

**Experiment Number:** 10472 - 02

**Test Type:** 90-DAY

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** MICE/B6C3F1

**P04: NEOPLASMS 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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Lab: BNW

		DAY ON TEST													
		ANIMAL ID												* TOTALS	
B6C3F1 MICE MALE		CONTROL													
0	0	0	0	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	9	9			
5	5	5	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	0			
0	0	0	0	0	0	0	0	0	0	0	0	1			
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 tumor

+ .. Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

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

Lab: BNW

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

\* .. Total animals with tissue examined microscopically; Total animals with tumor

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Lab: BNW

		DAY ON TEST	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
		5	5	5	5	5	5	5	5	5	5	5
B6C3F1 MICE MALE	ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0
CONTROL		0	0	0	0	0	0	0	0	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	

\* TOTALS

## HEMATOPOIETIC SYSTEM

Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	10
Lymph Node, Bronchial	+	+	+	+	+	+	+	M	+	+	+	9
Lymph Node, Mandibular	+	+	+	+	+	M	M	+	M	+		7
Lymph Node, Mediastinal	M	+	M	M	+	M	+	+	+	M		5
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	10
Spleen	+	+	+	+	+	+	+	+	+	+	+	10
Thymus	+	+	+	+	+	+	+	+	+	+	+	10

## INTEGUMENTARY SYSTEM

Mammary Gland	M	M	M	M	M	M	M	M	M	M	M	0
Skin	+	+	+	+	+	+	+	+	+	+	+	10

## MUSCULOSKELETAL SYSTEM

Bone	+	+	+	+	+	+	+	+	+	+	+	10
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## NERVOUS SYSTEM

Brain	+	+	+	+	+	+	+	+	+	+	+	10
-------	---	---	---	---	---	---	---	---	---	---	---	----

## RESPIRATORY SYSTEM

\* .. Total animals with tissue examined microscopically; Total animals with tumor

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X .. Lesion present

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Lab: BNW

B6C3F1 MICE MALE	DAY ON TEST											* TOTALS
		0 0 9 5										
CONTROL	ANIMAL ID	0 0 0 0										
Larynx		+	+	+	+	+	+	+	+	+	+	10
Lung		+	+	+	+	+	+	+	+	+	+	10
Nose		+	+	+	+	+	+	+	+	+	+	10
Trachea		+	+	+	+	+	+	+	+	+	+	10
<b>SPECIAL SENSES SYSTEM</b>												
Eye		+	+	+	+	+	+	+	+	+	+	10
Harderian Gland		+	+	+	+	+	+	+	+	+	+	10
<b>URINARY SYSTEM</b>												
Kidney		+	+	+	+	+	+	+	+	+	+	10
Urinary Bladder		+	+	+	+	+	+	+	+	+	+	10
<b>SYSTEMIC LESIONS</b>												
Multiple Organ		+	+	+	+	+	+	+	+	+	+	10

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

Lab: BNW

B6C3F1 MICE MALE 125 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
		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
		2	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	0
		* TOTALS									

## ALIMENTARY SYSTEM

Liver	++ + + + + + + + +	10
Stomach, Forestomach	++ + + + + + + + +	10

## CARDIOVASCULAR SYSTEM

NONE

## ENDOCRINE SYSTEM

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

## GENERAL BODY SYSTEM

NONE

## GENITAL SYSTEM

NONE

## HEMATOPOIETIC SYSTEM

Spleen	++ + + + + + + + +	10
Thymus	++ + + + + + + + +	10

## INTEGUMENTARY SYSTEM

\* .. Total animals with tissue examined microscopically; Total animals with tumor

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

Lab: BNW

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

NONE

### MUSCULOSKELETAL SYSTEM

NONE

### NERVOUS SYSTEM

NONE

### RESPIRATORY SYSTEM

NONE

### SPECIAL SENSES SYSTEM

Harderian Gland

+ + + + + + + + + + 10

### URINARY SYSTEM

Kidney

+ + + + + + + + + + 10

### SYSTEMIC LESIONS

Multiple Organ

+ + + + + + + + + + 10

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

Lab: BNW

|                         |                | DAY ON TEST |   |   |   |   |   |   |   |   |   |   |   |          |  |
|-------------------------|----------------|-------------|---|---|---|---|---|---|---|---|---|---|---|----------|--|
|                         |                | ANIMAL ID   |   |   |   |   |   |   |   |   |   |   |   | * TOTALS |  |
| <b>B6C3F1 MICE MALE</b> | <b>250 ppm</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 |          |  |

