

**Experiment Number:** 10472 - 02  
**Test Type:** 90-DAY  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** MICE/B6C3F1

**P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**  
p-Chloro-a,a,a-trifluorotoluene  
**CAS Number:** 98-56-6

**Date Report Requested:** 06/01/2012  
**Time Report Requested:** 11:11:49  
**First Dose M/F:** 10/26/09 / 10/26/09  
**Lab:** BNW

F1\_M3

**NTP Study Number:** C10472  
**Lock Date:** 06/08/2010  
**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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 Species/Strain: MICE/B6C3F1

**P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**  
 p-Chloro-a,a,a-trifluorotoluene  
 CAS Number: 98-56-6

Date Report Requested: 06/01/2012  
 Time Report Requested: 11:11:49  
 First Dose M/F: 10/26/09 / 10/26/09  
 Lab: BNW

B6C3F1 MICE MALE CONTROL	DAY ON TEST	0	0	0	0	0	0	0	0	0	0	* TOTALS
	ANIMAL ID	0	0	0	0	0	0	0	0	0	0	
		9	9	9	9	9	9	9	9	9	9	
		5	5	5	5	5	5	5	5	5	5	
		0	0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	1	0	
		1	2	3	4	5	6	7	8	9	0	

**ALIMENTARY SYSTEM**

Esophagus	+	+	+	+	+	+	+	+	+	+	10
Gallbladder	+	+	+	+	+	+	+	+	+	+	10
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	10
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	10
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	10
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	10
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	10
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	10
Liver	+	+	+	+	+	+	+	+	+	+	10
Pancreas	+	+	+	+	+	+	+	+	+	+	10
Salivary Glands	+	+	+	+	+	+	+	+	+	+	10
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	10
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	10

**CARDIOVASCULAR SYSTEM**

Blood Vessel	+	+	+	+	+	+	+	+	+	+	10
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\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade  
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1-4 .. Lesion qualified as:  
 1) Minimal 3) Moderate  
 2) Mild 4) Marked

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Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

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

p-Chloro-a,a,a-trifluorotoluene

CAS Number: 98-56-6

Date Report Requested: 06/01/2012

Time Report Requested: 11:11:49

First Dose M/F: 10/26/09 / 10/26/09

Lab: BNW

B6C3F1 MICE MALE CONTROL	DAY ON TEST	0	0	0	0	0	0	0	0	0	
	ANIMAL ID	0	0	0	0	0	0	0	0	0	
		9	9	9	9	9	9	9	9	9	
		5	5	5	5	5	5	5	5	5	
		0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	1	
		1	2	3	4	5	6	7	8	9	0
											<b>* TOTALS</b>
Heart		+	+	+	+	+	+	+	+	+	<b>10</b>
<b>ENDOCRINE SYSTEM</b>											
Adrenal Cortex		+	+	+	+	+	+	+	+	+	<b>10</b>
Zona Fasciculata, Hypertrophy					1						<b>1 1.0</b>
Adrenal Medulla		+	+	+	+	+	+	+	+	+	<b>10</b>
Islets, Pancreatic		+	+	+	+	+	+	+	+	+	<b>10</b>
Parathyroid Gland		M	+	M	M	+	M	+	+	M	<b>4</b>
Pituitary Gland		+	+	+	+	+	+	+	+	+	<b>10</b>
Thyroid Gland		+	+	+	+	+	+	M	+	+	<b>9</b>
<b>GENERAL BODY SYSTEM</b>											
Peritoneum									+		<b>1</b>
<b>GENITAL SYSTEM</b>											
Epididymis		+	+	+	+	+	+	+	+	+	<b>10</b>
Preputial Gland		+	+	+	+	+	+	+	+	+	<b>10</b>
Prostate		+	+	+	+	M	+	+	+	+	<b>9</b>
Seminal Vesicle		+	+	+	+	+	+	+	+	+	<b>10</b>

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 Species/Strain: MICE/B6C3F1

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

p-Chloro-a,a,a-trifluorotoluene

CAS Number: 98-56-6

Date Report Requested: 06/01/2012

Time Report Requested: 11:11:49

First Dose M/F: 10/26/09 / 10/26/09

Lab: BNW

B6C3F1 MICE MALE CONTROL	DAY ON TEST	0	0	0	0	0	0	0	0	0	ANIMAL ID			
		0	0	0	0	0	0	0	0	0				
		9	9	9	9	9	9	9	9	9				
		5	5	5	5	5	5	5	5	5				
		0	0	0	0	0	0	0	0	0				
		0	0	0	0	0	0	0	0	0				
		0	0	0	0	0	0	0	0	0				
		0	0	0	0	0	0	0	0	1				
		1	2	3	4	5	6	7	8	9				
													<b>* TOTALS</b>	
Testes		+	+	+	+	+	+	+	+	+			<b>10</b>	
<b>HEMATOPOIETIC SYSTEM</b>														
Bone Marrow		+	+	+	+	+	+	+	+	+			<b>10</b>	
Lymph Node, Bronchial		+	+	+	+	+	M	+	+	+			<b>9</b>	
Lymph Node, Mandibular		+	+	+	+	+	M	M	+	M	+			<b>7</b>
Lymph Node, Mediastinal		M	+	M	M	+	M	+	+	+	M			<b>5</b>
Lymph Node, Mesenteric		+	+	+	+	+	+	+	+	+			<b>10</b>	
Spleen		+	+	+	+	+	+	+	+	+			<b>10</b>	
Thymus		+	+	+	+	+	+	+	+	+			<b>10</b>	
<b>INTEGUMENTARY SYSTEM</b>														
Mammary Gland		M	M	M	M	M	M	M	M	M			<b>0</b>	
Skin		+	+	+	+	+	+	+	+	+			<b>10</b>	
<b>MUSCULOSKELETAL SYSTEM</b>														
Bone		+	+	+	+	+	+	+	+	+			<b>10</b>	
<b>NERVOUS SYSTEM</b>														
Brain		+	+	+	+	+	+	+	+	+			<b>10</b>	

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 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

**P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**  
 p-Chloro-a,a,a-trifluorotoluene  
 CAS Number: 98-56-6

Date Report Requested: 06/01/2012  
 Time Report Requested: 11:11:49  
 First Dose M/F: 10/26/09 / 10/26/09  
 Lab: BNW

