2 | 2 | 2 | 2 |
|                           |                    | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |

**females  
(cont...)**

Myocardium, Mineralization 3

**ENDOCRINE SYSTEM**

|   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|
| Adrenal Cortex<br>Hematopoietic Cell Proliferation<br>Hyperplasia<br>Inflammation, Chronic<br>Vacuolization Cytoplasmic | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |  |
| Adrenal Medulla<br>Hyperplasia  | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |  |
| Islets, Pancreatic<br>Hyperplasia   | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |  |
| Parathyroid Gland   | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |  |
| Pituitary Gland<br>Pars Distalis, Hyperplasia<br>Pars Intermedia, Hyperplasia   | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |  |
| Thyroid Gland   | 1 |   |   |   |   | 2 | 1 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |
|   |   |   |   | 3 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |

**GENERAL BODY SYSTEM**

NONE

**GENITAL SYSTEM**

|                |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|----------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Clitoral 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  
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1-4 .. Lesion qualified as:  
 1) Minimal 3) Moderate  
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Experiment Number: 20006 - 04

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: MICE/B6C3F1

**P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**

Indole-3-carbinol

CAS Number: 700-06-1

Date Report Requested: 06/15/2012

Time Report Requested: 12:41:18

First Dose M/F: 04/03/07 / 04/02/07

Lab: BAT

| B6C3F1 MICE FEMALE<br>0 mg/kg    | DAY ON TEST      |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  | ANIMAL ID | females<br>(cont...) |                  |                  |                  |                  |
|----------------------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|-----------|----------------------|------------------|------------------|------------------|------------------|
|                                  | 0<br>7<br>2<br>9 | 0<br>7<br>2<br>9 | 0<br>7<br>2<br>9 | 0<br>7<br>3<br>1 | 0<br>7<br>3<br>0 | 0<br>7<br>3<br>0 | 0<br>7<br>0<br>9 | 0<br>6<br>4<br>9 | 0<br>7<br>2<br>9 | 0<br>7<br>3<br>0 | 0<br>7<br>3<br>1 | 0<br>7<br>3<br>1 | 0<br>6<br>9<br>5 | 0<br>7<br>3<br>1 | 0<br>6<br>2<br>9 | 0<br>6<br>3<br>4 | 0<br>6<br>6<br>4 | 0<br>5<br>6<br>9 | 0<br>7<br>3<br>1 | 0<br>7<br>3<br>0 |           |                      | 0<br>7<br>3<br>1 | 0<br>7<br>3<br>0 | 0<br>7<br>3<br>0 | 0<br>7<br>3<br>0 |
| Ovary                            | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +         | +                    | +                | +                | +                |                  |
| Cyst                             |                  |                  |                  |                  |                  |                  |                  |                  | X                |                  | X                | X                |                  |                  |                  |                  |                  |                  | X                |                  |           |                      |                  | X                | X                |                  |
| Inflammation, Chronic            |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |           |                      |                  |                  |                  |                  |
| Thrombosis                       |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |           |                      |                  |                  |                  |                  |
| Uterus                           | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +         | +                    | +                | +                | +                |                  |
| Necrosis                         |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |           |                      |                  |                  |                  |                  |
| Endometrium, Hyperplasia, Cystic | 2                | 3                | 2                | 2                | 1                | 3                | 3                |                  | 3                | 3                | 2                | 3                |                  | 3                | 3                |                  | 2                |                  |                  | 3                | 2         | 3                    | 2                | 3                | 3                |                  |
| <b>HEMATOPOIETIC SYSTEM</b>      |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |           |                      |                  |                  |                  |                  |
| Bone Marrow                      | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +         | +                    | +                | +                | +                |                  |
| Lymph Node                       |                  |                  |                  |                  |                  |                  |                  |                  | +                |                  |                  |                  |                  | +                |                  |                  | +                |                  |                  |                  |           |                      |                  |                  | +                |                  |
| Lumbar, Ectasia                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |           |                      |                  |                  |                  |                  |
| Renal, Ectasia                   |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |           |                      |                  |                  | 3                |                  |
| Lymph Node, Mandibular           | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +         | +                    | +                | +                | +                |                  |
| Lymph Node, Mesenteric           | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +         | +                    | +                | +                | +                |                  |
| Spleen                           | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +         | +                    | +                | +                | +                |                  |
| Angiectasis                      |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  | 2                |                  |                  |           |                      |                  |                  |                  |                  |
| Hematopoietic Cell Proliferation |                  |                  | 2                | 1                | 3                |                  | 1                | 2                |                  | 3                |                  |                  | 1                |                  | 1                |                  |                  | 1                | 1                | 4                |           |                      |                  |                  | 1                |                  |
| Pigmentation, Hemosiderin        |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |           |                      |                  |                  |                  |                  |
| Lymphoid Follicle, Hyperplasia   |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  | 4                |                  |                  |                  |                  |                  |                  |                  |                  |           | 1                    |                  |                  |                  |                  |
| Thymus                           | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +         | +                    | +                | +                | +                |                  |
| Atrophy                          |                  | 4                |                  | 3                | 4                | 1                | 2                | 4                | 1                | 4                | 1                | 1                |                  | 2                | 1                | 4                | 2                | 3                | 4                | 1                | 1         |                      |                  | 1                | 1                |                  |

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**P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**

Indole-3-carbinol  
 CAS Number: 700-06-1

Date Report Requested: 06/15/2012  
 Time Report Requested: 12:41:18  
 First Dose M/F: 04/03/07 / 04/02/07  
 Lab: BAT

|                           |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|---------------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| <b>B6C3F1 MICE FEMALE</b> | 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 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 6 | 6 | 5 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
|                           |             | 2 | 2 | 2 | 3 | 3 | 3 | 0 | 4 | 2 | 3 | 3 | 3 | 9 | 3 | 2 | 3 | 6 | 6 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| <b>0 mg/kg</b>            | ANIMAL ID   | 9 | 9 | 9 | 1 | 0 | 0 | 9 | 9 | 0 | 0 | 1 | 1 | 5 | 1 | 9 | 4 | 4 | 9 | 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 |   |
|                           |             | 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...)

**INTEGUMENTARY SYSTEM**

|  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Mammary Gland<br>Inflammation, Chronic         | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Skin<br>Ulcer<br>Subcutaneous Tissue, Fibrosis | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |

**MUSCULOSKELETAL SYSTEM**

|  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Bone<br>Fibro-Osseous Lesion<br>Fracture | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
|  | 2 | 1 | 1 |   | 1 |   |   |   |   |   | 2 |   |   |   | 1 |   |   |   |   |   |   | 1 |   | 1 |

**NERVOUS SYSTEM**

|  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Brain<br>Hemorrhage<br>Hypothalamus, Compression | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
|  |   |   |   |   |   |   |   |   |   | 1 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|  |   |   |   |   | 3 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |

**RESPIRATORY SYSTEM**

|   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lung<br>Thrombosis<br>Alveolar Epithelium, Hyperplasia<br>Alveolus, Infiltration Cellular, Histiocyte<br>Mediastinum, Inflammation, Chronic | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Nose<br>Inflammation  | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
|   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 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: 20006 - 04

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: MICE/B6C3F1

**P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**

Indole-3-carbinol  
CAS Number: 700-06-1

Date Report Requested: 06/15/2012

Time Report Requested: 12:41:18

First Dose M/F: 04/03/07 / 04/02/07

Lab: BAT

| B6C3F1 MICE FEMALE | DAY ON TEST |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | females<br>(cont...) |
|--------------------|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------------------|
|                    | 0729        | 0729 | 0779 | 0779 | 0779 | 0779 | 0779 | 0779 | 0779 | 0779 | 0779 | 0779 | 0779 | 0779 | 0779 | 0779 | 0779 | 0779 | 0779 | 0779 | 0779 | 0779 | 0779 | 0779 | 0779 |                      |
| 0 mg/kg            | 000         | 000  | 000  | 000  | 000  | 000  | 000  | 000  | 000  | 000  | 000  | 000  | 000  | 000  | 000  | 000  | 000  | 000  | 000  | 000  | 000  | 000  | 000  | 000  | 000  |                      |
|                    | 000         | 000  | 000  | 000  | 000  | 000  | 000  | 000  | 000  | 000  | 000  | 000  | 000  | 000  | 000  | 000  | 000  | 000  | 000  | 000  | 000  | 000  | 000  | 000  | 000  |                      |
|                    | 120         | 120  | 120  | 120  | 120  | 120  | 120  | 120  | 120  | 120  | 120  | 120  | 120  | 120  | 120  | 120  | 120  | 120  | 120  | 120  | 120  | 120  | 120  | 120  | 120  |                      |

|   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Nerve, Olfactory Epithelium, Atrophy                  |   |   |   |   | 1 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Olfactory Epithelium, Accumulation, Hyaline Droplet   |   |   |   |   | 1 |   |   |   |   |   | 2 | 3 | 1 |   |   | 1 |   |   |   |   |   |   |   |   |   |
| Olfactory Epithelium, Atrophy                         |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Olfactory Epithelium, Respiratory Metaplasia          | 1 |   |   |   | 1 |   |   |   |   |   |   |   |   | 1 |   |   |   |   |   |   |   | 1 |   |   |   |
| Respiratory Epithelium, Accumulation, Hyaline Droplet | 1 | 1 | 1 | 1 | 1 | 2 | 1 | 1 | 2 | 3 | 2 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 1 | 2 |   | 2 | 2 |   |
| Respiratory Epithelium, Hyperplasia                   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |   |   | 1 |   |   |   |   |   | 1 | 1 |   | 1 | 1 |   |
| Respiratory Epithelium, Metaplasia, Squamous          |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Respiratory Epithelium, Necrosis                      |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Trachea   | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |

**SPECIAL SENSES SYSTEM**

|   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Ear                                     |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Eye                                     | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Cornea, Inflammation, Chronic           |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Harderian Gland                         | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Hyperplasia                             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 2 |   |   |
| Infiltration Cellular, Mononuclear Cell | 1 | 1 | 1 | 1 |   |   | 1 |   | 1 | 1 |   | 1 |   | 1 | 1 |   |   |   | 1 | 1 |   | 1 | 1 | 1 | 1 |

**URINARY SYSTEM**

|                            |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|----------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Kidney                     | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Infarct                    |   |   |   |   |   | 2 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 2 |
| Mineralization             |   |   |   |   |   |   |   |   |   |   |   |   |   | 1 |   |   |   |   |   |   |   |   |   |   |   |
| Nephropathy                |   | 1 | 1 |   | 1 |   | 3 |   | 1 | 1 |   | 1 |   |   |   |   |   | 1 |   |   |   |   |   | 1 |   |
| Renal Tubule, Pigmentation |   |   |   |   |   |   | 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: 20006 - 04

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: MICE/B6C3F1

**P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**

Indole-3-carbinol

CAS Number: 700-06-1

Date Report Requested: 06/15/2012

Time Report Requested: 12:41:18

First Dose M/F: 04/03/07 / 04/02/07

Lab: BAT

|                           |             |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |                              |
|---------------------------|-------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------------------------------|
| <b>B6C3F1 MICE FEMALE</b> | DAY ON TEST | 07  | 07  | 07  | 07  | 07  | 07  | 07  | 06  | 07  | 07  | 07  | 07  | 06  | 07  | 07  | 06  | 06  | 05  | 07  | 07  | 07  | 07  | 07  | 07  | 07  | <b>females<br/>(cont...)</b> |
|                           | ANIMAL ID   | 029 | 009 | 009 | 001 | 003 | 000 | 009 | 004 | 002 | 003 | 003 | 001 | 001 | 009 | 003 | 002 | 003 | 006 | 006 | 003 | 003 | 003 | 003 | 003 | 000 |                              |
| <b>0 mg/kg</b>            |             | 00  | 00  | 00  | 00  | 00  | 00  | 00  | 00  | 00  | 00  | 00  | 00  | 00  | 00  | 00  | 00  | 00  | 00  | 00  | 00  | 00  | 00  | 00  | 00  |     |                              |

Urinary Bladder Infiltration Cellular, Mononuclear Cell

+ +

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

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|                           |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                 |
|---------------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------------|
| <b>B6C3F1 MICE FEMALE</b> | 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 |                 |
|                           |             | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 6 | 5 | 6 | 7 | 7 | 7 | 7 | 7 | 5 | 7 | 6 | 7 | 6 | 7 | 6 | 5 | 6 | 7 | 6 | 7 | 6 | 7 | 6 | 5 | 6 | 7               |
|                           |             | 8 | 3 | 3 | 2 | 0 | 1 | 3 | 3 | 3 | 3 | 9 | 0 | 4 | 3 | 3 | 3 | 2 | 3 | 8 | 3 | 9 | 2 | 8 | 8 | 6 | 8 | 9 | 8 | 9 | 2 | 8 | 8 | 6 | 8 | 6 | 8               |
|                           |             | 7 | 0 | 0 | 9 | 9 | 8 | 1 | 0 | 1 | 1 | 9 | 5 | 6 | 7 | 0 | 0 | 0 | 0 | 9 | 0 | 9 | 0 | 4 | 8 | 6 | 8 | 9 | 0 | 9 | 0 | 9 | 0 | 9 | 0 | 9 | 0               |
| <b>0 mg/kg</b>            | 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               |
|                           |             | 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 | 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 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 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 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 0 |                 |
|                           |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | <b>* TOTALS</b> |

ALIMENTARY SYSTEM

|  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |     |              |     |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|-----|--------------|-----|
| Esophagus  | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |     |              |     |
| Gallbladder<br>Inflammation, Chronic                       | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | +  | 49  | 1            | 2.0 |
| Intestine Large, Cecum                                     | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |     |              |     |
| Intestine Large, Colon                                     | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |     |              |     |
| Intestine Large, Rectum                                    | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |     |              |     |
| Intestine Small, Duodenum                                  | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |     |              |     |
| Intestine Small, Ileum<br>Ulcer<br>Epithelium, Hyperplasia | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | 1   | 4.0<br>1 1.0 |     |
| Intestine Small, Jejunum<br>Ulcer                          | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | 1   | 4.0          |     |
| Liver  | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |     |              |     |
| Angiectasis  |   |   |   |   |   |   | 1 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1  | 1.0 |              |     |
| Basophilic Focus   |   |   |   | X |   |   |   |   |   |   |   |   |   |   |   | X |   | X |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 4  |     |              |     |
| Clear Cell Focus   |   |   |   | X |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    | 3   |              |     |
| Eosinophilic Focus   |   | X |   |   |   |   |   | X |   |   |   |   |   |   |   |   | X |   | X |   | X |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 16 |     |              |     |
| Fatty Change   | 1 | 1 |   | 2 | 2 |   |   |   |   |   | 1 | 2 | 4 | 3 | 2 | 2 | 1 |   |   |   | X |   |   | X |   |   | 2 | 2 |   |   | 2 | 2 | 1 |   |   | 36 | 1.7 |              |     |
| Hematopoietic Cell Proliferation                           |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 2 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 2  | 3.0 |              |     |
| Mixed Cell Focus   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    | 2   |              |     |