**ALIMENTARY SYSTEM**

|                      |   |   |   |   |   |   |   |   |   |   |   |   |   |    |
|----------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| Liver                | + | + | + | + | + | + | + | + | + | + | + | + | + | 10 |
| Stomach, Forestomach | + | + | + | + | + | + | + | + | + | + | + | + | + | 10 |

**CARDIOVASCULAR SYSTEM**

NONE

**ENDOCRINE SYSTEM**

|                 |   |   |   |   |   |   |   |   |   |   |   |   |   |    |
|-----------------|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| Adrenal Cortex  | + | + | + | + | + | + | + | + | + | + | + | + | + | 10 |
| Adrenal Medulla | + | + | + | + | + | + | + | + | + | + | + | + | + | 10 |

**GENERAL BODY SYSTEM**

NONE

**GENITAL SYSTEM**

NONE

**HEMATOPOIETIC SYSTEM**

|        |   |   |   |   |   |   |   |   |   |   |   |   |   |    |
|--------|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| Spleen | + | + | + | + | + | + | + | + | + | + | + | + | + | 10 |
| Thymus | + | + | + | + | + | + | + | + | + | + | + | + | + | 10 |

**INTEGUMENTARY SYSTEM**

\* .. Total animals with tissue examined microscopically; Total animals with tumor

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

Lab: BNW

|                  |  | DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |
|------------------|--|-------------|---|---|---|---|---|---|---|---|---|---|--|
|                  |  | 0           | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |
| B6C3F1 MICE MALE |  | 9           | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |  |
| 250 ppm          |  | 5           | 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 |  |
|                  |  | 4           | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |  |
|                  |  | 0           | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |  |
|                  |  | 1           | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 9 | 0 |  |

\* TOTALS

NONE

**MUSCULOSKELETAL SYSTEM**

NONE

**NERVOUS SYSTEM**

NONE

**RESPIRATORY SYSTEM**

NONE

**SPECIAL SENSES SYSTEM**

Harderian Gland

+ + + + + + + + + + +

10

**URINARY SYSTEM**

Kidney

+ + + + + + + + + + +

10

**SYSTEMIC LESIONS**

Multiple Organ

+ + + + + + + + + + +

10

\* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

X .. Lesion present

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Lab: BNW

|                         |                | DAY ON TEST |   |   |   |   |   |   |   |   |   |   |   |          |  |
|-------------------------|----------------|-------------|---|---|---|---|---|---|---|---|---|---|---|----------|--|
|                         |                | ANIMAL ID   |   |   |   |   |   |   |   |   |   |   |   | * TOTALS |  |
| <b>B6C3F1 MICE MALE</b> | <b>500 ppm</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 |          |  |
|                         |                | 9           | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |          |  |
|                         |                | 5           | 5 | 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 |          |  |
|                         |                | 6           | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |          |  |
|                         |                | 0           | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |          |  |
|                         |                | 1           | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 9 | 0 |   |          |  |

**ALIMENTARY SYSTEM**

|                      |   |   |   |   |   |   |   |   |   |   |   |   |    |
|----------------------|---|---|---|---|---|---|---|---|---|---|---|---|----|
| Liver                | + | + | + | + | + | + | + | + | + | + | + | + | 10 |
| Stomach, Forestomach | + | + | + | + | + | + | + | + | + | + | + | + | 10 |

**CARDIOVASCULAR SYSTEM**

NONE

**ENDOCRINE SYSTEM**

|                 |   |   |   |   |   |   |   |   |   |   |   |   |    |
|-----------------|---|---|---|---|---|---|---|---|---|---|---|---|----|
| Adrenal Cortex  | + | + | + | + | + | + | + | + | + | + | + | + | 10 |
| Adrenal Medulla | + | + | + | + | + | + | + | + | + | + | + | M | 9  |