<b>B6C3F1 MICE MALE</b>	DAY ON TEST	0	0	0	0	0	0	0	0	0	
		9	9	9	9	9	9	9	9	9	
<b>CONTROL</b>	ANIMAL ID	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	
		1	2	3	4	5	6	7	8	9	
<b>* TOTALS</b>											

**RESPIRATORY SYSTEM**

Larynx	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Lung	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Nose	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Trachea	+	+	+	+	+	+	+	+	+	+	<b>10</b>

**SPECIAL SENSES SYSTEM**

Eye	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Harderian Gland	+	+	+	+	+	+	+	+	+	+	<b>10</b>

**URINARY SYSTEM**

Kidney	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	<b>10</b>

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 First Dose M/F: 10/26/09 / 10/26/09  
 Lab: BNW

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

**ALIMENTARY SYSTEM**

Liver	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	<b>10</b>

**CARDIOVASCULAR SYSTEM**

NONE

**ENDOCRINE SYSTEM**

Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	<b>10</b>

**GENERAL BODY SYSTEM**

NONE

**GENITAL SYSTEM**

NONE

**HEMATOPOIETIC SYSTEM**

Spleen	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Thymus	+	+	+	+	+	+	+	+	+	+	<b>10</b>

**INTEGUMENTARY SYSTEM**

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<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	
		9	9	9	9	9	9	9	9	9	9	
		5	5	5	5	5	5	5	5	5	5	
		5	5	5	5	5	5	5	5	5	5	
<b>125 ppm</b>	ANIMAL ID	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	
		0	0	0	0	0	0	0	0	0	1	
		1	2	3	4	5	6	7	8	9	0	
<b>* TOTALS</b>												

NONE

**MUSCULOSKELETAL SYSTEM**

NONE

**NERVOUS SYSTEM**

NONE

**RESPIRATORY SYSTEM**

NONE

**SPECIAL SENSES SYSTEM**

Harderian Gland	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Inflammation, Suppurative, Acute				1							<b>1 1.0</b>

**URINARY SYSTEM**

Kidney	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Nephropathy				1							<b>1 1.0</b>

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<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	
<b>250 ppm</b>	ANIMAL ID	9	9	9	9	9	9	9	9	9	
		5	5	5	5	5	5	5	5	5	
		0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	
		4	4	4	4	4	4	4	4	4	
		0	0	0	0	0	0	0	0	1	
		1	2	3	4	5	6	7	8	9	0
<b>* TOTALS</b>											

**ALIMENTARY SYSTEM**

Liver	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Centrilobular, Hepatocyte, Hypertrophy	2	2	2	1	1	2	1	2	1	1	<b>10 1.5</b>
Centrilobular, Hepatocyte, Necrosis						1			1		<b>2 1.0</b>
Hepatocyte, Multinucleated		1									<b>1 1.0</b>
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Epithelium, Hyperplasia			1								<b>1 1.0</b>

**CARDIOVASCULAR SYSTEM**

NONE

**ENDOCRINE SYSTEM**

Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	<b>10</b>

**GENERAL BODY SYSTEM**

NONE

**GENITAL SYSTEM**

NONE

**HEMATOPOIETIC SYSTEM**

Spleen	+	+	+	+	+	+	+	+	+	+	<b>10</b>
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 Lab: BNW

B6C3F1 MICE MALE	DAY ON TEST	0	0	0	0	0	0	0	0	0	
		9	9	9	9	9	9	9	9	9	
250 ppm	ANIMAL ID	5	5	5	5	5	5	5	5	5	
		0	0	0	0	0	0	0	0	0	
		4	4	4	4	4	4	4	4	4	
		0	0	0	0	0	0	0	0	1	
		1	2	3	4	5	6	7	8	9	0
<b>* TOTALS</b>											
Thymus		+	+	+	+	+	+	+	+	+	+
<b>10</b>											
<b>INTEGUMENTARY SYSTEM</b>											
NONE											
<b>MUSCULOSKELETAL SYSTEM</b>											
NONE											
<b>NERVOUS SYSTEM</b>											
NONE											
<b>RESPIRATORY SYSTEM</b>											
NONE											
<b>SPECIAL SENSES SYSTEM</b>											
Harderian Gland		+	+	+	+	+	+	+	+	+	+
<b>10</b>											
<b>URINARY SYSTEM</b>											
Kidney		+	+	+	+	+	+	+	+	+	+
Nephropathy			1		1	1					
<b>10</b>											
<b>3 1.0</b>											

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<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	
		9	9	9	9	9	9	9	9	9	
		5	5	5	5	5	5	5	5	5	
		5	5	5	5	5	5	5	5	5	
<b>500 ppm</b>	ANIMAL ID	0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	
		6	6	6	6	6	6	6	6	6	
		0	0	0	0	0	0	0	0	0	1
		1	2	3	4	5	6	7	8	9	0
<b>* TOTALS</b>											

**ALIMENTARY SYSTEM**

Liver	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Centrilobular, Hepatocyte, Hypertrophy	3	3	3	3	2	3	2	3	3	2	<b>10 2.7</b>
Centrilobular, Hepatocyte, Necrosis	1	1	1	1	2	1	1	1	2	1	<b>10 1.2</b>
Hepatocyte, Multinucleated	2	2	2	1	1	1		2	2		<b>8 1.6</b>
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Inflammation, Granulomatous		1									<b>1 1.0</b>
Epithelium, Hyperplasia	1	1		1		1					<b>4 1.0</b>

**CARDIOVASCULAR SYSTEM**

NONE

**ENDOCRINE SYSTEM**

Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Adrenal Medulla	+	+	+	+	+	+	+	+	+	M	<b>9</b>

**GENERAL BODY SYSTEM**

NONE

**GENITAL SYSTEM**

NONE

**HEMATOPOIETIC SYSTEM**

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 Species/Strain: MICE/B6C3F1