\* .. 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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Indole-3-carbinol

CAS Number: 700-06-1

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First Dose M/F: 04/03/07 / 04/02/07

Lab: BAT

| B6C3F1 MICE FEMALE<br>0 mg/kg | 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 |       |          |
|                               | 6           | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 6 | 5 | 6 | 7 | 7 | 7 | 7 | 5 | 7 | 6 | 7 | 6 | 5     |          |
|                               | 8           | 3 | 3 | 2 | 0 | 1 | 3 | 3 | 3 | 3 | 9 | 0 | 4 | 3 | 3 | 3 | 2 | 3 | 8 | 3 | 9 | 2 | 8 | 6     |          |
|                               | 7           | 0 | 0 | 9 | 9 | 8 | 1 | 0 | 1 | 1 | 9 | 5 | 6 | 7 | 0 | 0 | 0 | 9 | 0 | 9 | 0 | 7 | 4 | 8     |          |
|                               | 0           | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0     |          |
|                               | 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 | 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     |          |
| Necrosis                      |             |   |   |   |   |   |   |   |   |   | 2 |   |   |   |   |   |   |   |   |   |   |   |   | 1 2.0 |          |
| Mesentery                     |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |       |          |
| Fat, Necrosis                 |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |       |          |
| Pancreas                      |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |       |          |
| Inflammation, Chronic         |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |       |          |
| Acinus, Hyperplasia           |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |       |          |
| Duct, Cyst                    |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |       |          |
| Salivary Glands               |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |       |          |
| Hyperplasia                   |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |       |          |
| Stomach, Forestomach          |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |       |          |
| Inflammation, Chronic         |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |       |          |
| Ulcer                         |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |       |          |
| Stomach, Glandular            |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |       |          |
| Hyperplasia, Lymphoid         |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |       |          |
| Mineralization                |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |       |          |
| Epithelium, Hyperplasia       |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |       |          |
| Tooth                         |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |       |          |
| Dysplasia                     |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |       |          |

CARDIOVASCULAR SYSTEM

|                |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|----------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| Blood Vessel   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Heart          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Cardiomyopathy |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

\* .. 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: 20006 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

**P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**  
 Indole-3-carbinol  
 CAS Number: 700-06-1

Date Report Requested: 06/15/2012  
 Time Report Requested: 12:41:18  
 First Dose M/F: 04/03/07 / 04/02/07  
 Lab: BAT

| B6C3F1 MICE FEMALE | DAY ON TEST | 0 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | * TOTALS |   |   |   |   |   |              |  |
|--------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----------|---|---|---|---|---|--------------|--|
|                    |             | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 6 | 5 | 6 | 7 | 7 | 7 | 7 | 7 | 5 |          | 7 | 6 | 7 | 6 | 5 | 8            |  |
| 0 mg/kg            | ANIMAL ID   | 8 | 3 | 3 | 2 | 0 | 1 | 3 | 3 | 3 | 3 | 3 | 9 | 0 | 4 | 3 | 3 | 3 | 2 | 3 | 8 | 3        | 9 | 2 | 8 | 6 | 8 |              |  |
|                    |             | 7 | 0 | 0 | 9 | 9 | 8 | 1 | 0 | 1 | 1 | 9 | 5 | 6 | 7 | 0 | 0 | 0 | 9 | 0 | 9 | 0        | 7 | 6 | 7 | 4 | 8 |              |  |
|                    |             | 0 | 0 | 0 | 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            |  |
|                    |             | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4        | 4 | 4 | 4 | 5 | 0 |              |  |
|                    |             | 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 |   | <b>2 3.0</b> |  |

Myocardium, Mineralization

3

2 3.0

**ENDOCRINE SYSTEM**

|                                  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |       |  |
|----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|-------|--|
| Adrenal Cortex                   | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | 49 |       |  |
| Hematopoietic Cell Proliferation |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    | 1 3.0 |  |
| Hyperplasia                      |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    | 1 4.0 |  |
| Inflammation, Chronic            |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    | 1 2.0 |  |
| Vacuolization Cytoplasmic        |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    | 1 1.0 |  |
| Adrenal Medulla                  | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | +  | 49    |  |
| Hyperplasia                      |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    | 1 2.0 |  |
| Islets, Pancreatic               | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | +  | 50    |  |
| Hyperplasia                      |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    | 5 1.0 |  |
| Parathyroid Gland                | M | + | + | + | + | M | M | + | + | + | + | + | + | + | M | + | + | + | + | + | + | M | + | + | +  | 43    |  |
| Pituitary Gland                  | + | I | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | +  | 49    |  |
| Pars Distalis, Hyperplasia       |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    | 5 1.6 |  |
| Pars Intermedia, Hyperplasia     |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    | 1 3.0 |  |
| Thyroid Gland                    | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | +  | 50    |  |

**GENERAL BODY SYSTEM**

NONE

**GENITAL SYSTEM**

|                |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |
|----------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| Clitoral Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | 49 |
|----------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|

\* .. 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: 20006 - 04

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Route: GAVAGE

Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Indole-3-carbinol

CAS Number: 700-06-1

Date Report Requested: 06/15/2012

Time Report Requested: 12:41:18

First Dose M/F: 04/03/07 / 04/02/07

Lab: BAT

| B6C3F1 MICE FEMALE<br>0 mg/kg    | DAY ON TEST |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       | * TOTALS |        |
|----------------------------------|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------|--------|
|                                  | 0687        | 0730  | 0730  | 0729  | 0779  | 0778  | 0771  | 0770  | 0770  | 0770  | 0770  | 0770  | 0770  | 0770  | 0770  | 0770  | 0770  | 0770  | 0770  | 0770  | 0770  | 0770  | 0770  | 0770  |          |        |
| ANIMAL ID                        | 00226       | 00226 | 00226 | 00226 | 00226 | 00226 | 00226 | 00226 | 00226 | 00226 | 00226 | 00226 | 00226 | 00226 | 00226 | 00226 | 00226 | 00226 | 00226 | 00226 | 00226 | 00226 | 00226 | 00226 |          |        |
| Ovary                            | +           | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | 50    |          |        |
| Cyst                             | X           |       |       | X     | X     | X     |       | X     | X     |       |       | X     |       |       | X     |       |       | X     |       | X     |       |       |       | 16    |          |        |
| Inflammation, Chronic            |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       | 3     |       | 1 3.0 |          |        |
| Thrombosis                       |             |       |       |       | X     | X     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       | 2     |          |        |
| Uterus                           | +           | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | 50    |          |        |
| Necrosis                         |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       | 3     |       | 1 3.0 |          |        |
| Endometrium, Hyperplasia, Cystic | 2           |       | 1     | 1     |       |       | 3     |       | 2     | 2     |       | 1     |       |       | 3     | 2     |       | 3     | 3     | 3     | 3     | 3     | 2     | 3     | 36 2.4   |        |
| <b>HEMATOPOIETIC SYSTEM</b>      |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          |        |
| Bone Marrow                      | +           | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | 50       |        |
| Lymph Node                       |             | +     | +     |       | +     |       |       |       |       |       |       |       |       | +     |       |       |       |       |       |       | +     |       |       |       | 9        |        |
| Lumbar, Ectasia                  |             | 3     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       | 1 3.0    |        |
| Renal, Ectasia                   |             |       | 3     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       | 2 3.0    |        |
| Lymph Node, Mandibular           | +           | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | 50       |        |
| Lymph Node, Mesenteric           | M           | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | 49       |        |
| Spleen                           | +           | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | 50       |        |
| Angiectasis                      |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       | 1 2.0    |        |
| Hematopoietic Cell Proliferation |             | 2     | 2     | 2     |       | 3     | 2     | 1     | 2     | 2     |       | 2     | 3     | 1     |       |       | 1     | 2     | 2     | 3     | 2     | 1     |       | 4     | 30 1.9   |        |
| Pigmentation, Hemosiderin        | 3           |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       | 1 3.0    |        |
| Lymphoid Follicle, Hyperplasia   |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       | 2 2.5    |        |
| Thymus                           | +           | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | M     | +     | +     | +        | 49     |
| Atrophy                          | 4           |       | 2     | 1     | 3     | 4     | 1     | 2     | 2     | 1     | 4     | 3     | 4     | 3     | 1     | 1     |       | 1     | 1     | 3     | 1     |       | 2     | 4     | 4        | 42 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

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1) Minimal 3) Moderate

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Experiment Number: 20006 - 04

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Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Indole-3-carbinol

CAS Number: 700-06-1

Date Report Requested: 06/15/2012

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First Dose M/F: 04/03/07 / 04/02/07

Lab: BAT

|   |                 |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |  |
|---|-----------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|--|
| <b>B6C3F1 MICE FEMALE</b><br><br><b>0 mg/kg</b> | DAY ON TEST     | 0687 | 0733 | 0773 | 0772 | 0770 | 0771 | 0773 | 0773 | 0771 | 0771 | 0769 | 0766 | 0766 | 0759 | 0767 | 0773 | 0773 | 0773 | 0772 | 0773 | 0758 | 0773 | 0766 | 0777 | 0766 | 0776 | 0765 |  |
|   | ANIMAL ID       | 0022 | 0022 | 0022 | 0022 | 0022 | 0022 | 0022 | 0022 | 0022 | 0022 | 0022 | 0022 | 0022 | 0022 | 0022 | 0022 | 0022 | 0022 | 0022 | 0022 | 0022 | 0022 | 0022 | 0022 | 0022 | 0022 | 0022 |  |
|   |                 | 6789 | 0390 | 0390 | 0390 | 0390 | 0390 | 0390 | 0390 | 0390 | 0390 | 0390 | 0390 | 0390 | 0390 | 0390 | 0390 | 0390 | 0390 | 0390 | 0390 | 0390 | 0390 | 0390 | 0390 | 0390 | 0390 | 0390 |  |
|   | <b>* TOTALS</b> |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |  |

**INTEGUMENTARY SYSTEM**

|  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |           |            |            |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|------------|------------|
| Mammary Gland<br>Inflammation, Chronic | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | <b>50</b> | <b>1</b>   | <b>4.0</b> |
| Skin<br>Ulcer                          | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | <b>50</b> | <b>1</b>   | <b>3.0</b> |
| Subcutaneous Tissue, Fibrosis          |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | <b>1</b>  | <b>4.0</b> |            |

**MUSCULOSKELETAL SYSTEM**

|                              |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |           |            |            |
|------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|------------|------------|
| Bone<br>Fibro-Osseous Lesion | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | <b>50</b> | <b>9</b>   | <b>1.2</b> |
| Fracture                     |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | <b>1</b>  | <b>2.0</b> |            |

**NERVOUS SYSTEM**

|                           |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |           |            |            |
|---------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|------------|------------|
| Brain<br>Hemorrhage       | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | <b>50</b> | <b>1</b>   | <b>1.0</b> |
| Hypothalamus, Compression |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | <b>2</b>  | <b>3.0</b> |            |

**RESPIRATORY SYSTEM**

|   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |           |            |            |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|------------|------------|
| Lung<br>Thrombosis                          | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | <b>50</b> | <b>1</b>   |            |
| Alveolar Epithelium, Hyperplasia            |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | <b>1</b>  | <b>1.0</b> |            |
| Alveolus, Infiltration Cellular, Histiocyte |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | <b>1</b>  | <b>1.0</b> |            |
| Mediastinum, Inflammation, Chronic          |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | <b>1</b>  | <b>3.0</b> |            |
| Nose<br>Inflammation                        | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | <b>50</b> | <b>4</b>   | <b>1.5</b> |

\* .. 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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Indole-3-carbinol  
CAS Number: 700-06-1

Date Report Requested: 06/15/2012

Time Report Requested: 12:41:18

First Dose M/F: 04/03/07 / 04/02/07

Lab: BAT

| B6C3F1 MICE FEMALE | DAY ON TEST |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | * TOTALS |      |
|--------------------|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------|------|
|                    | 0687        | 0730 | 0739 | 0720 | 0718 | 0771 | 0777 | 0777 | 0777 | 0777 | 0777 | 0666 | 0665 | 0665 | 0666 | 0777 | 0777 | 0777 | 0777 | 0777 | 0555 | 0777 | 0666 | 0777 |          | 0666 |
| 0 mg/kg            | 0022        | 0022 | 0022 | 0022 | 0033 | 0033 | 0033 | 0033 | 0033 | 0033 | 0033 | 0033 | 0033 | 0033 | 0044 | 0044 | 0044 | 0044 | 0044 | 0044 | 0044 | 0044 | 0044 | 0044 | 0044     | 0044 |
|                    | 678         | 700  | 700  | 709  | 709  | 708  | 701  | 700  | 700  | 700  | 700  | 700  | 700  | 700  | 700  | 700  | 700  | 700  | 700  | 700  | 700  | 700  | 700  | 700  | 700      | 700  |

|   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |     |     |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----|-----|
| Nerve, Olfactory Epithelium, Atrophy                  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1 | 1.0 |     |
| Olfactory Epithelium, Accumulation, Hyaline Droplet   | 1 |   |   |   |   |   |   |   |   |   |   |   |   |   | 1 |   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1   | 1.2 |
| Olfactory Epithelium, Atrophy                         |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1   | 1.0 |
| Olfactory Epithelium, Respiratory Metaplasia          |   |   |   |   |   |   |   |   |   |   |   |   |   | 1 |   |   |   |   |   |   |   |   |   |   |   |   | 1 | 1.0 |     |
| Respiratory Epithelium, Accumulation, Hyaline Droplet | 2 | 2 | 1 | 1 | 2 | 1 | 1 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1   | 1.4 |
| Respiratory Epithelium, Hyperplasia                   | 1 |   |   | 1 |   |   |   |   | 1 |   | 1 |   |   | 1 | 2 |   | 1 | 1 |   |   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1   | 1.0 |
| Respiratory Epithelium, Metaplasia, Squamous          |   |   |   |   | 1 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1   | 1.0 |
| Respiratory Epithelium, Necrosis                      |   |   |   |   | 1 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1   | 1.0 |
| Trachea   | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | +   | 50  |

**SPECIAL SENSES SYSTEM**

|   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |     |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|-----|
| Ear                                     |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 2  |     |
| Eye                                     | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |     |
| Cornea, Inflammation, Chronic           | 2 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1  | 2.0 |
| Harderian Gland                         | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |     |
| Hyperplasia                             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 2  | 2.0 |
| Infiltration Cellular, Mononuclear Cell |   |   |   | 2 | 1 |   |   |   |   |   |   |   |   |   | 1 | 1 | 1 |   |   |   |   |   |   |   |   |   | 1 |   | 24 | 1.0 |