**GENERAL BODY SYSTEM**

NONE

**GENITAL SYSTEM**

NONE

**HEMATOPOIETIC SYSTEM**

|        |   |   |   |   |   |   |   |   |   |   |   |   |    |
|--------|---|---|---|---|---|---|---|---|---|---|---|---|----|
| Spleen | + | + | + | + | + | + | + | + | + | + | + | + | 10 |
| Thymus | + | + | + | + | + | + | + | + | + | + | + | + | 10 |

**INTEGUMENTARY SYSTEM**

\* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

X .. Lesion present

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M .. Missing tissue

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BLANK .. Not examined microscopically

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Lab: BNW

|                         |  | DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|-------------------------|--|-------------|---|---|---|---|---|---|---|---|---|
| <b>B6C3F1 MICE MALE</b> |  | 0           | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <b>500 ppm</b>          |  | 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 |
|                         |  | 6           | 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 |

\* TOTALS

NONE

**MUSCULOSKELETAL SYSTEM**

NONE

**NERVOUS SYSTEM**

NONE

**RESPIRATORY SYSTEM**

NONE

**SPECIAL SENSES SYSTEM**

Harderian Gland

++ + + + + + + + +

10

**URINARY SYSTEM**

Kidney

++ + + + + + + + +

10

**SYSTEMIC LESIONS**

Multiple Organ

++ + + + + + + + +

10

\* .. Total animals with tissue examined microscopically; Total animals with tumor

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|                  |   | DAY ON TEST |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|------------------|---|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
|                  |   | ANIMAL ID   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| B6C3F1 MICE MALE |   | 1000 ppm    |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 0                | 0 | 0           | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0                | 0 | 0           | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 9                | 9 | 9           | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 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 | 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 | 0 | 0 | 0 | 0 | 0 | 0 |
| 8                | 8 | 8           | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 |
| 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 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 0 |

\* TOTALS

## ALIMENTARY SYSTEM

|                      |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |
|----------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| Liver                | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 10 |
| Stomach, Forestomach | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 10 |

## CARDIOVASCULAR SYSTEM

NONE

## ENDOCRINE SYSTEM

|                 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |
|-----------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| Adrenal Cortex  | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 10 |
| Adrenal Medulla | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 10 |

## GENERAL BODY SYSTEM

NONE

## GENITAL SYSTEM

NONE

## HEMATOPOIETIC SYSTEM

|        |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |
|--------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| Spleen | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 10 |
| Thymus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 10 |

## INTEGUMENTARY SYSTEM

\* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

Experiment Number: 10472 - 02

Test Type: 90-DAY

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P04: NEOPLASMS 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

|                         |  | DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|-------------------------|--|-------------|---|---|---|---|---|---|---|---|---|
| <b>B6C3F1 MICE MALE</b> |  | 0           | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <b>1000 ppm</b>         |  | 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 |
|                         |  | 8           | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 |
|                         |  | 0           | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
|                         |  | 1           | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 |

\* TOTALS

NONE

**MUSCULOSKELETAL SYSTEM**

NONE

**NERVOUS SYSTEM**

NONE

**RESPIRATORY SYSTEM**

NONE

**SPECIAL SENSES SYSTEM**

Harderian Gland

+ + + + + + + + + +

10

**URINARY SYSTEM**

Kidney

+ + + + + + + + + +

10

**SYSTEMIC LESIONS**

Multiple Organ

+ + + + + + + + + +

10

\* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

Experiment Number: 10472 - 02

Test Type: 90-DAY

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

## P04: NEOPLASMS 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 |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |
|------------------|----------|-------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|
|                  |          |             | 0<br>0<br>9<br>5 |
| ANIMAL ID        | * TOTALS |             |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |
|                  | 1        | 0           | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                |
|                  | 1        | 1           | 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                | 0                | 0                | 1                |
|                  | 1        | 2           | 3                | 4                | 5                | 6                | 7                | 8                | 9                | 0                |                  |                  |
|                  |          |             |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |
|                  |          |             |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |
|                  |          |             |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |
|                  |          |             |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |

## ALIMENTARY SYSTEM

|                           |   |   |   |   |   |   |   |   |   |   |   |   |    |
|---------------------------|---|---|---|---|---|---|---|---|---|---|---|---|----|
| Esophagus                 | + | + | + | + | + | + | + | + | + | + | + | + | 10 |
| Gallbladder               | + | + | + | + | + | M | + | + | + | + | + | + | 9  |
| 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 |
|--------------|---|---|---|---|---|---|---|---|---|---|---|---|----|

\* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

Experiment Number: 10472 - 02

Test Type: 90-DAY

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

## P04: NEOPLASMS 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 |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  | * TOTALS |
|----------------------------|----------|-------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|----------|
|                            |          |             | 0<br>0<br>9<br>5 |          |
|                            |          | ANIMAL ID   | 0<br>1<br>0<br>0 |          |
| Heart                      |          |             | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | 10       |
| <b>ENDOCRINE SYSTEM</b>    |          |             |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |          |
| Adrenal Cortex             |          |             | +                | +                | +                |                  | +                | +                | +                | +                | +                | +                | 9        |
| Adrenal Medulla            |          |             | +                | +                | +                | M                | +                | +                | +                | +                | +                | +                | 9        |
| Islets, Pancreatic         |          |             | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | 10       |
| Parathyroid Gland          |          |             | +                | M                | +                | +                | M                | +                | M                | +                | +                | M                | 6        |
| Pituitary Gland            |          |             | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | 10       |
| Thyroid Gland              |          |             | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | 10       |
| <b>GENERAL BODY SYSTEM</b> |          |             |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |          |
| NONE                       |          |             |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |          |
| <b>GENITAL SYSTEM</b>      |          |             |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |          |
| Epididymis                 |          |             | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | 10       |
| Preputial Gland            |          |             | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | 10       |
| Prostate                   |          |             | +                | +                | +                | +                | +                | +                | +                | M                | +                | +                | 9        |
| Seminal Vesicle            |          |             | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | 10       |
| Testes                     |          |             | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | 10       |

\* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

Experiment Number: 10472 - 02

Test Type: 90-DAY

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

## P04: NEOPLASMS 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

|                  |  | DAY ON TEST |   |   |   |   |   |   |   |   |   |   |   |
|------------------|--|-------------|---|---|---|---|---|---|---|---|---|---|---|
|                  |  | ANIMAL ID   |   |   |   |   |   |   |   |   |   |   |   |
| B6C3F1 MICE MALE |  | 0           | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2000 ppm         |  | 0           | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|                  |  | 9           | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
|                  |  | 5           | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
|                  |  | 0           | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|                  |  | 1           | 1 | 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 | 0 | 0 | 1 |
|                  |  | 1           | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 |   |   |

\* TOTALS

## HEMATOPOIETIC SYSTEM

|                         |                     |    |
|-------------------------|---------------------|----|
| Bone Marrow             | + + + + + + + + + + | 10 |
| Lymph Node, Bronchial   | + M + I + + M + + + | 7  |
| Lymph Node, Mandibular  | + + + + M M + M + M | 6  |
| Lymph Node, Mediastinal | + + + M M + + M M + | 6  |
| Lymph Node, Mesenteric  | + + + + + + + + + + | 10 |
| Spleen                  | + + + + + + + + + + | 10 |
| Thymus                  | + + + M I + + + + + | 8  |

## INTEGUMENTARY SYSTEM

|               |                     |   |
|---------------|---------------------|---|
| Mammary Gland | M M M M M M M M M M | 0 |
| Skin          | + + + M + + + + + + | 9 |

## MUSCULOSKELETAL SYSTEM

|      |                     |    |
|------|---------------------|----|
| Bone | + + + + + + + + + + | 10 |
|------|---------------------|----|

## NERVOUS SYSTEM

|       |                     |    |
|-------|---------------------|----|
| Brain | + + + + + + + + + + | 10 |
|-------|---------------------|----|