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 Lab: BNW

B6C3F1 MICE MALE 500 ppm	DAY ON TEST	0	0	0	0	0	0	0	0	0	0	ANIMAL ID		
	0	0	0	0	0	0	0	0	0	0	0			
	9	9	9	9	9	9	9	9	9	9	9	0	0	0
	5	5	5	5	5	5	5	5	5	5	5	6	6	6
												0	0	0
												6	6	6
												0	0	0
												0	0	0
												1	2	3
												4	5	6
												7	8	9
												0	0	0
												1	2	3
												4	5	6
												7	8	9
												0	0	0
												1	2	3
												4	5	6
												7	8	9
												0	0	0
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												7	8	9
												0	0	0
												1	2	3
												4	5	6
												7	8	9
												0	0	0
												1	2	3
												4	5	6
												7	8	9
												0	0	0
												1	2	3
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												7	8	9
												0	0	0
												1	2	3
												4	5	6
												7	8	9
												0	0	0
												1	2	3
												4	5	6
												7	8	9
												0	0	0
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												0	0	0
												1	2	3
												4	5	6
												7	8	9
												0	0	0
												1	2	3
												4	5	6
												7	8	9
												0	0	0
												1	2	3
												4	5	6
												7	8	9
												0	0	0
												1	2	3
												4	5	6
												7	8	9
												0	0	0
												1	2	3

Experiment Number: 10472 - 02  
 Test Type: 90-DAY  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

**P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**  
 p-Chloro-a,a,a-trifluorotoluene  
 CAS Number: 98-56-6

Date Report Requested: 06/01/2012  
 Time Report Requested: 11:11:49  
 First Dose M/F: 10/26/09 / 10/26/09  
 Lab: BNW

<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		
		9	9	9	9	9	9	9	9	9		
		5	5	5	5	5	5	5	5	5		
		0	0	0	0	0	0	0	0	0		
<b>1000 ppm</b>	ANIMAL ID	0	0	0	0	0	0	0	0	0		
		8	8	8	8	8	8	8	8	8		
		0	0	0	0	0	0	0	0	1		
		1	2	3	4	5	6	7	8	9	0	
		<b>* TOTALS</b>										

**ALIMENTARY SYSTEM**

Liver	+	+	+	+	+	+	+	+	+	+	<b>10</b>	
Centrilobular, Hepatocyte, Hypertrophy	4	4	4	4	4	3	4	4	4	4		<b>10 3.9</b>
Centrilobular, Hepatocyte, Necrosis	2	2	2	2	1	1	2	1	1	1		<b>10 1.5</b>
Hepatocyte, Multinucleated	4	4	4	4	4	3	1	3	4	4		<b>10 3.5</b>
<hr/>												
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	<b>10</b>	
Inflammation, Granulomatous			1							1		<b>2 1.0</b>
Epithelium, Hyperplasia		2		2	1		1	1	1	1		<b>7 1.3</b>

**CARDIOVASCULAR SYSTEM**

NONE

**ENDOCRINE SYSTEM**

Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	<b>10</b>	
Zona Fasciculata, Hypertrophy			1									<b>1 1.0</b>
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	<b>10</b>	

**GENERAL BODY SYSTEM**

NONE

**GENITAL SYSTEM**

NONE

**HEMATOPOIETIC 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: 10472 - 02  
 Test Type: 90-DAY  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

**P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**  
 p-Chloro-a,a,a-trifluorotoluene  
 CAS Number: 98-56-6

Date Report Requested: 06/01/2012  
 Time Report Requested: 11:11:49  
 First Dose M/F: 10/26/09 / 10/26/09  
 Lab: BNW

B6C3F1 MICE MALE	DAY ON TEST										ANIMAL ID
	0 9 5	0 9 5	0 9 5	0 9 5	0 9 5	0 9 5	0 9 5	0 9 5	0 9 5	0 9 5	
2000 ppm	0 1 0 0 1	0 1 0 0 2	0 1 0 0 3	0 1 0 0 4	0 1 0 0 5	0 1 0 0 6	0 1 0 0 7	0 1 0 0 8	0 1 0 0 9	0 1 0 0 0	
											<b>* TOTALS</b>

**ALIMENTARY SYSTEM**

Esophagus	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Gallbladder	+	+	+	+	+	M	+	+	+	+	<b>9</b>
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Liver	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Centrilobular, Hepatocyte, Hypertrophy	4	4	4	4	4	4	4	4	4	4	<b>10 4.0</b>
Centrilobular, Hepatocyte, Necrosis	2	2	2	2	2	2	2	2	2	2	<b>10 2.0</b>
Hepatocyte, Multinucleated	4	4	4	4	4	4	4	4	4	4	<b>10 4.0</b>
Pancreas	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Salivary Glands	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Inflammation, Granulomatous	2	1	2	2	1	1	1	1	2	2	<b>10 1.5</b>
Epithelium, Hyperplasia	2	2	2	2		2	2	2	2	2	<b>9 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: 10472 - 02  
 Test Type: 90-DAY  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

**P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**  
 p-Chloro-a,a,a-trifluorotoluene  
 CAS Number: 98-56-6

Date Report Requested: 06/01/2012  
 Time Report Requested: 11:11:49  
 First Dose M/F: 10/26/09 / 10/26/09  
 Lab: BNW

B6C3F1 MICE MALE 2000 ppm	DAY ON TEST										ANIMAL ID			
	0 9 5	0 9 5	0 9 5	0 9 5	0 9 5	0 9 5	0 9 5	0 9 5	0 9 5	0 9 5				0 9 5
	0	0	0	0	0	0	0	0	0	0	0 1 0 0 1			
	1	1	1	1	1	1	1	1	1	1	0 0 0 0 0			
	2	3	4	5	6	7	8	9	0					
	<b>* TOTALS</b>													
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+				<b>10</b>
<b>CARDIOVASCULAR SYSTEM</b>														
Blood Vessel	+	+	+	+	+	+	+	+	+	+				<b>10</b>
Heart	+	+	+	+	+	+	+	+	+	+				<b>10</b>
<b>ENDOCRINE SYSTEM</b>														
Adrenal Cortex Zona Fasciculata, Hypertrophy	+	+	+	I	+	+	+	+	+	+	1			<b>9</b>
			1	1	1	1	1	1	1					<b>6 1.0</b>
Adrenal Medulla	+	+	+	M	+	+	+	+	+	+				<b>9</b>
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+				<b>10</b>
Parathyroid Gland	+	M	+	+	M	+	M	+	+	M				<b>6</b>
Pituitary Gland	+	+	+	+	+	+	+	+	+	+				<b>10</b>
Thyroid Gland	+	+	+	+	+	+	+	+	+	+				<b>10</b>
<b>GENERAL BODY SYSTEM</b>														
NONE														
<b>GENITAL SYSTEM</b>														
Epididymis	+	+	+	+	+	+	+	+	+	+				<b>10</b>