**URINARY SYSTEM**

|                            |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |     |     |
|----------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|-----|-----|
| Kidney                     | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |     |     |
| Infarct                    |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1 |   |   |   |   |   |   |   |   |   |   |   |   |   |    | 3   | 1.7 |
| Mineralization             | 1 |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 2 |   |   |   |   |   |   |   |   |   |   |   | 1 | 4  | 1.3 |     |
| Nephropathy                |   |   | 1 | 1 |   | 1 |   |   |   |   |   |   |   | 1 | 3 |   | 1 | 1 |   |   | 1 | 1 | 2 | 1 | 1 |   | 1 | 2 | 24 | 1.3 |     |
| Renal Tubule, Pigmentation |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 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: 20006 - 04

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: MICE/B6C3F1

**P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**

Indole-3-carbinol  
CAS Number: 700-06-1

Date Report Requested: 06/15/2012

Time Report Requested: 12:41:18

First Dose M/F: 04/03/07 / 04/02/07

Lab: BAT

|                           |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                 |
|---------------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------------|
| <b>B6C3F1 MICE FEMALE</b> | 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 | 7 | 7 | 7 | 7 | 7 | 6 | 6 | 5 | 6 | 7 | 7 | 7 | 7 | 7 | 5 | 7 | 6 | 7 | 6 | 5 |                 |
| <b>0 mg/kg</b>            | 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 | <b>* TOTALS</b> |
|                           |             | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |                 |

|   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |              |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--------------|
| Urinary Bladder                         | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | <b>50</b>    |
| Infiltration Cellular, Mononuclear Cell |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | <b>3 1.0</b> |

\* .. 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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A .. Autolysis precludes evaluation

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1-4 .. Lesion qualified as:

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2) Mild 4) Marked

|                           |                   |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |                          |
|---------------------------|-------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|--------------------------|
| <b>B6C3F1 MICE FEMALE</b> | DAY ON TEST       | 0731 | 0730 | 0771 | 0671 | 0772 | 0772 | 0772 | 0772 | 0772 | 0772 | 0772 | 0772 | 0772 | 0772 | 0772 | 0772 | 0772 | 0772 | 0772 | 0772 | 0772 | 0772 | 0772 |      |      |                          |
|                           | <b>62.5 mg/kg</b> | 0051 | 0052 | 0053 | 0054 | 0055 | 0056 | 0057 | 0058 | 0059 | 0060 | 0061 | 0062 | 0063 | 0064 | 0065 | 0066 | 0067 | 0068 | 0069 | 0070 | 0071 | 0072 | 0073 |      | 0074 | 0075                     |
|                           | ANIMAL ID         | 0025 | 0022 | 0022 | 0022 | 0022 | 0022 | 0022 | 0022 | 0022 | 0022 | 0022 | 0022 | 0022 | 0022 | 0022 | 0022 | 0022 | 0022 | 0022 | 0022 | 0022 | 0022 | 0022 | 0022 | 0022 | <b>females (cont...)</b> |

ALIMENTARY SYSTEM

|                           |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|---------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Esophagus                 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Gallbladder Cyst          | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Large, Cecum    | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Large, Colon    | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Large, Rectum   | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Small, Duodenum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Small, Ileum    | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Small, Jejunum  | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Liver                     | + | + |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Basophilic Focus          |   |   |   | X |   |   |   |   |   | X |   |   |   |   |   |   |   |   | X | X |   |   |   |   |   |
| Clear Cell Focus          |   |   |   |   |   |   | X |   |   |   |   |   |   |   |   |   |   |   | X |   |   |   |   |   |   |
| Eosinophilic Focus        |   |   | X |   | X | X |   |   |   | X | X |   | X |   | X |   |   |   | X | X | X | X | X |   |   |
| Fatty Change              | 2 | 1 | 1 |   | 1 | 1 | 2 |   | 2 | 1 | 1 | 2 | 2 | 1 | 3 | 2 | 2 | 1 | 2 | 2 | 1 | 2 | 2 | 1 | 1 |
| Hemorrhage                |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Inflammation, Chronic     |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Mixed Cell Focus          |   |   |   |   |   |   |   |   | X |   |   |   |   |   |   |   |   |   | X |   |   |   |   |   |   |
| Necrosis                  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1 |
| Bile Duct, Cyst           |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Mesentery                 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | + |   | + |   |   |   | + |

\* .. 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: 20006 - 04

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Indole-3-carbinol

CAS Number: 700-06-1

Date Report Requested: 06/15/2012

Time Report Requested: 12:41:18

First Dose M/F: 04/03/07 / 04/02/07

Lab: BAT

| B6C3F1 MICE FEMALE<br>62.5 mg/kg  | DAY ON TEST      |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |  | ANIMAL ID | females<br>(cont...) |
|-----------------------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|--|-----------|----------------------|
|                                   | 0<br>7<br>3<br>1 | 0<br>7<br>3<br>0 | 0<br>7<br>0<br>1 | 0<br>7<br>3<br>1 | 0<br>6<br>8<br>1 | 0<br>7<br>3<br>0 | 0<br>7<br>2<br>9 | 0<br>7<br>2<br>9 | 0<br>7<br>3<br>0 | 0<br>7<br>2<br>9 | 0<br>7<br>2<br>9 | 0<br>5<br>3<br>8 | 0<br>7<br>3<br>2 | 0<br>7<br>2<br>9 | 0<br>6<br>8<br>0 | 0<br>6<br>2<br>0 | 0<br>7<br>3<br>1 | 0<br>7<br>2<br>9 | 0<br>7<br>3<br>1 | 0<br>7<br>2<br>9 | 0<br>7<br>3<br>0 | 0<br>7<br>2<br>9 | 0<br>7<br>3<br>0 | 0<br>7<br>2<br>9 |  |           |                      |
| Hyperplasia                       |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  | 2                |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |  |           |                      |
| Necrosis                          |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  | 2                |  |           |                      |
| Vacuolization Cytoplasmic         |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |  |           |                      |
| Adrenal Medulla<br>Hyperplasia    | +                |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |  |           |                      |
| Islets, Pancreatic<br>Hyperplasia | +                |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |  | 1         |                      |
| Parathyroid Gland                 | +                |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |  | M         |                      |
| Pituitary Gland<br>Cyst           | +                |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |  | 1         |                      |
| Pars Distalis, Hyperplasia        | +                |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |  | 2         |                      |
| Thyroid Gland                     | +                |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |  |           |                      |

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

|                                     |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |
|-------------------------------------|---|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|---|
| Clitoral Gland                      | + |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |
| Ovary<br>Cyst                       | + |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | X |
| Uterus<br>Inflammation, Suppurative | + |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 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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1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

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| B6C3F1 MICE FEMALE<br>62.5 mg/kg | DAY ON TEST      |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  | ANIMAL ID | females<br>(cont...) |   |   |   |  |
|----------------------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|-----------|----------------------|---|---|---|--|
|                                  | 0<br>7<br>3<br>1 | 0<br>7<br>3<br>0 | 0<br>7<br>0<br>1 | 0<br>7<br>3<br>1 | 0<br>6<br>8<br>1 | 0<br>7<br>3<br>0 | 0<br>7<br>2<br>9 | 0<br>7<br>2<br>9 | 0<br>7<br>3<br>0 | 0<br>7<br>2<br>9 | 0<br>7<br>2<br>9 | 0<br>5<br>3<br>8 | 0<br>7<br>2<br>9 | 0<br>7<br>3<br>1 | 0<br>6<br>8<br>8 | 0<br>6<br>2<br>0 | 0<br>7<br>3<br>3 | 0<br>7<br>2<br>1 | 0<br>7<br>2<br>9 | 0<br>7<br>3<br>1 | 0<br>7<br>2<br>3 | 0<br>7<br>2<br>9 | 0<br>7<br>3<br>0 | 0<br>7<br>2<br>3 | 0<br>7<br>2<br>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 |  |
|                                  | 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                    | 2 | 2 | 2 |  |
|                                  | 5                | 5                | 5                | 5                | 5                | 5                | 5                | 5                | 5                | 5                | 5                | 6                | 6                | 6                | 6                | 6                | 6                | 6                | 6                | 6                | 6                | 6                | 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                | 6         | 7                    | 8 | 9 | 9 |  |
| Inflammation, Chronic            |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |           |                      |   |   |   |  |
| Endometrium, Hyperplasia, Cystic |                  | 3                |                  |                  | 3                |                  |                  | 3                | 2                |                  | 3                |                  |                  | 2                | 3                | 2                | 1                | 2                | 3                | 2                | 3                |                  |                  | 3                | 3                |           |                      |   |   | 2 |  |

**HEMATOPOIETIC SYSTEM**

|   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Bone Marrow                             | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |   |
| Lymph Node Renal, Ectasia               |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Lymph Node, Mandibular                  | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |   |
| Lymph Node, Mesenteric                  | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |   |
| Spleen Hematopoietic Cell Proliferation | 1 |   |   | 1 | 2 |   | 1 |   |   |   |   |   |   | 1 |   |   |   |   |   |   | 2 | 1 |   |   | 2 | 1 | 1 | 2 | 1 |
| Spleen Hyperplasia, Lymphoid            |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Spleen Lymphoid Follicle, Atrophy       |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Thymus Atrophy                          | 1 |   |   | 1 | 1 | 1 | 3 | 3 | 2 |   | 2 |   | 2 |   | 4 | 2 | 2 | 1 | 1 |   |   |   | 1 | 2 |   |   | 1 |   |   |
| Thymus Hyperplasia                      |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |

**INTEGUMENTARY SYSTEM**

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

**MUSCULOSKELETAL SYSTEM**

|  |  |
|--|--|
| * .. 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:<br>1) Minimal 3) Moderate<br>2) Mild 4) Marked |

Experiment Number: 20006 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

**P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**  
 Indole-3-carbinol  
 CAS Number: 700-06-1

Date Report Requested: 06/15/2012  
 Time Report Requested: 12:41:18  
 First Dose M/F: 04/03/07 / 04/02/07  
 Lab: BAT

|                           |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                              |
|---------------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|------------------------------|
| <b>B6C3F1 MICE FEMALE</b> | 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 | <b>females<br/>(cont...)</b> |
|                           |             | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 5 | 7 | 7 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |                              |
| <b>62.5 mg/kg</b>         |             | 3 | 3 | 0 | 3 | 8 | 3 | 2 | 2 | 3 | 2 | 2 | 5 | 3 | 2 | 8 | 2 | 3 | 3 | 3 | 2 | 2 | 3 | 2 | 3 |                              |
|                           |             | 1 | 0 | 1 | 1 | 1 | 0 | 9 | 9 | 0 | 9 | 8 | 1 | 9 | 8 | 0 | 0 | 1 | 9 | 9 | 1 | 9 | 9 | 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 |                              |
|                           |             | 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 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 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 |   |                              |

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

**NERVOUS SYSTEM**

|                                       |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|---------------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Brain Meninges, Inflammation, Chronic | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
|                                       |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 4 |   |   |   |   |   |   |   |

**RESPIRATORY SYSTEM**

|   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lung Hyperplasia, Lymphoid Inflammation, Chronic      | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Alveolar Epithelium, Hyperplasia                      |   |   |   |   | 1 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Alveolus, Infiltration Cellular, Histiocyte           |   |   |   |   |   | 2 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Nose Inflammation                                     | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Nerve, Olfactory Epithelium, Atrophy                  |   |   |   |   |   |   |   |   |   | 1 |   |   |   |   |   |   |   |   |   |   |   |   |   | 1 |
| Olfactory Epithelium, Accumulation, Hyaline Droplet   |   |   |   | 1 |   | 1 |   |   |   |   |   |   | 1 | 1 |   |   | 2 | 1 |   | 1 |   |   | 1 | 1 |
| Olfactory Epithelium, Atrophy                         |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Olfactory Epithelium, Respiratory Metaplasia          |   |   |   | 1 |   | 1 |   |   |   | 1 |   |   | 1 |   |   |   |   |   |   |   |   |   |   |   |
| Respiratory Epithelium, Accumulation, Hyaline Droplet |   |   |   | 2 | 1 |   | 1 | 1 | 1 | 1 | 1 |   | 1 | 1 |   | 1 | 2 | 1 |   | 1 |   | 1 | 1 | 1 |
| Respiratory Epithelium, Hyperplasia                   |   |   |   | 1 | 1 | 1 | 1 | 1 | 1 |   | 1 | 1 | 1 | 1 | 1 | 1 |   |   |   | 1 | 1 |   |   | 1 |
| Trachea   | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |

\* .. 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: 20006 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL  
 Indole-3-carbinol  
 CAS Number: 700-06-1

Date Report Requested: 06/15/2012  
 Time Report Requested: 12:41:18  
 First Dose M/F: 04/03/07 / 04/02/07  
 Lab: BAT

|                           |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|---------------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| <b>B6C3F1 MICE FEMALE</b> | 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 |
|                           |             | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 5 | 7 | 7 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| <b>62.5 mg/kg</b>         |             | 3 | 3 | 0 | 3 | 8 | 3 | 2 | 2 | 3 | 2 | 2 | 5 | 3 | 2 | 8 | 2 | 3 | 3 | 2 | 2 | 3 | 2 | 3 |
|                           | ANIMAL ID   | 1 | 0 | 1 | 1 | 1 | 0 | 9 | 9 | 0 | 9 | 8 | 1 | 9 | 8 | 0 | 0 | 1 | 9 | 9 | 1 | 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 |
|                           |             | 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 | 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 |   |
|                           |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |

females  
(cont...)