## RESPIRATORY SYSTEM

\* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

Experiment Number: 10472 - 02

Test Type: 90-DAY

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

## P04: NEOPLASMS 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 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|------------------------------|-------------|---|---|---|---|---|---|---|---|---|---|
|                              |             | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2000 ppm                     | ANIMAL ID   | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
|                              |             | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| * TOTALS                     |             |   |   |   |   |   |   |   |   |   |   |
| Larynx                       |             | + | + | + | + | + | + | + | + | + | + |
| Lung                         |             | + | + | + | + | + | + | + | + | + | + |
| Nose                         |             | + | + | + | + | + | + | + | + | + | + |
| Trachea                      |             | + | + | + | + | + | + | + | + | + | + |
| <b>SPECIAL SENSES SYSTEM</b> |             |   |   |   |   |   |   |   |   |   |   |
| Eye                          |             | + | + | + | + | + | + | + | + | + | + |
| Harderian Gland              |             | + | + | + | + | + | + | + | + | + | + |
| <b>URINARY SYSTEM</b>        |             |   |   |   |   |   |   |   |   |   |   |
| Kidney                       |             | + | + | + | + | + | + | + | + | + | + |
| Urinary Bladder              |             | + | + | + | + | + | + | + | + | + | + |
| <b>SYSTEMIC LESIONS</b>      |             |   |   |   |   |   |   |   |   |   |   |
| Multiple Organ               |             | + | + | + | + | + | + | + | + | + | + |

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

\* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

Experiment Number: 10472 - 02

Test Type: 90-DAY

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

## P04: NEOPLASMS 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

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

\* TOTALS

## 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 |
|--------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|

\* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

**Experiment Number:** 10472 - 02

## P04: NEOPLASMS BY INDIVIDUAL ANIMAL

**Date Report Requested:** 06/01/2012

**Test Type:** 90-DAY

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** MICE/B6C3F1

### p-Chloro-a.a.a-trifluorotoluene

CAS Number: 98-56-6

**Time Report Requested:** 11:11:49

**First Dose M/E:** 10/26/09 / 10/26/09

Lab BNW

\* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

Experiment Number: 10472 - 02

Test Type: 90-DAY

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

## P04: NEOPLASMS 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<br>CONTROL | DAY ON TEST<br>ANIMAL ID |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  | * TOTALS |
|-------------------------------|--------------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|----------|
|                               |                          | 0<br>0<br>9<br>6 |          |
| 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       |
| Lung                          |                          | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | 10       |

\* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

Experiment Number: 10472 - 02

Test Type: 90-DAY

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

## P04: NEOPLASMS 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

|                              |  | DAY ON TEST | 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  |
| <b>B6C3F1 MICE FEMALE</b>    |  |             |   |   |   |   |   |   |   |   |   |    |
| <b>CONTROL</b>               |  | ANIMAL ID   | 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  |
|                              |  | 0           | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1  |
|                              |  | 1           | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | *  |
| <b>TOTALS</b>                |  |             |   |   |   |   |   |   |   |   |   |    |
| Nose                         |  | +           | + | + | + | + | + | + | + | + | + | 10 |
| Trachea                      |  | +           | + | + | + | + | + | + | + | + | + | 10 |
| <b>SPECIAL SENSES SYSTEM</b> |  |             |   |   |   |   |   |   |   |   |   |    |
| Eye                          |  | +           | + | + | + | + | + | + | + | + | + | 10 |
| Harderian Gland              |  | +           | + | + | + | + | + | + | + | + | + | 10 |
| <b>URINARY SYSTEM</b>        |  |             |   |   |   |   |   |   |   |   |   |    |
| Kidney                       |  | +           | + | + | + | + | + | + | + | + | + | 10 |
| Urinary Bladder              |  | +           | + | + | + | + | + | + | + | + | + | 10 |
| <b>SYSTEMIC LESIONS</b>      |  |             |   |   |   |   |   |   |   |   |   |    |
| Multiple Organ               |  | +           | + | + | + | + | + | + | + | + | + | 10 |

\* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

Experiment Number: 10472 - 02

Test Type: 90-DAY

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

## P04: NEOPLASMS 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<br>125 ppm | DAY ON TEST<br>ANIMAL ID | 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 |
|                               |                          | 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 | 1 |   |
|                               |                          | 1        | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 |
|                               |                          | * TOTALS |   |   |   |   |   |   |   |   |   |

## ALIMENTARY SYSTEM

|                      |   |   |   |   |   |   |   |   |   |   |   |    |
|----------------------|---|---|---|---|---|---|---|---|---|---|---|----|
| Liver                | + | + | + | + | + | + | + | + | + | + | + | 10 |
| Stomach, Forestomach | + | + | + | + | + | + | + | + | I | + |   | 9  |