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 A .. Autolysis precludes evaluation  
 BLANK .. Not examined microscopically

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

Experiment Number: 10472 - 02

Test Type: 90-DAY

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

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

p-Chloro-a,a,a-trifluorotoluene

CAS Number: 98-56-6

Date Report Requested: 06/01/2012

Time Report Requested: 11:11:49

First Dose M/F: 10/26/09 / 10/26/09

Lab: BNW

B6C3F1 MICE MALE 2000 ppm	DAY ON TEST										ANIMAL ID			
	0 9 5	0 9 5	0 9 5	0 9 5	0 9 5	0 9 5	0 9 5	0 9 5	0 9 5	0 9 5				
	0	0	0	0	0	0	0	0	0	0	0			
	1	1	1	1	1	1	1	1	1	1	0			
	0	0	0	0	0	0	0	0	0	0	0			
	0	0	0	0	0	0	0	0	0	1	1			
	1	2	3	4	5	6	7	8	9	0				<b>* TOTALS</b>
Preputial Gland Inflammation, Suppurative, Chronic Active	+	+	+	+	+	+	+	+	+	+				<b>10</b> <b>1 4.0</b>
Prostate	+	+	+	+	+	+	+	M	+	+				<b>9</b>
Seminal Vesicle	+	+	+	+	+	+	+	+	+	+				<b>10</b>
Testes	+	+	+	+	+	+	+	+	+	+				<b>10</b>
<b>HEMATOPOIETIC SYSTEM</b>														
Bone Marrow	+	+	+	+	+	+	+	+	+	+				<b>10</b>
Lymph Node, Bronchial	+	M	+	I	+	+	M	+	+	+				<b>7</b>
Lymph Node, Mandibular	+	+	+	+	M	M	+	M	+	M				<b>6</b>
Lymph Node, Mediastinal	+	+	+	M	M	+	+	M	M	+				<b>6</b>
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+				<b>10</b>
Spleen	+	+	+	+	+	+	+	+	+	+				<b>10</b>
Red Pulp, Hematopoietic Cell Proliferation, Megakaryocyte	2	2	2	2	2	2	2	2	2	2				<b>10 2.0</b>
Red Pulp, Hematopoietic Cell Proliferation Erythrocytic	1	1	1	1	1	1	1	1	1	1				<b>10 1.0</b>
Thymus	+	+	+	M	I	+	+	+	+	+				<b>8</b>
<b>INTEGUMENTARY SYSTEM</b>														

\* .. 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: 10472 - 02

Test Type: 90-DAY

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

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

p-Chloro-a,a,a-trifluorotoluene

CAS Number: 98-56-6

Date Report Requested: 06/01/2012

Time Report Requested: 11:11:49

First Dose M/F: 10/26/09 / 10/26/09

Lab: BNW

B6C3F1 MICE MALE 2000 ppm	DAY ON TEST										ANIMAL ID		
	0 9 5	0 0 5	0 9 5	0 9 5	0 9 5	0 9 5	0 9 5	0 9 5	0 9 5	0 9 5			
	0	0	0	0	0	0	0	0	0	0	0 1 0 0 1		
	1	1	1	1	1	1	1	1	1	1	0 0 0 0 2		
	2	3	4	5	6	7	8	9	0				
	<b>* TOTALS</b>												
Mammary Gland	M	M	M	M	M	M	M	M	M	M		0	
Skin Prepuce, Ulcer, Chronic Active	+	+	+	M	+	+	+	+	+	+	4	9 1 4.0	
<b>MUSCULOSKELETAL SYSTEM</b>													
Bone	+	+	+	+	+	+	+	+	+	+		10	
<b>NERVOUS SYSTEM</b>													
Brain	+	+	+	+	+	+	+	+	+	+		10	
<b>RESPIRATORY SYSTEM</b>													
Larynx	+	+	+	+	+	+	+	+	+	+		10	
Lung	+	+	+	+	+	+	+	+	+	+		10	
Nose	+	+	+	+	+	+	+	+	+	+		10	
Trachea	+	+	+	+	+	+	+	+	+	+		10	
<b>SPECIAL SENSES SYSTEM</b>													
Eye	+	+	+	+	+	+	+	+	+	+		10	
Harderian Gland	+	+	+	+	+	+	+	+	+	+		10	
<b>URINARY SYSTEM</b>													

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 BLANK .. Not examined microscopically

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



Experiment Number: 10472 - 02  
 Test Type: 90-DAY  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

**P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**  
 p-Chloro-a,a,a-trifluorotoluene  
 CAS Number: 98-56-6

Date Report Requested: 06/01/2012  
 Time Report Requested: 11:11:49  
 First Dose M/F: 10/26/09 / 10/26/09  
 Lab: BNW

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

**ALIMENTARY SYSTEM**

Esophagus	+	+	+	+	+	+	+	+	+	+		<b>10</b>
Gallbladder	+	+	+	+	+	+	+	+	+	+		<b>10</b>
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+		<b>10</b>
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+		<b>10</b>
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+		<b>10</b>
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+		<b>10</b>
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+		<b>10</b>
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+		<b>10</b>
Liver	+	+	+	+	+	+	+	+	+	+		<b>10</b>
Clear Cell Focus							1			1		<b>2 1.0</b>
Pancreas	+	+	+	+	+	+	+	+	+	+		<b>10</b>
Salivary Glands	+	+	+	+	+	+	+	+	+	+		<b>10</b>
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+		<b>10</b>
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+		<b>10</b>

**CARDIOVASCULAR SYSTEM**

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 + .. Tissue examined microscopically  
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1-4 .. Lesion qualified as:  
 1) Minimal 3) Moderate  
 2) Mild 4) Marked

Experiment Number: 10472 - 02  
 Test Type: 90-DAY  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