**SPECIAL SENSES SYSTEM**

|   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Eye                                     | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Lens, Cataract                          |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 3 |   |   |
| Harderian Gland                         | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Hyperplasia                             | 2 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Infiltration Cellular, Mononuclear Cell |   | 1 |   | 1 |   |   | 1 |   |   |   | 1 |   |   | 1 | 2 |   | 1 | 1 | 1 |   |   | 1 | 1 |

**URINARY SYSTEM**

|                 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|-----------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Kidney          | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Mineralization  |   |   |   |   | 1 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Nephropathy     |   | 1 | 1 | 1 | 1 |   | 1 | 1 | 1 | 1 |   |   | 1 |   |   |   |   |   | 1 |   | 1 | 1 | 1 |
| Urinary Bladder | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |

\* .. 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: 20006 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

**P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**  
 Indole-3-carbinol  
 CAS Number: 700-06-1

Date Report Requested: 06/15/2012  
 Time Report Requested: 12:41:18  
 First Dose M/F: 04/03/07 / 04/02/07  
 Lab: BAT

| B6C3F1 MICE FEMALE | 62.5 mg/kg | DAY ON TEST |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | * TOTALS |      |      |      |      |
|--------------------|------------|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------|------|------|------|------|
|                    |            | 0730        | 0730 | 0730 | 0730 | 0768 | 0773 | 0777 | 0777 | 0777 | 0777 | 0777 | 0777 | 0766 | 0766 | 0766 | 0777 | 0777 | 0777 | 0777 | 0711 |          | 0777 | 0777 | 0777 | 0777 |
|                    |            | 00          | 00   | 00   | 00   | 00   | 00   | 00   | 00   | 00   | 00   | 00   | 00   | 00   | 00   | 00   | 00   | 00   | 00   | 00   | 00   | 00       | 00   | 00   | 00   | 00   |
|                    |            | 276         | 277  | 278  | 279  | 280  | 281  | 282  | 283  | 284  | 285  | 286  | 287  | 288  | 289  | 290  | 291  | 292  | 293  | 294  | 295  | 296      | 297  | 298  | 299  | 300  |

**ALIMENTARY SYSTEM**

|                           |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |        |
|---------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--------|
| Esophagus                 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50     |
| Gallbladder Cyst          | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50     |
|                           |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1 1.0  |
| Intestine Large, Cecum    | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50     |
| Intestine Large, Colon    | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50     |
| Intestine Large, Rectum   | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50     |
| Intestine Small, Duodenum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50     |
| Intestine Small, Ileum    | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50     |
| Intestine Small, Jejunum  | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50     |
| Liver                     | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50     |
| Basophilic Focus          |   |   |   |   |   |   |   |   |   | X |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 6      |
| Clear Cell Focus          |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 2      |
| Eosinophilic Focus        | X | X |   |   | X | X | X | X |   |   | X |   |   |   |   | X |   | X |   | X | X | X | X |   |   |   | 26     |
| Fatty Change              | 1 | 2 | 2 | 2 | 1 | 2 |   |   |   | 2 |   |   |   |   | 1 | 1 | 1 |   |   | 1 | 1 | 1 | 1 | 2 |   |   | 39 1.5 |
| Hemorrhage                |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 2 1.0  |
| Inflammation, Chronic     |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1 3.0  |
| Mixed Cell Focus          | X | X |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 4      |
| Necrosis                  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1 1.0  |
| Bile Duct, Cyst           |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1 2.0  |
| Mesentery                 |   |   |   |   |   |   |   |   |   | + |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 7      |

\* .. 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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 BLANK .. Not examined microscopically  
 1-4 .. Lesion qualified as:  
 1) Minimal 3) Moderate  
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Experiment Number: 20006 - 04

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: MICE/B6C3F1

**P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**

Indole-3-carbinol

CAS Number: 700-06-1

Date Report Requested: 06/15/2012

Time Report Requested: 12:41:18

First Dose M/F: 04/03/07 / 04/02/07

Lab: BAT

| B6C3F1 MICE FEMALE<br>62.5 mg/kg | DAY ON TEST |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | * TOTALS |     |   |       |
|----------------------------------|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------|-----|---|-------|
|                                  | 0730        | 0733 | 0730 | 0733 | 0738 | 0731 | 0732 | 0733 | 0733 | 0732 | 0731 | 0730 | 0732 | 0734 | 0735 | 0733 | 0733 | 0733 | 0732 | 0731 | 0733 | 0733 | 0733 | 0733 |          |     |   |       |
| ANIMAL ID                        | 00276       | 0007 | 0007 | 0007 | 0007 | 0007 | 0007 | 0007 | 0007 | 0007 | 0007 | 0007 | 0007 | 0007 | 0007 | 0007 | 0007 | 0007 | 0007 | 0007 | 0007 | 0007 | 0007 | 0007 |          |     |   |       |
| Fat, Necrosis                    |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 2        | 3   | 2 | 6 1.8 |
| Pancreas                         | +           | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | 50       |     |   |       |
| Angiectasis                      |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          |     | 1 | 1 1.0 |
| Inflammation, Chronic            | 2           |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          |     |   | 1 2.0 |
| Acinus, Hyperplasia              |             |      |      |      | 1    |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          |     |   | 2 1.0 |
| Salivary Glands                  | +           | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | M    | +    | +    | +    | +    | +    | 49       |     |   |       |
| Stomach, Forestomach             | +           | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | 50       |     |   |       |
| Ulcer                            |             |      |      |      |      |      |      |      |      | 1    |      |      |      |      |      |      |      |      |      |      |      | 3    | 3    | 3    | 4        | 2.5 |   |       |
| Stomach, Glandular               | +           | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | 50       |     |   |       |
| Inflammation, Chronic            | 1           | 1    |      |      |      |      |      |      |      | 1    |      |      |      |      |      |      |      |      |      |      |      |      | 1    |      | 15       | 1.0 |   |       |
| Pigmentation                     |             |      | 1    | 1    |      |      |      |      |      | 1    |      |      |      |      |      |      |      |      |      |      |      |      | 1    |      | 15       | 1.0 |   |       |
| Epithelium, Hyperplasia          | 1           |      |      |      |      |      |      |      |      | 2    |      |      |      |      |      |      |      |      |      |      |      |      | 1    |      | 7        | 1.3 |   |       |
| Tooth                            |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 9        |     |   |       |
| Dysplasia                        |             |      |      |      |      |      |      |      |      |      | +    | +    |      |      |      |      |      |      |      |      |      |      | +    |      | 9        | 1.0 |   |       |
|                                  |             |      |      |      |      |      |      |      |      | 1    | 1    |      |      |      |      |      |      |      |      |      |      |      | 1    |      |          |     |   |       |
| <b>CARDIOVASCULAR SYSTEM</b>     |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          |     |   |       |
| Blood Vessel                     | +           | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | 50       |     |   |       |
| Heart                            | +           | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | 50       |     |   |       |
| Cardiomyopathy                   |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          |     | 2 | 3 1.3 |
| Inflammation, Chronic            |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          |     | 3 | 1 3.0 |
| <b>ENDOCRINE SYSTEM</b>          |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          |     |   |       |
| 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:  
 1) Minimal 3) Moderate  
 2) Mild 4) Marked

Experiment Number: 20006 - 04

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: MICE/B6C3F1

**P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**

Indole-3-carbinol

CAS Number: 700-06-1

Date Report Requested: 06/15/2012

Time Report Requested: 12:41:18

First Dose M/F: 04/03/07 / 04/02/07

Lab: BAT

| B6C3F1 MICE FEMALE         |  | DAY ON TEST |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |        |       | * TOTALS |
|----------------------------|--|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--------|-------|----------|
| 62.5 mg/kg                 |  | 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 | 6 | 7 | 7 | 7 | 7 | 7 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 1 | 7 | 7 | 7 | 7 | 7      | 7     |          |
| Hyperplasia                |  | 3           | 3 | 3 | 3 | 8 | 3 | 2 | 3 | 3 | 2 | 3 | 4 | 5 | 3 | 3 | 3 | 2 | 9 | 3 | 3 | 3 | 3 | 3      | 1 2.0 |          |
| Necrosis                   |  | 0           | 0 | 0 | 0 | 7 | 1 | 9 | 1 | 0 | 0 | 2 | 0 | 0 | 0 | 1 | 1 | 9 | 1 | 0 | 0 | 0 | 0 | 0      | 1 2.0 |          |
| Vacuolization Cytoplasmic  |  | 0           | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0      | 1 2.0 |          |
| Adrenal Medulla            |  | 2           | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2      | 50    |          |
| Hyperplasia                |  | 7           | 7 | 7 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9      | 1 2.0 |          |
| Islets, Pancreatic         |  | 6           | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 50     |       |          |
| Hyperplasia                |  | 2           | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 1 1.0  |       |          |
| Parathyroid Gland          |  | 7           | 7 | 7 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 48     |       |          |
| Pituitary Gland            |  | 2           | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 50     |       |          |
| Cyst                       |  |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1 | 2 1.0  |       |          |
| Pars Distalis, Hyperplasia |  | 2           |   | 2 | 2 | 3 |   | 2 |   | 1 |   | 2 |   |   | 1 |   |   |   |   |   | 1 | 3 |   | 18 1.8 |       |          |
| Thyroid Gland              |  | 2           | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 50     |       |          |

**GENERAL BODY SYSTEM**

NONE

**GENITAL SYSTEM**

|                           |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |       |
|---------------------------|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-------|
| Clitoral Gland            |  | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50    |
| Ovary                     |  | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50    |
| Cyst                      |  |   |   | X |   | X |   | X |   |   | X |   | X |   | X |   | X |   |   |   |   | X |   | 15    |
| Uterus                    |  | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50    |
| Inflammation, Suppurative |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 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  
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: 20006 - 04

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Indole-3-carbinol  
CAS Number: 700-06-1

Date Report Requested: 06/15/2012

Time Report Requested: 12:41:18

First Dose M/F: 04/03/07 / 04/02/07

Lab: BAT

| B6C3F1 MICE FEMALE<br>62.5 mg/kg | DAY ON TEST |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |   |            |            |
|----------------------------------|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|---|------------|------------|
|                                  | 0730        | 0733 | 0733 | 0733 | 0738 | 0731 | 0732 | 0733 | 0733 | 0732 | 0733 | 0732 | 0734 | 0735 | 0733 | 0733 | 0733 | 0732 | 0731 | 0737 | 0737 | 0737 |   |            |            |
| ANIMAL ID                        | 0000        | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 |   |            |            |
|                                  | 276         | 277  | 278  | 279  | 280  | 281  | 282  | 283  | 284  | 285  | 286  | 287  | 288  | 289  | 290  | 291  | 292  | 293  | 294  | 295  | 296  | 297  |   | 298        | 299        |
| Inflammation, Chronic            |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 4 | <b>2.8</b> |            |
| Endometrium, Hyperplasia, Cystic | 3           | 1    | 3    | 1    |      | 2    | 1    |      | 1    | 1    | 2    | 1    | 2    |      |      | 3    | 2    |      | 1    | 1    | 1    |      | 3 | <b>32</b>  | <b>2.1</b> |

HEMATOPOIETIC SYSTEM

|   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |     |
|---|---|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|----|-----|
| Bone Marrow                             | + |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 50 |     |
| Lymph Node Renal, Ectasia               | + |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 5  | 3.0 |
| Lymph Node, Mandibular                  | + |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 49 |     |
| Lymph Node, Mesenteric                  | + |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 49 |     |
| Spleen Hematopoietic Cell Proliferation | + |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 30 | 1.4 |
| Hyperplasia, Lymphoid                   | + |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1  | 3.0 |
| Lymphoid Follicle, Atrophy              | + |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1  | 4.0 |
| Thymus Atrophy                          | + |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 40 | 1.9 |
| Hyperplasia                             | + |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1  | 3.0 |

INTEGUMENTARY SYSTEM

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

MUSCULOSKELETAL 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: 20006 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL  
 Indole-3-carbinol  
 CAS Number: 700-06-1

Date Report Requested: 06/15/2012  
 Time Report Requested: 12:41:18  
 First Dose M/F: 04/03/07 / 04/02/07  
 Lab: BAT

| B6C3F1 MICE FEMALE                                    | 62.5 mg/kg | DAY ON TEST |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          | * TOTALS |          |          |          |      |
|---|------------|-------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|------|
|   |            | 07<br>30    | 07<br>30 | 07<br>30 | 07<br>30 | 06<br>87 | 07<br>31 | 07<br>29 | 07<br>31 | 07<br>30 | 07<br>31 | 07<br>29 | 06<br>62 | 06<br>64 | 06<br>65 | 07<br>30 | 07<br>31 | 07<br>31 | 07<br>29 | 07<br>30 | 07<br>31 |          | 07<br>29 | 07<br>30 | 07<br>31 |      |
| 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     | 0100 |
| Bone Fibro-Osseous Lesion                             |            | +           | +        | +        | +        | +        | +        | +        | +        | +        | +        | +        | +        | +        | +        | +        | +        | +        | +        | +        | +        | +        | +        | +        | +        | +    |
|   |            | 1           | 1        |          |          | 2        |          |          |          |          |          | 1        |          |          |          |          | 2        |          |          |          |          |          |          | 1        | 1        |      |
| Skeletal Muscle                                       |            |             |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
|   |            |             |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
|   |            |             |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| <b>NERVOUS SYSTEM</b>                                 |            |             |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| Brain   |            | +           | +        | +        | +        | +        | +        | +        | +        | +        | +        | +        | +        | +        | +        | +        | +        | +        | +        | +        | +        | +        | +        | +        | +        | +    |
| Meninges, Inflammation, Chronic                       |            |             |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
|   |            |             |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
|   |            |             |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| <b>RESPIRATORY SYSTEM</b>                             |            |             |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| Lung  |            | +           | +        | +        | +        | +        | +        | +        | +        | +        | +        | +        | +        | +        | +        | +        | +        | +        | +        | +        | +        | +        | +        | +        | +        | +    |
| Hyperplasia, Lymphoid Inflammation, Chronic           |            |             |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| Alveolar Epithelium, Hyperplasia                      |            |             |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| Alveolus, Infiltration Cellular, Histiocyte           |            |             |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
|   |            |             |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
|   |            |             |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
|   |            |             |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| Nose  |            | +           | +        | +        | +        | +        | +        | +        | +        | +        | +        | +        | +        | +        | +        | +        | +        | +        | +        | +        | +        | +        | +        | +        | +        | +    |
| Inflammation  |            |             |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| Nerve, Olfactory Epithelium, Atrophy                  |            |             |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| Olfactory Epithelium, Accumulation, Hyaline Droplet   |            | 1           | 1        | 1        | 1        | 1        |          |          | 1        | 1        | 1        | 1        | 1        | 1        | 1        | 1        |          |          | 1        |          | 1        | 1        |          | 1        | 1        |      |
| Olfactory Epithelium, Atrophy                         |            |             |          |          |          |          |          |          |          |          |          | 1        |          |          |          |          |          |          |          |          |          |          |          |          | 1        |      |
| Olfactory Epithelium, Respiratory Metaplasia          |            |             |          |          |          | 1        |          | 1        |          |          |          |          |          |          |          |          | 1        |          | 1        |          |          |          |          |          | 8        |      |
| Respiratory Epithelium, Accumulation, Hyaline Droplet |            | 1           | 1        | 1        | 1        | 1        |          |          | 1        | 1        | 1        | 1        | 1        | 1        | 1        | 1        | 1        | 1        | 1        | 1        | 1        | 1        | 1        | 1        | 1        |      |
| Respiratory Epithelium, Hyperplasia                   |            | 1           |          | 1        | 1        |          | 1        |          | 1        |          | 1        | 1        |          | 1        | 1        | 1        | 1        |          | 1        |          |          |          |          | 1        |          |      |
|   |            |             |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
|   |            |             |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
|   |            |             |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| Trachea   |            | +           | +        | +        | +        | +        | +        | +        | +        | +        | +        | +        | +        | +        | +        | +        | +        | +        | +        | +        | +        | +        | +        | +        | +        | +    |
|   |            |             |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |      |