## CARDIOVASCULAR SYSTEM

NONE

## ENDOCRINE SYSTEM

|                 |   |   |   |   |   |   |   |   |   |   |   |    |
|-----------------|---|---|---|---|---|---|---|---|---|---|---|----|
| Adrenal Cortex  | + | + | + | + | + | + | + | + | + | + | + | 10 |
| Adrenal Medulla | + | + | + | + | + | + | + | + | + | + | + | 10 |

## GENERAL BODY SYSTEM

NONE

## GENITAL SYSTEM

NONE

## HEMATOPOIETIC SYSTEM

|        |   |   |   |   |   |   |   |   |   |   |   |    |
|--------|---|---|---|---|---|---|---|---|---|---|---|----|
| Spleen | + | + | + | + | + | + | + | + | + | + | + | 10 |
| Thymus | + | + | + | + | + | + | + | + | + | + | + | 10 |

## INTEGUMENTARY SYSTEM

\* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

Experiment Number: 10472 - 02

Test Type: 90-DAY

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P04: NEOPLASMS 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<br>125 ppm | DAY ON TEST           |                       |                       |                       |                       |                       |                       |                       |                       |                       |                  |  |
|-------------------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|------------------|--|
|                               |                       | 0<br>0<br>9<br>6      | 0<br>0<br>9<br>6 |  |
| ANIMAL ID                     | 0<br>0<br>3<br>0<br>1 | 0<br>0<br>3<br>0<br>2 | 0<br>0<br>3<br>0<br>3 | 0<br>0<br>3<br>0<br>4 | 0<br>0<br>3<br>0<br>5 | 0<br>0<br>3<br>0<br>6 | 0<br>0<br>3<br>0<br>7 | 0<br>0<br>3<br>0<br>8 | 0<br>0<br>3<br>0<br>9 | 0<br>0<br>3<br>0<br>0 | * TOTALS         |  |
|                               |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                  |  |

NONE

### MUSCULOSKELETAL SYSTEM

NONE

### NERVOUS SYSTEM

NONE

### RESPIRATORY SYSTEM

NONE

### SPECIAL SENSES SYSTEM

Harderian Gland

++ + + + + + + + +

10

### URINARY SYSTEM

Kidney

++ + + + + + + + +

10

### SYSTEMIC LESIONS

Multiple Organ

++ + + + + + + + +

10

\* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

Experiment Number: 10472 - 02

Test Type: 90-DAY

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

## P04: NEOPLASMS 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<br>250 ppm | DAY ON TEST<br>ANIMAL ID | 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 |
|                               |                          | 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 |
|                               |                          | 0        | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |   |
|                               |                          | 1        | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 |
|                               |                          | * TOTALS |   |   |   |   |   |   |   |   |   |

## ALIMENTARY SYSTEM

|                      |   |   |   |   |   |   |   |   |   |   |   |    |
|----------------------|---|---|---|---|---|---|---|---|---|---|---|----|
| Liver                | + | + | + | + | + | + | + | + | + | + | + | 10 |
| Stomach, Forestomach | + | I | + | + | + | + | + | + | + | + | + | 9  |

## CARDIOVASCULAR SYSTEM

NONE

## ENDOCRINE SYSTEM

|                 |   |   |   |   |   |   |   |   |   |   |   |    |
|-----------------|---|---|---|---|---|---|---|---|---|---|---|----|
| Adrenal Cortex  | + | + | + | + | + | + | + | + | + | + | + | 10 |
| Adrenal Medulla | + | + | + | + | + | + | + | + | + | + | + | 10 |

## GENERAL BODY SYSTEM

NONE

## GENITAL SYSTEM

NONE

## HEMATOPOIETIC SYSTEM

|        |   |   |   |   |   |   |   |   |   |   |   |    |
|--------|---|---|---|---|---|---|---|---|---|---|---|----|
| Spleen | + | + | + | + | + | + | + | + | + | + | + | 10 |
| Thymus | + | + | + | + | + | + | + | + | + | + | + | 10 |