**P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**  
 p-Chloro-a,a,a-trifluorotoluene  
 CAS Number: 98-56-6

Date Report Requested: 06/01/2012  
 Time Report Requested: 11:11:49  
 First Dose M/F: 10/26/09 / 10/26/09  
 Lab: BNW

B6C3F1 MICE FEMALE CONTROL	DAY ON TEST										* TOTALS
	0 0 9 6	0 0 9 6	0 0 9 6	0 0 9 6	0 0 9 6	0 0 9 6	0 0 9 6	0 0 9 6	0 0 9 6	0 0 9 6	
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	1	1	1	1	1	1	1	1	1	1	
	0	0	0	0	0	0	0	0	0	1	
Blood Vessel	+	+	+	+	+	+	+	+	+	+	10
Heart	+	+	+	+	+	+	+	+	+	+	10
<b>ENDOCRINE SYSTEM</b>											
Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	10
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	10
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	10
Parathyroid Gland	M	M	+	M	+	+	+	M	+	M	5
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	10
Thyroid Gland	+	+	+	+	+	+	+	M	+	+	9
<b>GENERAL BODY SYSTEM</b>											
NONE											
<b>GENITAL SYSTEM</b>											
Clitoral Gland	M	+	M	+	M	+	M	M	M	+	4
Ovary	+	+	+	+	+	+	+	+	+	+	10
Uterus	+	+	+	+	+	+	+	+	+	+	10
<b>HEMATOPOIETIC SYSTEM</b>											

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 A .. Autolysis precludes evaluation  
 BLANK .. Not examined microscopically

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

Experiment Number: 10472 - 02  
 Test Type: 90-DAY  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

**P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**  
 p-Chloro-a,a,a-trifluorotoluene  
 CAS Number: 98-56-6

Date Report Requested: 06/01/2012  
 Time Report Requested: 11:11:49  
 First Dose M/F: 10/26/09 / 10/26/09  
 Lab: BNW

B6C3F1 MICE FEMALE CONTROL	DAY ON TEST	0	0	0	0	0	0	0	0	0	0	* TOTALS
	ANIMAL ID	0	0	0	0	0	0	0	0	0	0	
		9	9	9	9	9	9	9	9	9	9	
		6	6	6	6	6	6	6	6	6	6	
		1	1	1	1	1	1	1	1	1	1	
		0	0	0	0	0	0	0	0	0	1	
		1	2	3	4	5	6	7	8	9	0	
Bone Marrow		+	+	+	+	+	+	+	+	+	+	10
Lymph Node, Bronchial		+	+	+	+	+	+	+	+	+	+	10
Lymph Node, Mandibular		+	M	+	M	+	+	+	M	+	+	7
Lymph Node, Mediastinal		M	+	+	M	M	M	+	+	+	+	6
Lymph Node, Mesenteric		+	+	+	+	+	+	+	+	+	+	10
Spleen		+	+	+	+	+	+	+	+	+	+	10
Thymus		+	+	+	+	+	+	+	+	+	+	10
<b>INTEGUMENTARY SYSTEM</b>												
Mammary Gland		+	+	+	+	+	+	+	+	+	+	10
Skin		+	+	+	+	+	+	+	+	+	+	10
<b>MUSCULOSKELETAL SYSTEM</b>												
Bone		+	+	+	+	+	+	+	+	+	+	10
<b>NERVOUS SYSTEM</b>												
Brain		+	+	+	+	+	+	+	+	+	+	10
<b>RESPIRATORY SYSTEM</b>												
Larynx		+	+	+	+	+	+	+	+	+	+	10

\* .. 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: 10472 - 02  
 Test Type: 90-DAY  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

**P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**  
 p-Chloro-a,a,a-trifluorotoluene  
 CAS Number: 98-56-6

Date Report Requested: 06/01/2012  
 Time Report Requested: 11:11:49  
 First Dose M/F: 10/26/09 / 10/26/09  
 Lab: BNW

<b>B6C3F1 MICE FEMALE</b>  <b>125 ppm</b>	DAY ON TEST	0	0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	0	
		9	9	9	9	9	9	9	9	9	9	
		6	6	6	6	6	6	6	6	6	6	
	ANIMAL ID	0	0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	0	
		3	3	3	3	3	3	3	3	3	3	
		0	0	0	0	0	0	0	0	0	1	
		1	2	3	4	5	6	7	8	9	0	
		<b>* TOTALS</b>										

**ALIMENTARY SYSTEM**

Liver	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Stomach, Forestomach Epithelium, Hyperplasia	+	+	+	+	+	+	+	+	I	+	<b>9</b> <b>2 1.0</b>

**CARDIOVASCULAR SYSTEM**

NONE

**ENDOCRINE SYSTEM**

Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	<b>10</b>

**GENERAL BODY SYSTEM**

NONE

**GENITAL SYSTEM**

NONE

**HEMATOPOIETIC SYSTEM**

Spleen	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Thymus	+	+	+	+	+	+	+	+	+	+	<b>10</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: 10472 - 02  
 Test Type: 90-DAY  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

**P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**  
 p-Chloro-a,a,a-trifluorotoluene  
 CAS Number: 98-56-6

Date Report Requested: 06/01/2012  
 Time Report Requested: 11:11:49  
 First Dose M/F: 10/26/09 / 10/26/09  
 Lab: BNW

<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	
		9	9	9	9	9	9	9	9	9	
		6	6	6	6	6	6	6	6	6	
<b>125 ppm</b>	ANIMAL ID	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	
		0	0	0	0	0	0	0	0	0	1
		1	2	3	4	5	6	7	8	9	0
<b>* TOTALS</b>											

**INTEGUMENTARY SYSTEM**

NONE

**MUSCULOSKELETAL SYSTEM**

NONE

**NERVOUS SYSTEM**

NONE

**RESPIRATORY SYSTEM**

NONE

**SPECIAL SENSES SYSTEM**

Harderian Gland	+	+	+	+	+	+	+	+	+	+	<b>10</b>
-----------------	---	---	---	---	---	---	---	---	---	---	-----------

**URINARY SYSTEM**

Kidney	+	+	+	+	+	+	+	+	+	+	<b>10</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: 10472 - 02  
 Test Type: 90-DAY  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

**P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**  
 p-Chloro-a,a,a-trifluorotoluene  
 CAS Number: 98-56-6

Date Report Requested: 06/01/2012  
 Time Report Requested: 11:11:49  
 First Dose M/F: 10/26/09 / 10/26/09  
 Lab: BNW