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Experiment Number: 20006 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

**P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**  
 Indole-3-carbinol  
 CAS Number: 700-06-1

Date Report Requested: 06/15/2012  
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 Lab: BAT

|  |  |                 |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |  |       |       |
|--|--|-----------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--|-------|-------|
| <b>B6C3F1 MICE FEMALE</b><br><br><b>62.5 mg/kg</b> |  | DAY ON TEST     | 0730  | 0730  | 0730  | 0730  | 0730  | 0730  | 0730  | 0730  | 0730  | 0730  | 0730  | 0730  | 0730  | 0730  | 0730  | 0730  | 0730  | 0730  | 0730  | 0730  | 0730  |  |       |       |
|  |  | 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 |
|  |  | <b>* TOTALS</b> |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |  |       |       |

**SPECIAL SENSES SYSTEM**

|   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |           |           |            |            |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|-----------|------------|------------|
| Eye                                     | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | <b>50</b> |           |            |            |
| Lens, Cataract                          |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |           |           | <b>1</b>   | <b>3.0</b> |
| Harderian Gland                         | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | <b>50</b> |           |            |            |
| Hyperplasia                             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |           | <b>3</b>  | <b>1.7</b> |            |
| Infiltration Cellular, Mononuclear Cell |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |           | <b>18</b> | <b>1.1</b> |            |

**URINARY SYSTEM**

|                 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |           |            |            |
|-----------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|------------|------------|
| Kidney          | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | <b>50</b> |            |            |
| Mineralization  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |           | <b>3</b>   | <b>1.3</b> |
| Nephropathy     | 1 |   |   | 1 | 2 | 1 | 1 |   |   | 1 |   |   |   | 1 |   | 2 | 1 | 4 |   |   | 1 |   |   |   | <b>25</b> | <b>1.2</b> |            |
| Urinary Bladder | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | <b>50</b> |            |            |

\* .. 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: 20006 - 04

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Indole-3-carbinol

CAS Number: 700-06-1

Date Report Requested: 06/15/2012

Time Report Requested: 12:41:18

First Dose M/F: 04/03/07 / 04/02/07

Lab: BAT

|                           |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |                          |
|---------------------------|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|--------------------------|
| <b>B6C3F1 MICE FEMALE</b> | DAY ON TEST | 0729 | 0729 | 0770 | 0774 | 0775 | 0777 | 0777 | 0776 | 0766 | 0767 | 0767 | 0767 | 0766 | 0776 | 0777 | 0766 | 0777 | 0777 | 0772 | 0752 | 0766 | 0766 | 0766 | 0767 | 0767 | <b>females (cont...)</b> |
|                           | 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 | 0033 |                          |

ALIMENTARY SYSTEM

|                           |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|---------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Esophagus                 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Gallbladder               | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Large, Cecum    | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Large, Colon    | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Large, Rectum   | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Small, Duodenum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Small, Ileum    | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Small, Jejunum  | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Liver                     | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Basophilic Focus          |   |   |   |   |   |   |   |   |   | X |   |   |   |   |   |   |   |   |   |   |   | X |   |   |   | X |
| Clear Cell Focus          |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Eosinophilic Focus        | X | X |   |   | X | X | X | X |   |   |   |   | X | X |   | X | X | X | X |   | X |   |   |   |   | X |
| Fatty Change              | 2 |   | 1 |   | 2 | 2 | 1 |   | 1 |   |   | 3 |   |   | 1 | 1 | 1 |   | 1 | 1 | 2 | 1 |   | 1 | 4 | 1 |
| Mixed Cell Focus          |   |   |   |   |   |   |   |   |   |   | X |   |   |   |   |   |   |   |   | X | X |   |   |   |   |   |
| Necrosis                  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Centrilobular, Necrosis   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Mesentery                 |   | + |   |   |   |   |   |   |   | + | + | + | + |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Fat, Necrosis             |   | 3 |   |   |   |   |   |   |   | 3 | 2 | 3 | 1 |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Pancreas                  | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |

\* .. 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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Experiment Number: 20006 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL  
 Indole-3-carbinol  
 CAS Number: 700-06-1

Date Report Requested: 06/15/2012  
 Time Report Requested: 12:41:18  
 First Dose M/F: 04/03/07 / 04/02/07  
 Lab: BAT

| B6C3F1 MICE FEMALE | DAY ON TEST | 0 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | females<br>(cont...) |   |   |   |   |   |
|--------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----------------------|---|---|---|---|---|
|                    |             | 7 | 7 | 7 | 7 | 5 | 7 | 7 | 6 | 6 | 7 | 6 | 7 | 7 | 6 | 7 | 7 | 6 | 7 | 7 | 5 |                      | 6 | 6 | 6 | 7 |   |
| 125 mg/kg          | ANIMAL ID   | 2 | 2 | 0 | 3 | 1 | 3 | 3 | 6 | 4 | 3 | 5 | 3 | 2 | 9 | 2 | 3 | 8 | 3 | 3 | 2 | 2                    | 0 | 4 | 2 |   |   |
|                    |             | 9 | 9 | 7 | 0 | 4 | 0 | 0 | 2 | 2 | 0 | 2 | 0 | 9 | 5 | 9 | 1 | 8 | 0 | 0 | 9 | 3                    | 6 | 6 | 5 |   | 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 |   |   |
|                    |             | 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 | 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 |   |

|                         |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|-------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Acinus, Hyperplasia     | 1 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Salivary Glands         | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Stomach, Forestomach    | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Ulcer                   |   | 2 |   |   |   |   |   |   |   |   |   | 3 |   | 2 |   |   |   |   |   |   |   |   | 3 | 1 |   |
| Epithelium, Hyperplasia |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Stomach, Glandular      | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |   |
| Inflammation, Chronic   |   | 1 |   |   |   | 1 | 1 | 1 | 1 | 1 |   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 |   |
| Mineralization          |   |   |   |   | 2 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 2 |   |   |
| Pigmentation            | 1 | 1 |   |   | 1 | 1 | 1 | 1 | 1 | 1 |   | 2 | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 |   |
| Epithelium, Hyperplasia |   | 1 |   |   | 1 |   |   |   |   |   |   | 2 |   |   |   |   |   |   |   |   |   |   |   | 2 |   |
| Tooth                   |   |   |   |   |   |   | + |   |   |   |   | + |   |   | + |   |   | + |   |   |   |   | + |   |   |
| Dysplasia               |   |   |   |   |   |   | 1 |   |   |   |   | 1 |   |   | 1 |   |   | 1 |   |   |   |   | 1 |   |   |

**CARDIOVASCULAR SYSTEM**

|                               |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|-------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Blood Vessel                  | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Mineralization                |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Heart                         | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Cardiomyopathy                |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Artery, Inflammation, Chronic |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |

**ENDOCRINE SYSTEM**

|                           |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|---------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Adrenal Cortex            | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Vacuolization Cytoplasmic |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |

\* .. 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: 20006 - 04

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Indole-3-carbinol

CAS Number: 700-06-1

Date Report Requested: 06/15/2012

Time Report Requested: 12:41:18

First Dose M/F: 04/03/07 / 04/02/07

Lab: BAT

| B6C3F1 MICE FEMALE | DAY ON TEST |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | females<br>(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 |   |   |
| 125 mg/kg          | 7           | 7 | 7 | 7 | 5 | 7 | 7 | 6 | 6 | 7 | 6 | 7 | 7 | 6 | 7 | 7 | 6 | 7 | 7 | 5 | 6 | 6                    | 6 | 7 |   |
|                    | 2           | 2 | 0 | 3 | 1 | 3 | 3 | 6 | 4 | 3 | 5 | 3 | 2 | 9 | 2 | 3 | 8 | 3 | 3 | 2 | 2 | 2                    | 0 | 4 | 2 |
|                    | 9           | 9 | 7 | 0 | 4 | 0 | 0 | 2 | 2 | 0 | 2 | 0 | 9 | 5 | 9 | 1 | 8 | 0 | 0 | 9 | 3 | 6                    | 6 | 5 | 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 |
|                    | 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 | 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 |

|  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|
| Adrenal Medulla Hyperplasia                | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |  |
|  |   |   |   |   |   |   |   | 3 |   |   |   |   |   |   | 1 |   |   |   |   |   | 1 |   |   |   |  |
| Islets, Pancreatic Hyperplasia             | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |  |
|  |   |   |   |   | 1 |   |   |   |   |   |   |   |   |   | 3 |   |   |   |   |   | 3 |   |   |   |  |
| Parathyroid Gland                          | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |  |
| Pituitary Gland Pars Distalis, Hyperplasia | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |  |
|  |   |   |   |   | 1 |   |   |   |   | 1 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |
| Thyroid Gland Inflammation, Chronic        | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |  |
|  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 2 |   |   |   |   |   |   |   |   |  |

GENERAL BODY SYSTEM

|                                  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|----------------------------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| Tissue NOS Inflammation, Chronic |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

GENITAL SYSTEM

|                                  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |
|----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|
| Clitoral Gland                   | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |  |
| Ovary Angiectasis                | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |  |
|                                  |   |   |   |   | 3 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |
| Ovary Cyst Inflammation, Chronic |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |
|                                  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |
|                                  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |
|                                  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |
|                                  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |
|                                  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |
| Uterus                           | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |  |

\* .. 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: 20006 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

**P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**  
 Indole-3-carbinol  
 CAS Number: 700-06-1

Date Report Requested: 06/15/2012  
 Time Report Requested: 12:41:18  
 First Dose M/F: 04/03/07 / 04/02/07  
 Lab: BAT

| B6C3F1 MICE FEMALE | DAY ON TEST      |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                       | ANIMAL ID | females<br>(cont...) |
|--------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|-----------------------|-----------|----------------------|
|                    | 0<br>7<br>2<br>9 | 0<br>7<br>2<br>9 | 0<br>7<br>0<br>7 | 0<br>7<br>3<br>0 | 0<br>5<br>1<br>4 | 0<br>7<br>3<br>0 | 0<br>7<br>3<br>0 | 0<br>6<br>6<br>2 | 0<br>6<br>4<br>2 | 0<br>7<br>3<br>0 | 0<br>6<br>5<br>2 | 0<br>7<br>3<br>0 | 0<br>6<br>2<br>9 | 0<br>7<br>9<br>5 | 0<br>7<br>3<br>1 | 0<br>6<br>8<br>8 | 0<br>7<br>3<br>0 | 0<br>7<br>3<br>0 | 0<br>5<br>2<br>3 | 0<br>6<br>2<br>6 | 0<br>6<br>0<br>6 | 0<br>6<br>4<br>5 | 0<br>7<br>2<br>9 |                       |           |                      |
| 125 mg/kg          | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0<br>0<br>3<br>0<br>1 | 2         |                      |

Metaplasia, Squamous  
 Endometrium, Hyperplasia, Cystic

|   |   |  |   |   |  |  |  |   |   |  |   |  |  |  |   |   |   |   |   |   |   |   |   |   |
|---|---|--|---|---|--|--|--|---|---|--|---|--|--|--|---|---|---|---|---|---|---|---|---|---|
| 2 | 3 |  | 2 | 2 |  |  |  | 1 | 2 |  | 1 |  |  |  | 2 | 1 | 3 | 3 | 2 | 2 | 4 | 2 | 1 | 3 |
|---|---|--|---|---|--|--|--|---|---|--|---|--|--|--|---|---|---|---|---|---|---|---|---|---|

**HEMATOPOIETIC SYSTEM**

|  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Bone Marrow                                | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |   |
| Lymph Node<br>Lumbar, Hemorrhage           |   |   |   |   |   |   |   |   |   |   |   |   | + | + |   |   |   |   |   |   |   |   | + |   |
| Renal, Ectasia                             |   |   |   |   |   |   |   |   |   |   |   |   | 2 | 3 |   |   |   |   |   |   |   |   | 3 |   |
| Lymph Node, Mandibular                     | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |   |
| Lymph Node, Mesenteric                     | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |   |
| Spleen<br>Hematopoietic Cell Proliferation | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |   |
| Hyperplasia, Granulocytic                  | 1 | 1 |   | 1 | 1 |   |   |   |   |   |   | 2 | 1 | 2 | 2 | 1 |   |   |   | 1 |   |   | 1 | 1 |
| Thymus<br>Atrophy                          | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |   |
|  | 2 | 1 | 3 | 1 | 1 |   | 1 |   | 4 | 1 |   | 1 |   | 4 |   | 1 | 2 | 1 | 3 | 1 |   |   | 4 | 2 |

**INTEGUMENTARY SYSTEM**

|  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Mammary Gland                              | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Skin<br>Ulcer                              | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Subcutaneous Tissue, Inflammation, Chronic |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 2 |

**MUSCULOSKELETAL 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: 20006 - 04

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Indole-3-carbinol

CAS Number: 700-06-1

Date Report Requested: 06/15/2012

Time Report Requested: 12:41:18

First Dose M/F: 04/03/07 / 04/02/07

Lab: BAT

|                           |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|---------------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| <b>B6C3F1 MICE FEMALE</b> | 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 | 0 |   |
|                           |             | 7 | 7 | 7 | 7 | 5 | 7 | 7 | 6 | 6 | 7 | 6 | 7 | 7 | 6 | 7 | 7 | 6 | 7 | 6 | 7 | 7 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| <b>125 mg/kg</b>          | 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 | 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 | 3 |
|                           |             | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|                           |             | 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 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 |

females (cont...)

|                           |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |   |
|---------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|---|
| Bone Fibro-Osseous Lesion | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |  |   |
|                           | 1 | 1 |   |   |   |   |   |   |   |   |   | 2 |   | 1 |   | 1 |   |   |   |   | 1 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1 |  |   |
| Skeletal Muscle           |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  | + |

NERVOUS SYSTEM

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

RESPIRATORY SYSTEM

|  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lung   | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |   |   |   |
| Metaplasia, Osseous Alveolar Epithelium, Hyperplasia Alveolus, Infiltration Cellular, Histiocyte |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 2 |
| Nose   | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |   |
| Foreign Body   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Inflammation   | 1 |   |   | 1 |   |   |   |   |   |   |   | 1 | 1 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 2 |   |
| Nerve, Atrophy   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 2 |   |
| Olfactory Epithelium, Accumulation, Hyaline Droplet  |   |   |   |   |   |   |   | 2 |   |   |   |   |   |   | 2 |   |   | 1 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 2 |   |
| Olfactory Epithelium, Atrophy  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 2 |   |
| Olfactory Epithelium, Degeneration   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 3 |   |
| Olfactory Epithelium, Necrosis   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 2 |   |
| Olfactory Epithelium, Respiratory Metaplasia   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1 |   |
| Respiratory Epithelium, Accumulation, Hyaline Droplet  | 1 | 1 | 2 | 1 |   | 1 | 2 | 1 | 1 | 1 | 1 | 1 | 1 |   | 1 | 1 |   |   |   |   |   |   |   |   |   |   | 1 | 1 |   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |   |   |
| Respiratory Epithelium, Hyperplasia  | 1 |   | 1 |   | 1 | 1 |   | 1 | 1 | 1 |   |   |   |   | 1 | 1 | 1 | 1 | 1 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1 |   |   |
| Respiratory Epithelium, Necrosis   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |

\* .. 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: 20006 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL  
 Indole-3-carbinol  
 CAS Number: 700-06-1

Date Report Requested: 06/15/2012  
 Time Report Requested: 12:41:18  
 First Dose M/F: 04/03/07 / 04/02/07  
 Lab: BAT

| B6C3F1 MICE FEMALE                           | DAY ON TEST |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | ANIMAL ID | females<br>(cont...) |   |   |   |   |  |
|--|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|----------------------|---|---|---|---|--|
|  | 0           | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |           |                      | 0 | 0 |   |   |  |
| 125 mg/kg                                    | 7           | 7 | 7 | 7 | 5 | 7 | 7 | 6 | 6 | 7 | 6 | 7 | 7 | 6 | 7 | 7 | 6 | 7 | 7 | 7 | 5         | 6                    | 6 | 6 | 7 | 0 |  |
|  | 2           | 2 | 0 | 3 | 1 | 3 | 3 | 6 | 4 | 3 | 5 | 3 | 2 | 9 | 2 | 3 | 8 | 3 | 3 | 2 | 2         | 2                    | 0 | 4 | 2 | 0 |  |
|  | 9           | 9 | 7 | 0 | 4 | 0 | 0 | 2 | 2 | 0 | 2 | 0 | 9 | 5 | 9 | 1 | 8 | 0 | 0 | 9 | 3         | 6                    | 6 | 5 | 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 |  |
|  | 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 | 1 | 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 | 0 |  |
| Trachea                                      | +           |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |           |                      |   |   |   |   |  |
| <b>SPECIAL SENSES SYSTEM</b>                 |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |           |                      |   |   |   |   |  |
| Eye  | +           |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |           |                      |   |   |   |   |  |
| Cornea, Inflammation, Chronic Lens, Cataract |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |           |                      |   |   |   | 4 |  |
| Harderian Gland                              | +           |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |           |                      |   |   |   |   |  |
| Hyperplasia                                  |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |           |                      |   |   |   | 2 |  |
| Infiltration Cellular, Mononuclear Cell      |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |           |                      |   |   |   | 1 |  |
| <b>URINARY SYSTEM</b>                        |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |           |                      |   |   |   |   |  |
| Kidney                                       | +           |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |           |                      |   |   |   |   |  |
| Infarct                                      |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |           |                      |   |   |   | 3 |  |
| Mineralization                               |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |           |                      |   |   |   | 1 |  |
| Nephropathy                                  | 1           |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |           |                      |   |   |   | 1 |  |
| Renal Tubule, Cyst                           | 1           |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |           |                      |   |   |   | 2 |  |
| Urinary Bladder                              | +           |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |           |                      |   |   |   |   |  |

\* .. 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:  
 1) Minimal 3) Moderate  
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Experiment Number: 20006 - 04

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Indole-3-carbinol

CAS Number: 700-06-1

Date Report Requested: 06/15/2012

Time Report Requested: 12:41:18

First Dose M/F: 04/03/07 / 04/02/07

Lab: BAT

| B6C3F1 MICE FEMALE            | DAY ON TEST |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       | * TOTALS |       |        |
|-------------------------------|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------|-------|--------|
|                               | 0569        | 0381  | 0686  | 0661  | 0526  | 0731  | 0639  | 0731  | 0471  | 0779  | 0670  | 0770  | 0779  | 0672  | 0729  | 0662  | 0731  | 0669  | 0667  | 0771  |          | 0576  | 0771   |
| 125 mg/kg                     | ANIMAL ID   |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          |       |        |
|                               | 00326       | 00332 | 00332 | 00332 | 00333 | 00333 | 00333 | 00333 | 00333 | 00333 | 00333 | 00333 | 00333 | 00333 | 00333 | 00333 | 00333 | 00333 | 00333 | 00333 | 00333    | 00333 |        |
| Acinus, Hyperplasia           |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          |       | 1 1.0  |
| Salivary Glands               | +           | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +        | +     | 50     |
| Stomach, Forestomach          | +           | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +        | +     | 50     |
| Ulcer                         |             |       |       |       |       |       |       |       |       |       |       |       | 2     | 2     |       |       | 2     |       |       |       |          |       | 8 2.1  |
| Epithelium, Hyperplasia       |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       | 2     |       |       |          |       | 1 2.0  |
| Stomach, Glandular            | +           | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +        | +     | 49     |
| Inflammation, Chronic         |             |       |       |       |       | 1     |       |       |       |       |       | 1     |       | 1     |       | 1     | 1     | 1     | 2     |       | 1        | 1     | 29 1.1 |
| Mineralization                |             |       |       |       |       |       | 1     |       |       |       |       |       |       |       |       |       |       |       |       |       |          |       | 3 1.7  |
| Pigmentation                  |             |       |       |       |       | 2     |       |       |       |       | 1     |       | 2     | 1     | 1     | 1     |       | 2     | 1     |       | 1        | 1     | 31 1.2 |
| Epithelium, Hyperplasia       |             |       |       |       |       | 1     |       |       |       |       | 1     |       | 1     |       |       |       |       | 1     | 1     |       |          | 1     | 10 1.2 |
| Tooth                         |             |       |       |       |       |       |       |       |       |       |       | +     | +     |       |       |       |       |       |       |       |          |       | 9      |
| Dysplasia                     |             |       |       |       |       |       |       |       |       |       |       | 1     | 1     |       |       |       |       |       |       |       |          |       | 9 1.0  |
| <b>CARDIOVASCULAR SYSTEM</b>  |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          |       |        |
| Blood Vessel                  | +           | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +        | +     | 50     |
| Mineralization                |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          |       | 1 2.0  |
| Heart                         | +           | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +        | +     | 50     |
| Cardiomyopathy                |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       | 1     |       |          |       | 1 1.0  |
| Artery, Inflammation, Chronic |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          |       | 1 2.0  |
| <b>ENDOCRINE SYSTEM</b>       |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          |       |        |
| Adrenal Cortex                | +           | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +        | +     | 50     |
| Vacuolization Cytoplasmic     |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       | 1     |       |       |          |       | 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:

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Experiment Number: 20006 - 04

Test Type: CHRONIC

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Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Indole-3-carbinol

CAS Number: 700-06-1

Date Report Requested: 06/15/2012

Time Report Requested: 12:41:18

First Dose M/F: 04/03/07 / 04/02/07

Lab: BAT

| B6C3F1 MICE FEMALE<br>125 mg/kg               | DAY ON TEST           |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | * TOTALS              |                       |                       |                       |
|---|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
|   | 0<br>5<br>6<br>9      | 0<br>3<br>8<br>1      | 0<br>6<br>8<br>6      | 0<br>6<br>2<br>1      | 0<br>5<br>3<br>6      | 0<br>7<br>3<br>1      | 0<br>6<br>3<br>9      | 0<br>7<br>3<br>1      | 0<br>4<br>8<br>1      | 0<br>7<br>2<br>9      | 0<br>7<br>3<br>0      | 0<br>6<br>2<br>1      | 0<br>7<br>3<br>9      | 0<br>7<br>2<br>2      | 0<br>6<br>1<br>9      | 0<br>7<br>3<br>2      | 0<br>7<br>1<br>9      | 0<br>6<br>4<br>7      | 0<br>6<br>2<br>9      | 0<br>7<br>3<br>1      |                       | 0<br>6<br>3<br>8      | 0<br>5<br>9<br>7      | 0<br>7<br>3<br>1      |
| ANIMAL ID                                     | 0<br>0<br>3<br>2<br>6 | 0<br>0<br>3<br>2<br>7 | 0<br>0<br>3<br>2<br>8 | 0<br>0<br>3<br>2<br>9 | 0<br>0<br>3<br>3<br>0 | 0<br>0<br>3<br>3<br>1 | 0<br>0<br>3<br>3<br>2 | 0<br>0<br>3<br>3<br>3 | 0<br>0<br>3<br>3<br>4 | 0<br>0<br>3<br>3<br>5 | 0<br>0<br>3<br>3<br>6 | 0<br>0<br>3<br>3<br>7 | 0<br>0<br>3<br>3<br>8 | 0<br>0<br>3<br>3<br>9 | 0<br>0<br>3<br>4<br>0 | 0<br>0<br>3<br>4<br>1 | 0<br>0<br>3<br>4<br>2 | 0<br>0<br>3<br>4<br>3 | 0<br>0<br>3<br>4<br>4 | 0<br>0<br>3<br>4<br>5 | 0<br>0<br>3<br>4<br>6 | 0<br>0<br>3<br>4<br>7 | 0<br>0<br>3<br>4<br>8 | 0<br>0<br>3<br>4<br>9 |
| Adrenal Medulla<br>Hyperplasia                | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | 50<br>3 1.7           |
| Islets, Pancreatic<br>Hyperplasia             | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | 2                     | +                     | 50<br>4 2.3           |
| Parathyroid Gland                             | +                     | +                     | +                     | +                     | +                     | M                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | 49                    |                       |
| Pituitary Gland<br>Pars Distalis, Hyperplasia | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | 2                     | +                     | 50<br>6 1.7           |
| Thyroid Gland<br>Inflammation, Chronic        | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | M                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | 49<br>1 2.0           |
| <b>GENERAL BODY SYSTEM</b>                    |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |
| Tissue NOS<br>Inflammation, Chronic           |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | 1<br>1 1.0            |
| <b>GENITAL SYSTEM</b>                         |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |
| Clitoral Gland                                | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | 50                    |
| Ovary   | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | 50                    |
| Angiectasis                                   |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | 1 3.0                 |
| Cyst  |                       |                       |                       |                       |                       | X                     |                       |                       | X                     |                       |                       |                       |                       |                       |                       | X                     | X                     |                       |                       |                       | X                     |                       |                       | 9                     |
| Inflammation, Chronic                         |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | 1 2.0                 |
| Mineralization                                |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | 1                     |                       |                       |                       |                       | 1 1.0                 |
| Thrombosis                                    |                       |                       |                       |                       |                       |                       | X                     |                       |                       |                       |                       |                       |                       | X                     |                       |                       |                       |                       |                       |                       |                       |                       |                       | 2                     |
| Uterus  | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | +                     | 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:

1) Minimal 3) Moderate

2) Mild 4) Marked

Experiment Number: 20006 - 04

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Indole-3-carbinol
CAS Number: 700-06-1

Date Report Requested: 06/15/2012

Time Report Requested: 12:41:18

First Dose M/F: 04/03/07 / 04/02/07

Lab: BAT

Table with columns for B6C3F1 MICE FEMALE, 125 mg/kg, DAY ON TEST, ANIMAL ID, and \* TOTALS. It lists 24 animals and their respective lesion counts across various categories.

Metaplasia, Squamous 1 2.0
Endometrium, Hyperplasia, Cystic 1 2 3 2 1 2 1 3 3 3 1 2 30 2.0

HEMATOPOIETIC SYSTEM

Table listing hematopoietic system findings: Bone Marrow, Lymph Node (Lumbar, Hemorrhage; Renal, Ectasia), Lymph Node (Mandibular; Mesenteric), Spleen (Hematopoietic Cell Proliferation; Hyperplasia, Granulocytic), Thymus (Atrophy). Includes counts and severity grades.

INTEGUMENTARY SYSTEM

Table listing integumentary system findings: Mammary Gland, Skin (Ulcer; Subcutaneous Tissue, Inflammation, Chronic). Includes counts and severity grades.

MUSCULOSKELETAL SYSTEM

\* .. 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: 20006 - 04

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Indole-3-carbinol
CAS Number: 700-06-1

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Time Report Requested: 12:41:18

First Dose M/F: 04/03/07 / 04/02/07

Lab: BAT

Table with columns for DAY ON TEST (0-25) and ANIMAL ID (0-25). Rows include B6C3F1 MICE FEMALE and 125 mg/kg. A \*TOTALS row is at the bottom right.

Table of findings: Bone Fibro-Osseous Lesion (50 total, 11.3 mean), Skeletal Muscle (2 total).

NERVOUS SYSTEM

Brain findings: 50 total.

RESPIRATORY SYSTEM

Lung findings: Lung (50 total), Metaplasia, Osseous (1 total, 1.0 mean), Alveolar Epithelium, Hyperplasia (2 total, 2.0 mean), Alveolus, Infiltration Cellular, Histiocyte (1 total, 2.0 mean).

Nose findings: Foreign Body (1 total, 1.0 mean), Inflammation (8 total, 1.1 mean), Nerve, Atrophy (1 total, 2.0 mean), Olfactory Epithelium, Accumulation, Hyaline Droplet (21 total, 1.1 mean), Olfactory Epithelium, Atrophy (3 total, 2.0 mean), Olfactory Epithelium, Degeneration (2 total, 2.0 mean), Olfactory Epithelium, Necrosis (2 total, 1.5 mean), Olfactory Epithelium, Respiratory Metaplasia (16 total, 1.0 mean), Respiratory Epithelium, Accumulation, Hyaline Droplet (42 total, 1.1 mean), Respiratory Epithelium, Hyperplasia (38 total, 1.0 mean), Respiratory Epithelium, Necrosis (1 total, 1.0 mean).