## INTEGUMENTARY SYSTEM

\* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

Experiment Number: 10472 - 02

Test Type: 90-DAY

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P04: NEOPLASMS 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<br>250 ppm | DAY ON TEST<br>ANIMAL ID |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |
|-------------------------------|--------------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
|                               |                          | 0<br>0<br>9<br>6      |
|                               |                          | 0<br>0<br>5<br>0<br>1 | 0<br>0<br>5<br>0<br>2 | 0<br>0<br>5<br>0<br>3 | 0<br>0<br>5<br>0<br>4 | 0<br>0<br>5<br>0<br>5 | 0<br>0<br>5<br>0<br>6 | 0<br>0<br>5<br>0<br>7 | 0<br>0<br>5<br>0<br>8 | 0<br>0<br>5<br>0<br>9 | 0<br>0<br>5<br>0<br>0 |

\* TOTALS

NONE

**MUSCULOSKELETAL SYSTEM**

NONE

**NERVOUS SYSTEM**

NONE

**RESPIRATORY SYSTEM**

NONE

**SPECIAL SENSES SYSTEM**

Harderian Gland

++ + + + + + + + + +

10

**URINARY SYSTEM**

Kidney

++ + + + + + + + + +

10

**SYSTEMIC LESIONS**

Multiple Organ

++ + + + + + + + + +

10

\* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

Experiment Number: 10472 - 02

Test Type: 90-DAY

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

## P04: NEOPLASMS 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

|                    |   | DAY ON TEST |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|--------------------|---|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
|                    |   | ANIMAL ID   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| B6C3F1 MICE FEMALE |   | 500 ppm     |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| 0                  | 0 | 0           | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0                  | 0 | 0           | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 9                  | 9 | 9           | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| 6                  | 6 | 6           | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 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 | 0           | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 7                  | 7 | 7           | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| 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 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 0 |

\* TOTALS

## ALIMENTARY SYSTEM

|                      |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |
|----------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| Liver                | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 10 |
| Stomach, Forestomach | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 10 |

## CARDIOVASCULAR SYSTEM

NONE

## ENDOCRINE SYSTEM

|                 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |
|-----------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| Adrenal Cortex  | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 10 |
| Adrenal Medulla | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 10 |

## GENERAL BODY SYSTEM

NONE

## GENITAL SYSTEM

NONE

## HEMATOPOIETIC SYSTEM

|        |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |
|--------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| Spleen | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 10 |
| Thymus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 10 |

## INTEGUMENTARY SYSTEM

\* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

Experiment Number: 10472 - 02

Test Type: 90-DAY

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P04: NEOPLASMS 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

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

\* TOTALS

NONE

### MUSCULOSKELETAL SYSTEM

NONE

### NERVOUS SYSTEM

NONE

### RESPIRATORY SYSTEM

NONE

### SPECIAL SENSES SYSTEM

Harderian Gland

+ + + + + + + + + +

10

### URINARY SYSTEM

Kidney

+ + + + + + + + + +

10

### SYSTEMIC LESIONS

Multiple Organ

+ + + + + + + + + +

10

\* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

Experiment Number: 10472 - 02

Test Type: 90-DAY

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

## P04: NEOPLASMS 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<br>1000 ppm | DAY ON TEST<br>ANIMAL ID | 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 |
|                                |                          | 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 |
|                                |                          | 0        | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
|                                |                          | 1        | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 |
|                                |                          | * TOTALS |   |   |   |   |   |   |   |   |   |

## ALIMENTARY SYSTEM

|                      |   |   |   |   |   |   |   |   |   |   |    |
|----------------------|---|---|---|---|---|---|---|---|---|---|----|
| Liver                | + | + | + | + | + | + | + | + | + | + | 10 |
| Stomach, Forestomach | + | + | + | + | + | + | + | + | + | + | 10 |

## CARDIOVASCULAR SYSTEM

NONE

## ENDOCRINE SYSTEM

|                 |   |   |   |   |   |   |   |   |   |   |    |
|-----------------|---|---|---|---|---|---|---|---|---|---|----|
| Adrenal Cortex  | + | + | + | + | + | + | + | + | + | + | 10 |
| Adrenal Medulla | + | + | + | + | + | + | + | + | + | + | 10 |

## GENERAL BODY SYSTEM

NONE

## GENITAL SYSTEM

NONE

## HEMATOPOIETIC SYSTEM

|        |   |   |   |   |   |   |   |   |   |   |    |
|--------|---|---|---|---|---|---|---|---|---|---|----|
| Spleen | + | + | + | + | + | + | + | + | + | + | 10 |
| Thymus | + | + | + | + | + | + | + | + | + | + | 10 |