B6C3F1 MICE FEMALE	250 ppm	DAY ON TEST										ANIMAL ID		
		0006	0006	0006	0006	0006	0006	0006	0006	0006	0006			
		0	0	0	0	0	0	0	0	0	0	0	0	
		9	9	9	9	9	9	9	9	9	9	9	9	
		6	6	6	6	6	6	6	6	6	6	6	6	
		0	0	0	0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	0	0	0	
		5	5	5	5	5	5	5	5	5	5	5	5	
		0	0	0	0	0	0	0	0	0	0	0	1	
		1	2	3	4	5	6	7	8	9	0		0	
												<b>* TOTALS</b>		

**ALIMENTARY SYSTEM**

Liver	+	+	+	+	+	+	+	+	+	+			<b>10</b>
Centrilobular, Hepatocyte, Hypertrophy	2							1					<b>2 1.5</b>
Centrilobular, Hepatocyte, Necrosis								1					<b>1 1.0</b>
Stomach, Forestomach	+	I	+	+	+	+	+	+	+	+			<b>9</b>
Epithelium, Hyperplasia				1	1	1							<b>3 1.0</b>

**CARDIOVASCULAR SYSTEM**

NONE

**ENDOCRINE SYSTEM**

Adrenal Cortex	+	+	+	+	+	+	+	+	+	+			<b>10</b>
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+			<b>10</b>

**GENERAL BODY SYSTEM**

NONE

**GENITAL SYSTEM**

NONE

**HEMATOPOIETIC SYSTEM**

Spleen	+	+	+	+	+	+	+	+	+	+			<b>10</b>
Red Pulp, Hematopoietic Cell Proliferation, Megakaryocyte	1	1					1	1		1			<b>5 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  
 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: 10472 - 02  
 Test Type: 90-DAY  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

**P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**  
 p-Chloro-a,a,a-trifluorotoluene  
 CAS Number: 98-56-6

Date Report Requested: 06/01/2012  
 Time Report Requested: 11:11:49  
 First Dose M/F: 10/26/09 / 10/26/09  
 Lab: BNW

B6C3F1 MICE FEMALE 250 ppm	DAY ON TEST										ANIMAL ID	
	0006	0006	0006	0006	0006	0006	0006	0006	0006	0006		
	0	0	0	0	0	0	0	0	0	0	0001	
	0	0	0	0	0	0	0	0	0	0	0002	
	0	0	0	0	0	0	0	0	0	0	0003	
	0	0	0	0	0	0	0	0	0	0	0004	
	0	0	0	0	0	0	0	0	0	0	0005	
	0	0	0	0	0	0	0	0	0	0	0006	
	0	0	0	0	0	0	0	0	0	0	0007	
	0	0	0	0	0	0	0	0	0	0	0008	
	0	0	0	0	0	0	0	0	0	0	0009	
	0	0	0	0	0	0	0	0	0	0	0010	
	1	2	3	4	5	6	7	8	9	0		<b>* TOTALS</b>
Red Pulp, Hematopoietic Cell Proliferation Erythrocytic	1	1					1	1		1		<b>5 1.0</b>
Thymus	+	+	+	+	+	+	+	+	+	+		<b>10</b>
<b>INTEGUMENTARY SYSTEM</b>												
NONE												
<b>MUSCULOSKELETAL SYSTEM</b>												
NONE												
<b>NERVOUS SYSTEM</b>												
NONE												
<b>RESPIRATORY SYSTEM</b>												
NONE												
<b>SPECIAL SENSES SYSTEM</b>												
Harderian Gland	+	+	+	+	+	+	+	+	+	+		<b>10</b>
<b>URINARY SYSTEM</b>												
Kidney	+	+	+	+	+	+	+	+	+	+		<b>10</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: 10472 - 02  
 Test Type: 90-DAY  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

**P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**  
 p-Chloro-a,a,a-trifluorotoluene  
 CAS Number: 98-56-6

Date Report Requested: 06/01/2012  
 Time Report Requested: 11:11:49  
 First Dose M/F: 10/26/09 / 10/26/09  
 Lab: BNW

B6C3F1 MICE FEMALE	500 ppm	DAY ON TEST										
		006	006	009	009	009	009	009	009	009	009	
ANIMAL ID		007	007	007	007	007	007	007	007	007	007	
		000	000	000	000	000	000	000	000	000	000	
		001	001	001	001	001	001	001	001	001	001	
		002	003	004	005	006	007	008	009	000		

**\* TOTALS**

**ALIMENTARY SYSTEM**

Liver	+	+	+	+	+	+	+	+	+	+	10	
Centrilobular, Hepatocyte, Hypertrophy				1		1		1		1	4	1.0
Centrilobular, Hepatocyte, Necrosis			1	1							2	1.0
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	10	
Epithelium, Hyperplasia	1	1	1			1				1	5	1.0

**CARDIOVASCULAR SYSTEM**

NONE

**ENDOCRINE SYSTEM**

Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	10	
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	10	

**GENERAL BODY SYSTEM**

NONE

**GENITAL SYSTEM**

NONE

**HEMATOPOIETIC SYSTEM**

Spleen	+	+	+	+	+	+	+	+	+	+	10	
Red Pulp, Hematopoietic Cell Proliferation, Megakaryocyte	1	2	1		1	1	1				6	1.2

\* .. 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: 10472 - 02  
 Test Type: 90-DAY  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

**P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**  
 p-Chloro-a,a,a-trifluorotoluene  
 CAS Number: 98-56-6

Date Report Requested: 06/01/2012  
 Time Report Requested: 11:11:49  
 First Dose M/F: 10/26/09 / 10/26/09  
 Lab: BNW