\* .. 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:** 20006 - 04  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** MICE/B6C3F1

**P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**  
 Indole-3-carbinol  
**CAS Number:** 700-06-1

**Date Report Requested:** 06/15/2012  
**Time Report Requested:** 12:41:18  
**First Dose M/F:** 04/03/07 / 04/02/07  
**Lab:** BAT

| DAY ON TEST                             | B6C3F1 MICE FEMALE |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | * TOTALS |   |   |   |   |               |              |
|---|--------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----------|---|---|---|---|---------------|--------------|
|   | 125 mg/kg          |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |          |   |   |   |   |               |              |
| 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             |              |
| 5                                       | 3                  | 6 | 6 | 5 | 7 | 6 | 7 | 4 | 7 | 7 | 6 | 7 | 7 | 7 | 6 | 7 | 7 | 6 | 6 | 7 | 7 | 6        | 5 | 7 | 7 | 7 | 7             |              |
| 6                                       | 8                  | 8 | 6 | 2 | 3 | 3 | 3 | 8 | 2 | 3 | 2 | 3 | 2 | 2 | 1 | 2 | 3 | 1 | 4 | 2 | 3 | 3        | 9 | 3 | 9 | 3 | 3             |              |
| 9                                       | 1                  | 6 | 1 | 6 | 1 | 9 | 1 | 1 | 9 | 0 | 1 | 0 | 9 | 9 | 2 | 9 | 0 | 9 | 7 | 9 | 1 | 8        | 7 | 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             |              |
| 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             |              |
| 2                                       | 2                  | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 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 | 0 | 0 | 0 | 0             |              |
|   |                    |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |          |   |   |   |   |               |              |
|   |                    |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |          |   |   |   |   |               |              |
| Trachea                                 | +                  | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | +        | + | + | + | + | +             | <b>50</b>    |
| <b>SPECIAL SENSES SYSTEM</b>            |                    |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |          |   |   |   |   |               |              |
| Eye                                     | +                  | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | +        | + | + | + | + | +             | <b>50</b>    |
| Cornea, Inflammation, Chronic           |                    |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |          |   |   |   |   |               | <b>1 4.0</b> |
| Lens, Cataract                          |                    |   | 4 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |          |   |   |   |   |               | <b>1 4.0</b> |
| Harderian Gland                         | +                  | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | +        | + | + | + | + | +             | <b>50</b>    |
| Hyperplasia                             |                    |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |          |   |   |   |   |               | <b>5 2.2</b> |
| Infiltration Cellular, Mononuclear Cell |                    |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |          |   |   |   | 3 |               | <b>8 1.0</b> |
| <b>URINARY SYSTEM</b>                   |                    |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |          |   |   |   |   |               |              |
| Kidney                                  | +                  | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | +        | + | + | + | + | +             | <b>50</b>    |
| Infarct                                 |                    |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |          |   |   |   |   |               | <b>1 3.0</b> |
| Mineralization                          |                    |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1 |   |   |   |          |   |   |   |   |               | <b>4 1.3</b> |
| Nephropathy                             |                    |   |   |   |   | 1 |   | 2 |   | 1 | 1 | 1 |   |   | 1 |   |   |   | 1 |   | 1 |          | 1 | 1 | 1 |   | <b>19 1.1</b> |              |
| Renal Tubule, Cyst                      |                    |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |          |   |   |   |   |               | <b>1 2.0</b> |
| Urinary Bladder                         | +                  | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | +        | + | + | + | + | +             | <b>50</b>    |

\* .. 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: 20006 - 04  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: MICE/B6C3F1

**P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**  
 Indole-3-carbinol  
 CAS Number: 700-06-1

Date Report Requested: 06/15/2012  
 Time Report Requested: 12:41:18  
 First Dose M/F: 04/03/07 / 04/02/07  
 Lab: BAT

| B6C3F1 MICE FEMALE<br>250 mg/kg | 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<br>(cont...) |  |
|---------------------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|----------------------|--|
|                                 | 7           | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 5 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |           |                      |  |
|                                 | 3           | 2 | 3 | 0 | 2 | 3 | 2 | 3 | 0 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 2 | 3 | 3 | 3 | 0 | 3 | 0 | 2 | 9         | 0                    |  |
|                                 | 1           | 9 | 1 | 3 | 9 | 0 | 9 | 0 | 5 | 1 | 0 | 0 | 1 | 1 | 0 | 0 | 9 | 0 | 1 | 9 | 0 | 6 | 9 | 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                    |  |
|                                 | 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                    |  |
|                                 | 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         | 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         | 0                    |  |

**ALIMENTARY SYSTEM**

|                            |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|----------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Esophagus                  | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |   |
| Gallbladder                | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |   |
| Intestine Large, Cecum     | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |   |
| Intestine Large, Colon     | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |   |
| Intestine Large, Rectum    | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |   |
| Intestine Small, Duodenum  | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |   |
| Intestine Small, Ileum     | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |   |
| Intestine Small, Jejunum   | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |   |
| Liver                      | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |   |
| Basophilic Focus           | X |   |   |   |   |   |   |   |   |   |   | X |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Clear Cell Focus           |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Eosinophilic Focus         |   | X | X | X | X | X |   |   | X |   |   |   |   |   | X |   |   | X |   | X | X | X |   |   |   |
| Fatty Change               |   | 1 | 2 | 2 | 1 | 2 | 2 |   | 2 | 1 | 2 | 2 | 1 | 1 | 2 |   | 1 | 2 |   | 2 | 1 | 1 | 1 | 1 |   |
| Hepatodiaphragmatic Nodule |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Hyperplasia, Lymphoid      |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Mixed Cell Focus           |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Mesentery                  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Fat, Necrosis              |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | + |
|                            |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 3 |
| Pancreas                   | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |   |

\* .. 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: 20006 - 04  
Test Type: CHRONIC  
Route: GAVAGE  
Species/Strain: MICE/B6C3F1

**P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**

Indole-3-carbinol  
CAS Number: 700-06-1

Date Report Requested: 06/15/2012  
Time Report Requested: 12:41:18  
First Dose M/F: 04/03/07 / 04/02/07  
Lab: BAT

| B6C3F1 MICE FEMALE            | 250 mg/kg | DAY ON TEST |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | ANIMAL ID | females<br>(cont...) |   |   |   |   |   |   |   |   |
|-------------------------------|-----------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|----------------------|---|---|---|---|---|---|---|---|
|                               |           | 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 | 5 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |           |                      |   |   |   |   |   |   |   |   |
|                               |           | 3           | 2 | 3 | 0 | 2 | 3 | 2 | 3 | 0 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 2 | 3         | 3                    | 3 | 3 | 0 | 2 | 9 | 9 | 1 |   |
|                               |           | 1           | 9 | 1 | 3 | 9 | 0 | 9 | 0 | 5 | 1 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 9 | 0         | 1                    | 9 | 0 | 6 | 9 | 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 |
|                               |           | 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 |
|                               |           | 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 | 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 |   |   |   |   |   |
| Acinus, Atrophy               |           | 1           |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |           |                      |   |   |   |   |   |   |   |   |
| Salivary Glands<br>Duct, Cyst |           | +           | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | +         | +                    | + | + | + | + | + | + | + |   |
| Stomach, Forestomach<br>Ulcer |           | +           | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | +         | +                    | + | + | + | + | + | + | + |   |
| Stomach, Glandular<br>Erosion |           | +           | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | +         | +                    | + | + | + | + | + | + | + |   |
| Inflammation, Chronic         |           | 2           | 2 | 1 | 2 | 1 | 1 | 1 | 1 | 1 | 2 | 1 | 1 | 1 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1         | 1                    | 1 | 1 | 2 | 2 | 2 | 2 | 2 |   |
| Pigmentation                  |           | 1           | 2 | 2 | 2 | 2 | 2 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 1 | 2 | 2 | 2 | 2 | 2 | 2         | 2                    | 2 | 2 | 2 | 2 | 2 | 2 | 2 |   |
| Epithelium, Hyperplasia       |           | 2           | 2 | 2 | 1 | 2 | 2 | 1 |   | 2 |   | 1 |   |   |   | 1 | 1 | 1 | 1 |   | 1 | 1         |                      |   | 1 |   |   |   |   |   |   |
| Tongue                        |           |             |   |   |   |   |   | + |   |   |   |   |   |   |   |   |   |   |   |   |   |           |                      |   |   |   |   |   |   |   |   |
| Tooth<br>Dysplasia            |           |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |           |                      |   |   |   |   |   |   |   |   |

**CARDIOVASCULAR SYSTEM**

|  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|--|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Blood Vessel<br>Aorta, Inflammation, Chronic |  | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Heart<br>Cardiomyopathy                      |  | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Artery, Inflammation, Chronic                |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Myocardium, Mineralization                   |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |

**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: 20006 - 04

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Indole-3-carbinol

CAS Number: 700-06-1

Date Report Requested: 06/15/2012

Time Report Requested: 12:41:18

First Dose M/F: 04/03/07 / 04/02/07

Lab: BAT

| B6C3F1 MICE FEMALE<br>250 mg/kg   | DAY ON TEST      |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  | ANIMAL ID | females<br>(cont...) |
|---|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|-----------|----------------------|
|   | 0<br>7<br>3<br>1 | 0<br>7<br>2<br>9 | 0<br>7<br>3<br>1 | 0<br>6<br>0<br>3 | 0<br>7<br>2<br>9 | 0<br>7<br>3<br>0 | 0<br>7<br>2<br>9 | 0<br>7<br>3<br>0 | 0<br>7<br>3<br>0 | 0<br>5<br>3<br>5 | 0<br>7<br>3<br>1 | 0<br>7<br>3<br>0 | 0<br>7<br>3<br>0 | 0<br>7<br>3<br>1 | 0<br>7<br>3<br>1 | 0<br>7<br>3<br>0 | 0<br>7<br>3<br>0 | 0<br>7<br>3<br>0 | 0<br>7<br>3<br>1 | 0<br>7<br>3<br>0 | 0<br>7<br>3<br>0 | 0<br>7<br>3<br>0 | 0<br>7<br>3<br>0 | 0<br>7<br>3<br>0 |           |                      |
| Adrenal Cortex Necrosis   | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | 1         |                      |
| Adrenal Medulla   | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                |           |                      |
| Islets, Pancreatic Hyperplasia  | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                |           | 1                    |
| Parathyroid Gland   | +                | +                | +                | +                | +                | +                | M                | +                | +                | M                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                |                  |           |                      |
| Pituitary Gland<br>Pars Distalis, Hyperplasia<br>Pars Distalis, Vacuolization Cytoplasmic | +                | +                | +                | +                | +                | I                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | 1                | 2         |                      |
| Thyroid Gland<br>Follicle, Hyperplasia  | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | 2                |           |                      |
| <b>GENERAL BODY SYSTEM</b>  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |           |                      |
| NONE  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |           |                      |
| <b>GENITAL SYSTEM</b>   |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |           |                      |
| Clitoral Gland  | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                |           |                      |
| Ovary<br>Angiectasis<br>Cyst<br>Thrombosis  | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | X         | X                    |
| Uterus  | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                |           |                      |

\* .. 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: 20006 - 04

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: MICE/B6C3F1

**P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**

Indole-3-carbinol

CAS Number: 700-06-1

Date Report Requested: 06/15/2012

Time Report Requested: 12:41:18

First Dose M/F: 04/03/07 / 04/02/07

Lab: BAT

| B6C3F1 MICE FEMALE               | DAY ON TEST           |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | ANIMAL ID             | females<br>(cont...)  |                       |                       |                       |                       |                       |                       |                       |                       |                       |  |
|----------------------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|--|
|                                  | 0<br>7<br>3<br>1      | 0<br>7<br>2<br>9      | 0<br>7<br>3<br>1      | 0<br>6<br>0<br>3      | 0<br>7<br>2<br>9      | 0<br>7<br>3<br>0      | 0<br>7<br>2<br>9      | 0<br>7<br>3<br>0      | 0<br>7<br>2<br>9      | 0<br>7<br>3<br>0      | 0<br>5<br>3<br>5      | 0<br>7<br>3<br>1      | 0<br>7<br>3<br>0      | 0<br>7<br>3<br>3      | 0<br>7<br>3<br>3      | 0<br>7<br>3<br>3      | 0<br>7<br>3<br>3      | 0<br>7<br>3<br>3      | 0<br>7<br>2<br>9      | 0<br>7<br>3<br>3      | 0<br>7<br>2<br>9      | 0<br>7<br>3<br>0      | 0<br>7<br>0<br>6      | 0<br>7<br>7<br>9      |                       |                       | 0<br>7<br>7<br>9      | 0<br>4<br>9<br>1      |                       |                       |                       |                       |                       |                       |                       |  |
| 250 mg/kg                        | 0<br>0<br>3<br>5<br>1 | 0<br>0<br>3<br>5<br>2 | 0<br>0<br>3<br>5<br>3 | 0<br>0<br>3<br>5<br>4 | 0<br>0<br>3<br>5<br>5 | 0<br>0<br>3<br>5<br>6 | 0<br>0<br>3<br>5<br>7 | 0<br>0<br>3<br>5<br>8 | 0<br>0<br>3<br>5<br>9 | 0<br>0<br>3<br>5<br>0 | 0<br>0<br>3<br>5<br>1 | 0<br>0<br>3<br>6<br>2 | 0<br>0<br>3<br>6<br>3 | 0<br>0<br>3<br>6<br>4 | 0<br>0<br>3<br>6<br>5 | 0<br>0<br>3<br>6<br>6 | 0<br>0<br>3<br>6<br>7 | 0<br>0<br>3<br>6<br>8 | 0<br>0<br>3<br>6<br>9 | 0<br>0<br>3<br>7<br>0 | 0<br>0<br>3<br>7<br>1 | 0<br>0<br>3<br>7<br>2 | 0<br>0<br>3<br>7<br>3 | 0<br>0<br>3<br>7<br>4 | 0<br>0<br>3<br>7<br>5 | 0<br>0<br>3<br>7<br>6 | 0<br>0<br>3<br>7<br>7 | 0<br>0<br>3<br>7<br>8 | 0<br>0<br>3<br>7<br>9 | 0<br>0<br>3<br>7<br>0 | 0<br>0<br>3<br>7<br>1 | 0<br>0<br>3<br>7<br>2 | 0<br>0<br>3<br>7<br>3 | 0<br>0<br>3<br>7<br>4 | 0<br>0<br>3<br>7<br>5 |  |
| Endometrium, Hyperplasia, Cystic | 2 3                   |                       | 1                     |                       | 3 3                   |                       | 3 1                   |                       | 1 1                   |                       | 1 2                   |                       | 3 1                   |                       | 1                     |                       | 1                     |                       | 1 1                   |                       | 1                     |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |  |

**HEMATOPOIETIC SYSTEM**

|                                  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|----------------------------------|---|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| Bone Marrow                      | +   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Lymph Node                       |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Lymph Node, Mandibular           | +   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Lymph Node, Mesenteric           | + + + + + + + + + + + + + + + + + + M + + + + + + |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Spleen                           | +   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Hematopoietic Cell Proliferation | 1 2 2 1 2 1 2 2 1 1 2 2 1 1 2 1 1 2 1 1 2 2 2     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Hyperplasia, Mast Cell           | 3   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Thymus                           | +   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Atrophy                          | 2 2 2 2 2 2 1 2 3 1 3 1 1 1 1 2 1 1 1 2 2 2 2 4   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

**INTEGUMENTARY SYSTEM**

|                                 |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|---------------------------------|---|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| Mammary Gland                   | + |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Skin                            | + |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Subcutaneous Tissue, Hemorrhage |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

**MUSCULOSKELETAL SYSTEM**

|                      |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|----------------------|---|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| Bone                 | + |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Fibro-Osseous Lesion | 2 2 1 1 1 2 1 1 2 1 1 2 1 2 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  
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Experiment Number: 20006 - 04

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Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Indole-3-carbinol

CAS Number: 700-06-1

Date Report Requested: 06/15/2012

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Lab: BAT

|                           |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                                    |
|---------------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|------------------------------------|
| <b>B6C3F1 MICE FEMALE</b> | 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 | <b>females</b><br><b>(cont...)</b> |
|                           |             | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 5 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |                                    |
| <b>250 mg/kg</b>          |             | 3 | 2 | 3 | 0 | 2 | 3 | 2 | 3 | 0 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 2 | 3 | 3 | 3 | 2 | 3 | 0 | 2 | 9 |                                    |
|                           | ANIMAL ID   | 1 | 9 | 1 | 3 | 9 | 0 | 9 | 0 | 5 | 1 | 0 | 1 | 1 | 0 | 0 | 0 | 9 | 0 | 1 | 9 | 0 | 6 | 6 | 9 | 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 |                                    |
|                           |             | 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 |                                    |
|                           |             | 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 |                                    |
|                           |             | 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 |                                    |

NERVOUS SYSTEM

|                             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|-----------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Brain                       | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Inflammation, Granulomatous |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |

RESPIRATORY SYSTEM

|   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lung  | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Hemorrhage  |   |   |   | 2 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Alveolar Epithelium, Hyperplasia                      |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Alveolus, Infiltration Cellular, Histiocyte           |   |   |   | 2 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Nose  | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Foreign Body  |   |   |   | X |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Inflammation  |   |   |   |   | 1 | 1 | 1 | 1 | 1 | 1 | 2 |   | 1 | 2 | 1 |   | 1 | 1 | 1 | 1 | 1 |   |   |   | 1 |   |
| Nerve, Atrophy  | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| Olfactory Epithelium, Accumulation, Hyaline Droplet   |   |   |   |   | 2 | 2 | 1 | 2 | 2 | 2 | 2 | 2 | 3 | 3 |   | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 4 | 2 | 2 |   |
| Olfactory Epithelium, Atrophy                         | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 1 |   | 2 | 3 | 2 | 2 | 2 | 2 |   | 2 | 2 | 2 | 2 |   | 2 | 2 | 2 | 2 |   |
| Olfactory Epithelium, Degeneration                    |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 3 |   |   |   |   |
| Olfactory Epithelium, Respiratory Metaplasia          | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |   |
| Respiratory Epithelium, Accumulation, Hyaline Droplet | 3 | 3 | 3 | 1 | 3 | 3 | 3 | 2 | 2 | 2 | 3 | 2 | 3 | 3 | 3 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 4 | 2 | 2 |   |
| Respiratory Epithelium, Hyperplasia                   | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |   |
| Trachea   | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |

SPECIAL SENSES SYSTEM

|                               |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|-------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Eye                           | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Cornea, Inflammation, Chronic |   |   |   | 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: 20006 - 04

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Indole-3-carbinol

CAS Number: 700-06-1

Date Report Requested: 06/15/2012

Time Report Requested: 12:41:18

First Dose M/F: 04/03/07 / 04/02/07

Lab: BAT

|   |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                              |
|---|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|------------------------------|
| <b>B6C3F1 MICE FEMALE</b>               | 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 |                              |
|   |             | 7   | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 5 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |                              |
| <b>250 mg/kg</b>                        |             | 3   | 2 | 3 | 0 | 2 | 3 | 2 | 3 | 0 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 2 | 3 | 3 | 2 | 3 | 0 | 2 | 9 | 9 |                              |
|   |             | 1   | 9 | 1 | 3 | 9 | 0 | 9 | 0 | 5 | 1 | 0 | 0 | 1 | 1 | 0 | 0 | 9 | 0 | 1 | 9 | 0 | 6 | 9 | 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 | <b>females<br/>(cont...)</b> |
|   |             | 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 |   |                              |
|   |             | 5   | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 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 |                              |
| Lens, Cataract                          |             | 3   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                              |
| Harderian Gland                         |             | + |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                              |
| Dilatation                              |             | 1 1 2 1   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                              |
| Hyperplasia                             |             | 1 1 2 2 1   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                              |
| Infiltration Cellular, Mononuclear Cell |             | 1 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                              |

URINARY SYSTEM

|   |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|---|--|---|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| Kidney                                      |  | + |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Metaplasia, Osseous                         |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Nephropathy                                 |  | 1 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Artery, Inflammation, Chronic               |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Renal Tubule, Accumulation, Hyaline Droplet |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Renal Tubule, Cyst                          |  | 3   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Urinary Bladder                             |  | + |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Transitional Epithelium, Hyperplasia        |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

\* .. 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: 20006 - 04

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: MICE/B6C3F1

**P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**

Indole-3-carbinol

CAS Number: 700-06-1

Date Report Requested: 06/15/2012

Time Report Requested: 12:41:18

First Dose M/F: 04/03/07 / 04/02/07

Lab: BAT

|                           |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
|---------------------------|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| <b>B6C3F1 MICE FEMALE</b> | DAY ON TEST | 0730  | 0731  | 0732  | 0733  | 0734  | 0735  | 0736  | 0737  | 0738  | 0739  | 0740  | 0741  | 0742  | 0743  | 0744  | 0745  | 0746  | 0747  | 0748  | 0749  | 0750  |       |
|                           | ANIMAL ID   | 00376 | 00377 | 00378 | 00379 | 00380 | 00381 | 00382 | 00383 | 00384 | 00385 | 00386 | 00387 | 00388 | 00389 | 00390 | 00391 | 00392 | 00393 | 00394 | 00395 | 00396 | 00397 |

**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     |
| Liver                      | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50     |
| Basophilic Focus           |   |   |   |   |   |   |   |   | X |   |   |   |   |   |   |   |   | X | X |   |   |   |   | 5      |
| Clear Cell Focus           |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | X |   |   |   |   | 1      |
| Eosinophilic Focus         | X | X |   |   |   | X | X |   |   |   | X |   |   |   | X | X |   |   | X |   |   |   | X | 21     |
| Fatty Change               | 2 | 1 | 2 |   |   | 2 | 2 | 2 | 2 |   | 2 | 1 | 1 | 1 | 1 | 2 |   | 2 | 2 | 2 | 1 | 2 | 1 | 40 1.6 |
| Hepatodiaphragmatic Nodule |   |   | X |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1      |
| Hyperplasia, Lymphoid      |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 3 |   | 1 3.0  |
| Mixed Cell Focus           |   |   |   |   |   |   |   |   | X |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1      |
| Mesentery                  |   |   |   | + |   |   |   |   |   |   |   |   |   |   | + | + | + |   |   |   | + |   |   | 6      |
| Fat, Necrosis              |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 2 | 2 | 3 |   |   |   | 2 |   |   | 5 2.4  |
| Pancreas                   | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 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:  
 1) Minimal 3) Moderate  
 2) Mild 4) Marked

Experiment Number: 20006 - 04

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Indole-3-carbinol  
CAS Number: 700-06-1

Date Report Requested: 06/15/2012

Time Report Requested: 12:41:18

First Dose M/F: 04/03/07 / 04/02/07

Lab: BAT

| B6C3F1 MICE FEMALE | DAY ON TEST |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | * TOTALS |      |      |      |    |
|--------------------|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------|------|------|------|----|
|                    | 0730        | 0731 | 0732 | 0733 | 0734 | 0735 | 0736 | 0737 | 0738 | 0739 | 0740 | 0741 | 0742 | 0743 | 0744 | 0745 | 0746 | 0747 | 0748 | 0749 |          |      |      |      |    |
| 250 mg/kg          | 0076        | 0077 | 0078 | 0079 | 0080 | 0081 | 0082 | 0083 | 0084 | 0085 | 0086 | 0087 | 0088 | 0089 | 0090 | 0091 | 0092 | 0093 | 0094 | 0095 | 0096     | 0097 | 0098 | 0099 | 50 |
|                    | 0037        | 0038 | 0039 | 0040 | 0041 | 0042 | 0043 | 0044 | 0045 | 0046 | 0047 | 0048 | 0049 | 0050 | 0051 | 0052 | 0053 | 0054 | 0055 | 0056 | 0057     | 0058 | 0059 | 0060 | 50 |

Acinus, Atrophy 1 1.0

Salivary Glands Duct, Cyst + 50 1 3.0

Stomach, Forestomach Ulcer + 50 3 2.3

Stomach, Glandular Erosion + 50 1 2.0  
Inflammation, Chronic 2 1 2 1 1 1 1 1 1 1 1 1 2 1 1 1 1 2 2 2 1 1 1 1 47 1.3  
Pigmentation 2 2 2 2 2 2 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 1 49 1.9  
Epithelium, Hyperplasia 2 2 2 1 1 1 1 1 2 1 1 1 1 1 1 1 2 2 2 1 2 2 2 1 35 1.4

Tongue 1

Tooth Dysplasia + 11 10 1.0

CARDIOVASCULAR SYSTEM

Blood Vessel Aorta, Inflammation, Chronic + 50 1 2.0

Heart Cardiomyopathy + 50 2 1.0  
Artery, Inflammation, Chronic 1 1 2.0  
Myocardium, Mineralization 3 1 3.0

ENDOCRINE SYSTEM

\* .. 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: 20006 - 04

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Date Report Requested: 06/15/2012

Test Type: CHRONIC

Indole-3-carbinol

Time Report Requested: 12:41:18

Route: GAVAGE

CAS Number: 700-06-1

First Dose M/F: 04/03/07 / 04/02/07

Species/Strain: MICE/B6C3F1

Lab: BAT

| B6C3F1 MICE FEMALE<br>250 mg/kg  | DAY ON TEST      |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |          |   |   |   |    |     |
|----------------------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|----------|---|---|---|----|-----|
|                                  | 0<br>7<br>3<br>0 | 0<br>7<br>3<br>1 | 0<br>7<br>2<br>9 | 0<br>7<br>3<br>0 | 0<br>7<br>3<br>1 | 0<br>7<br>2<br>9 | 0<br>7<br>3<br>1 | 0<br>7<br>3<br>1 | 0<br>7<br>2<br>9 | 0<br>7<br>3<br>1 | 0<br>7<br>3<br>1 | 0<br>7<br>2<br>9 | 0<br>7<br>3<br>1 | 0<br>7<br>3<br>1 | 0<br>7<br>2<br>9 | 0<br>7<br>2<br>9 | 0<br>7<br>2<br>9 | 0<br>7<br>2<br>9 | 0<br>7<br>2<br>9 | 0<br>7<br>2<br>9 | 0<br>7<br>2<br>9 | 0<br>7<br>2<br>9 | 0<br>7<br>2<br>9 | 0<br>7<br>2<br>9 | 0<br>7<br>2<br>9 | * TOTALS |   |   |   |    |     |
| Endometrium, Hyperplasia, Cystic | 1                |                  | 2                |                  |                  | 3                |                  | 2                |                  |                  | 1                |                  |                  |                  | 2                |                  | 2                | 3                | 2                | 3                |                  | 1                |                  | 3                | 2                | 3        | 3 | 2 | 2 | 34 | 1.9 |

HEMATOPOIETIC SYSTEM

|                                  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |     |     |
|----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|-----|-----|
| Bone Marrow                      | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | +  | +   | 50  |
| Lymph Node                       |   |   |   | + |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |     | 1   |
| Lymph Node, Mandibular           | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | +  | +   | 50  |
| Lymph Node, Mesenteric           | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | +  | +   | 49  |
| Spleen                           | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | +  | 50  |     |
| Hematopoietic Cell Proliferation |   |   | 1 | 1 |   |   |   | 1 |   | 1 | 1 | 2 |   | 1 |   |   |   |   |   |   | 1 |   | 2 |   |   |   |   |   | 2 | 2 |    | 23  | 1.4 |
| Hyperplasia, Mast Cell           |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    | 1   | 3.0 |
| Thymus                           | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | +  | 50  |     |
| Atrophy                          | 2 | 1 |   |   | 1 |   | 1 | 1 |   | 2 | 3 | 2 |   | 1 | 1 |   | 1 | 1 | 1 | 1 | 1 | 1 | 2 |   |   | 3 | 2 | 2 |   |   | 41 | 1.7 |     |

INTEGUMENTARY SYSTEM

|                                 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |   |     |
|---------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|---|-----|
| Mammary Gland                   | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |   |     |
| Skin                            | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |   |     |
| Subcutaneous Tissue, Hemorrhage |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 2 |    | 1 | 2.0 |

MUSCULOSKELETAL SYSTEM

|                      |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |     |
|----------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|-----|
| Bone                 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |     |
| Fibro-Osseous Lesion |   |   |   |   | 2 | 1 | 1 |   |   |   |   |   |   |   |   |   |   |   | 1 |   |   |   | 1 | 1 |   |   |   |   |   |   |   | 17 | 1.3 |

\* .. 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: 20006 - 04

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Indole-3-carbinol

CAS Number: 700-06-1

Date Report Requested: 06/15/2012

Time Report Requested: 12:41:18

First Dose M/F: 04/03/07 / 04/02/07

Lab: BAT

| B6C3F1 MICE FEMALE                          | DAY ON TEST |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |         | * TOTALS  |        |   |        |   |       |
|---|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|---------|-----------|--------|---|--------|---|-------|
|   | 0730        | 0731 | 0732 | 0733 | 0734 | 0735 | 0736 | 0737 | 0738 | 0739 | 0740 | 0741 | 0742 | 0743 | 0744 | 0745 | 0746 | 0747 | 0748 | 0749 | 0750 | 0751 | 0752 | 0753    |           |        |   |        |   |       |
| 250 mg/kg                                   | 0           | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0       |           |        |   |        |   |       |
|   | 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    | 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       |           |        |   |        |   |       |
| Lens, Cataract                              |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 1       | 3.0       |        |   |        |   |       |
| Harderian Gland                             | +           |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 50      |           |        |   |        |   |       |
| Dilatation                                  | 1           |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 2       | 6 1.3     |        |   |        |   |       |
| Hyperplasia                                 | 2           |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 2       | 9 1.6     |        |   |        |   |       |
| Infiltration Cellular, Mononuclear Cell     | 1           |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 1 1     | 1 1 1 1 1 | 22 1.0 |   |        |   |       |
| <b>URINARY SYSTEM</b>                       |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |         |           |        |   |        |   |       |
| Kidney                                      | +           |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 50      |           |        |   |        |   |       |
| Metaplasia, Osseous                         | 1           |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 1       | 1.0       |        |   |        |   |       |
| Nephropathy                                 | 1           |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 1 1 1 1 | 1 1       | 1 1    | 3 | 20 1.1 |   |       |
| Artery, Inflammation, Chronic               |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |         |           |        |   |        | 1 | 3.0   |
| Renal Tubule, Accumulation, Hyaline Droplet |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |         |           |        |   |        | 2 | 1 2.0 |
| Renal Tubule, Cyst                          |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |         |           |        |   |        |   | 1 2.0 |
| Urinary Bladder                             | +           |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 50      |           |        |   |        |   |       |
| Transitional Epithelium, Hyperplasia        |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 1       | 1 1.0     |        |   |        |   |       |

\*\*\* END OF REPORT \*\*\*

\* .. 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