B6C3F1 MICE FEMALE 500 ppm	DAY ON TEST										ANIMAL ID	
	0006	0006	0006	0006	0006	0006	0006	0006	0006	0006		
	0	0	0	0	0	0	0	0	0	0	0006	
	9	9	9	9	9	9	9	9	9	9	0007	
	6	6	6	6	6	6	6	6	6	6	0008	
	0	0	0	0	0	0	0	0	0	0	0009	
	0	0	0	0	0	0	0	0	0	0	0010	
	7	7	7	7	7	7	7	7	7	7	0011	
	0	0	0	0	0	0	0	0	0	1	0012	
	1	2	3	4	5	6	7	8	9	0		<b>* TOTALS</b>
Red Pulp, Hematopoietic Cell Proliferation Erythrocytic	1		1			1	1					<b>4 1.0</b>
Thymus	+	+	+	+	+	+	+	+	+	+		<b>10</b>
<b>INTEGUMENTARY SYSTEM</b>												
NONE												
<b>MUSCULOSKELETAL SYSTEM</b>												
NONE												
<b>NERVOUS SYSTEM</b>												
NONE												
<b>RESPIRATORY SYSTEM</b>												
NONE												
<b>SPECIAL SENSES SYSTEM</b>												
Harderian Gland	+	+	+	+	+	+	+	+	+	+		<b>10</b>
<b>URINARY SYSTEM</b>												
Kidney	+	+	+	+	+	+	+	+	+	+		<b>10</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: 10472 - 02  
 Test Type: 90-DAY  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL  
 p-Chloro-a,a,a-trifluorotoluene  
 CAS Number: 98-56-6

Date Report Requested: 06/01/2012  
 Time Report Requested: 11:11:49  
 First Dose M/F: 10/26/09 / 10/26/09  
 Lab: BNW

<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	
<b>1000 ppm</b>	ANIMAL ID	9	9	9	9	9	9	9	9	9	
		6	6	6	6	6	6	6	6	6	
		0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	
		9	9	9	9	9	9	9	9	9	
		0	0	0	0	0	0	0	0	1	
		1	2	3	4	5	6	7	8	9	0
<b>* TOTALS</b>											

**ALIMENTARY SYSTEM**

Liver	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Centrilobular, Hepatocyte, Hypertrophy	3	3	2	2	1	2	2	2	2	3	<b>10 2.2</b>
Centrilobular, Hepatocyte, Necrosis	1	1		1		1	1	1	2	1	<b>8 1.1</b>
Hepatocyte, Multinucleated	3	2		1		1	1			1	<b>6 1.5</b>
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Epithelium, Hyperplasia	1	1	2	3	2	2	1	2	1	1	<b>10 1.6</b>

**CARDIOVASCULAR SYSTEM**

NONE

**ENDOCRINE SYSTEM**

Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	<b>10</b>

**GENERAL BODY SYSTEM**

NONE

**GENITAL SYSTEM**

NONE

**HEMATOPOIETIC SYSTEM**

Spleen	+	+	+	+	+	+	+	+	+	+	<b>10</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: 10472 - 02  
 Test Type: 90-DAY  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

**P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**  
 p-Chloro-a,a,a-trifluorotoluene  
 CAS Number: 98-56-6

Date Report Requested: 06/01/2012  
 Time Report Requested: 11:11:49  
 First Dose M/F: 10/26/09 / 10/26/09  
 Lab: BNW

B6C3F1 MICE FEMALE 1000 ppm	DAY ON TEST										ANIMAL ID			
	0006	0009	0009	0009	0009	0009	0009	0009	0009	0009				
	0	0	0	0	0	0	0	0	0	0	0001			
	0	0	0	0	0	0	0	0	0	0	0002			
	0	0	0	0	0	0	0	0	0	0	0003			
	0	0	0	0	0	0	0	0	0	0	0004			
	0	0	0	0	0	0	0	0	0	0	0005			
	0	0	0	0	0	0	0	0	0	0	0006			
	0	0	0	0	0	0	0	0	0	0	0007			
	0	0	0	0	0	0	0	0	0	0	0008			
	0	0	0	0	0	0	0	0	0	0	0009			
	0	0	0	0	0	0	0	0	0	0	0010			
	1	2	3	4	5	6	7	8	9	0				
													<b>* TOTALS</b>	
Red Pulp, Hematopoietic Cell Proliferation, Megakaryocyte	1	2	2	1	1	2	2	1	2	1				<b>10 1.5</b>
Red Pulp, Hematopoietic Cell Proliferation Erythrocytic	1		1	1	1	1	1	1	1	1				<b>9 1.0</b>
Thymus	+	+	+	+	+	+	+	+	+	+				<b>10</b>

**INTEGUMENTARY SYSTEM**

NONE

**MUSCULOSKELETAL SYSTEM**

NONE

**NERVOUS SYSTEM**

NONE

**RESPIRATORY SYSTEM**

NONE

**SPECIAL SENSES SYSTEM**

Eye														<b>1</b>
Harderian Gland	+	+	+	+	+	+	+	+	+	+				<b>10</b>

**URINARY SYSTEM**

Kidney	+	+	+	+	+	+	+	+	+	+				<b>10</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: 10472 - 02  
 Test Type: 90-DAY  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

**P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**  
 p-Chloro-a,a,a-trifluorotoluene  
 CAS Number: 98-56-6

Date Report Requested: 06/01/2012  
 Time Report Requested: 11:11:49  
 First Dose M/F: 10/26/09 / 10/26/09  
 Lab: BNW

B6C3F1 MICE FEMALE	DAY ON TEST										ANIMAL ID	
	0	0	0	0	0	0	0	0	0	0		
2000 ppm	0	0	0	0	0	0	0	0	0	0	0	
	9	9	9	9	9	9	9	9	9	9	1	
	6	6	6	6	6	6	6	6	6	6	1	
	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	0	0	0	
	1	2	3	4	5	6	7	8	9	0	1	
												<b>* TOTALS</b>

**ALIMENTARY SYSTEM**

Esophagus	+	+	+	+	+	+	+	+	+	+	<b>10</b>	
Gallbladder	+	M	+	+	+	+	+	+	+	+	<b>9</b>	
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	<b>10</b>	
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	<b>10</b>	
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	<b>10</b>	
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	<b>10</b>	
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	<b>10</b>	
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	<b>10</b>	
Liver	+	+	+	+	+	+	+	+	+	+	<b>10</b>	
Centrilobular, Hepatocyte, Hypertrophy	4	4	4	4	4	3	4	4	4	4		<b>10 3.9</b>
Centrilobular, Hepatocyte, Necrosis	1	1	2	2	1	2	2	1	2	2		<b>10 1.6</b>
Hepatocyte, Multinucleated	3	3	4	2	2	4	4	4	4	3		<b>10 3.3</b>
Pancreas	+	+	+	+	+	+	+	+	+	+	<b>10</b>	
Salivary Glands	+	+	+	+	+	+	+	+	+	+	<b>10</b>	
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	<b>10</b>	
Inflammation, Granulomatous	2	2		1	2	1	1	2	3			<b>8 1.8</b>
Epithelium, Hyperplasia	2	2	2	1	3	2	1	3	3	2		<b>10 2.1</b>

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

Experiment Number: 10472 - 02  
 Test Type: 90-DAY  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

**P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**  
 p-Chloro-a,a,a-trifluorotoluene  
 CAS Number: 98-56-6

Date Report Requested: 06/01/2012  
 Time Report Requested: 11:11:49  
 First Dose M/F: 10/26/09 / 10/26/09  
 Lab: BNW

B6C3F1 MICE FEMALE	DAY ON TEST											
	0	0	0	0	0	0	0	0	0	0		
2000 ppm	9	9	9	9	9	9	9	9	9	9		
	6	6	6	6	6	6	6	6	6	6		
	ANIMAL ID											
	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		
	0	0	0	0	0	0	0	0	0	1		
	1	2	3	4	5	6	7	8	9	0	<b>* TOTALS</b>	
Stomach, Glandular											<b>10</b>	
<b>CARDIOVASCULAR SYSTEM</b>												
Blood Vessel											<b>10</b>	
Heart											<b>10</b>	
<b>ENDOCRINE SYSTEM</b>												
Adrenal Cortex											<b>10</b>	
X-zone, Degeneration											<b>10</b>	<b>3.7</b>
Zona Fasciculata, Hypertrophy											<b>7</b>	<b>1.6</b>
Adrenal Medulla											<b>10</b>	
Islets, Pancreatic											<b>10</b>	
Parathyroid Gland											<b>4</b>	
Pituitary Gland											<b>10</b>	
Thyroid Gland											<b>9</b>	
<b>GENERAL BODY SYSTEM</b>												
NONE												
<b>GENITAL SYSTEM</b>												
Clitoral Gland											<b>3</b>	

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Experiment Number: 10472 - 02

Test Type: 90-DAY

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

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

p-Chloro-a,a,a-trifluorotoluene

CAS Number: 98-56-6

Date Report Requested: 06/01/2012

Time Report Requested: 11:11:49

First Dose M/F: 10/26/09 / 10/26/09

Lab: BNW

B6C3F1 MICE FEMALE	DAY ON TEST										ANIMAL ID									
	0	0	0	0	0	0	0	0	0	0										
2000 ppm	9	9	9	9	9	9	9	9	9	9	1	1	1	1	1	1	1	1	1	1
	6	6	6	6	6	6	6	6	6	6	0	0	0	0	0	0	0	0	0	0
	1	2	3	4	5	6	7	8	9	0										
											<b>* TOTALS</b>									

Ovary	+	+	+	+	+	+	+	+	+	+	<b>10</b>	
Uterus	+	+	+	+	+	+	+	+	+	+	<b>10</b>	

**HEMATOPOIETIC SYSTEM**

Bone Marrow	+	+	+	+	+	+	+	+	+	+	<b>10</b>	
Lymph Node, Bronchial	+	I	M	M	+	+	+	M	+	+	<b>6</b>	
Lymph Node, Mandibular	M	M	+	+	+	+	M	M	M	+	<b>5</b>	
Lymph Node, Mediastinal	M	M	M	M	M	+	M	M	M	+	<b>2</b>	
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	<b>10</b>	
Spleen	+	+	+	+	+	+	+	+	+	+	<b>10</b>	
Red Pulp, Hematopoietic Cell Proliferation, Megakaryocyte	2	2	2	2	2	2	2	2	2	2	<b>10</b>	<b>2.0</b>
Red Pulp, Hematopoietic Cell Proliferation Erythrocytic	1	1	1	1	1	1	1	1	1	1	<b>10</b>	<b>1.0</b>
Thymus	+	+	+	+	+	+	+	+	+	+	<b>10</b>	

**INTEGUMENTARY SYSTEM**

Mammary Gland	+	+	+	+	+	+	+	+	+	+	<b>10</b>	
Skin	+	+	+	+	+	+	+	+	+	+	<b>10</b>	

**MUSCULOSKELETAL SYSTEM**

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Experiment Number: 10472 - 02  
 Test Type: 90-DAY  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

**P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**  
 p-Chloro-a,a,a-trifluorotoluene  
 CAS Number: 98-56-6

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 First Dose M/F: 10/26/09 / 10/26/09  
 Lab: BNW

B6C3F1 MICE FEMALE	2000 ppm	DAY ON TEST										ANIMAL ID		
		0	0	0	0	0	0	0	0	0	0			0
		0	0	0	0	0	0	0	0	0	0	0		
		9	9	9	9	9	9	9	9	9	9	9		
		6	6	6	6	6	6	6	6	6	6	6		
		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	0	0	1		
		1	2	3	4	5	6	7	8	9	0			<b>* TOTALS</b>
<hr/>														
Bone		+	+	+	+	+	+	+	+	+	+			<b>10</b>
<hr/>														
<b>NERVOUS SYSTEM</b>														
Brain		+	+	+	+	+	+	+	+	+	+			<b>10</b>
<hr/>														
<b>RESPIRATORY SYSTEM</b>														
Larynx		+	+	+	+	+	+	+	+	+	+			<b>10</b>
Lung		+	+	+	+	+	+	+	+	+	+			<b>10</b>
Nose		+	+	+	+	+	+	+	+	+	+			<b>10</b>
Trachea		+	+	+	+	+	+	+	+	+	+			<b>10</b>
<hr/>														
<b>SPECIAL SENSES SYSTEM</b>														
Eye		+	+	+	+	+	+	+	+	+	+			<b>10</b>
Harderian Gland		+	+	+	+	+	+	+	+	+	+			<b>10</b>
<hr/>														
<b>URINARY SYSTEM</b>														
Kidney		+	+	+	+	+	+	+	+	+	+			<b>10</b>
Urinary Bladder		+	+	+	+	+	+	+	+	+	+			<b>10</b>

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

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