## INTEGUMENTARY SYSTEM

\* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

Experiment Number: 10472 - 02

Test Type: 90-DAY

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P04: NEOPLASMS 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<br>1000 ppm | DAY ON TEST<br>ANIMAL ID |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |
|--------------------------------|--------------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|
|                                |                          | 0<br>0<br>9<br>6 |
|                                |                          | 0<br>0<br>9<br>0 |

\* TOTALS

NONE

**MUSCULOSKELETAL SYSTEM**

NONE

**NERVOUS SYSTEM**

NONE

**RESPIRATORY SYSTEM**

NONE

**SPECIAL SENSES SYSTEM**

|     |   |   |
|-----|---|---|
| Eye | + | 1 |
|-----|---|---|

|                 |   |   |   |   |   |   |   |   |   |   |    |
|-----------------|---|---|---|---|---|---|---|---|---|---|----|
| Harderian Gland | + | + | + | + | + | + | + | + | + | + | 10 |
|-----------------|---|---|---|---|---|---|---|---|---|---|----|

**URINARY SYSTEM**

|        |   |   |   |   |   |   |   |   |   |   |    |
|--------|---|---|---|---|---|---|---|---|---|---|----|
| Kidney | + | + | + | + | + | + | + | + | + | + | 10 |
|--------|---|---|---|---|---|---|---|---|---|---|----|

**SYSTEMIC LESIONS**

|                |   |   |   |   |   |   |   |   |   |   |    |
|----------------|---|---|---|---|---|---|---|---|---|---|----|
| Multiple Organ | + | + | + | + | + | + | + | + | + | + | 10 |
|----------------|---|---|---|---|---|---|---|---|---|---|----|

\* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

Experiment Number: 10472 - 02

Test Type: 90-DAY

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

## P04: NEOPLASMS 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<br>2000 ppm | DAY ON TEST | 0        | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|--------------------------------|-------------|----------|---|---|---|---|---|---|---|---|---|
|                                |             | 0        | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ANIMAL ID                      |             | 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 |
|                                |             | 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 |
|                                |             | * TOTALS |   |   |   |   |   |   |   |   |   |

## ALIMENTARY SYSTEM

|                           |   |   |   |   |   |   |   |   |   |   |    |
|---------------------------|---|---|---|---|---|---|---|---|---|---|----|
| Esophagus                 | + | + | + | + | + | + | + | + | + | + | 10 |
| Gallbladder               | + | M | + | + | + | + | + | + | + | + | 9  |
| 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 |
|--------------|---|---|---|---|---|---|---|---|---|---|----|

\* .. Total animals with tissue examined microscopically; Total animals with tumor

M .. Missing tissue

+ .. Tissue examined microscopically

A .. Autolysis precludes evaluation

X .. Lesion present

BLANK .. Not examined microscopically

I .. Insufficient tissue

Experiment Number: 10472 - 02

Test Type: 90-DAY

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

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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<br>2000 ppm | DAY ON TEST | 0        | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|--------------------------------|-------------|----------|---|---|---|---|---|---|---|---|---|
|                                |             | 0        | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ANIMAL ID                      |             | 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 |
|                                |             | 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 |
|                                |             | * TOTALS |   |   |   |   |   |   |   |   |   |

|       |   |   |   |   |   |   |   |   |   |   |   |    |
|-------|---|---|---|---|---|---|---|---|---|---|---|----|
| Heart | + | + | + | + | + | + | + | + | + | + | + | 10 |
|-------|---|---|---|---|---|---|---|---|---|---|---|----|

**ENDOCRINE SYSTEM**

|                    |   |   |   |   |   |   |   |   |   |   |   |    |
|--------------------|---|---|---|---|---|---|---|---|---|---|---|----|
| Adrenal Cortex     | + | + | + | + | + | + | + | + | + | + | + | 10 |
| Adrenal Medulla    | + | + | + | + | + | + | + | + | + | + | + | 10 |
| Islets, Pancreatic | + | + | + | + | + | + | + | + | + | + | + | 10 |
| Parathyroid Gland  | M | M | + | + | M | + | M | M | + | M |   | 4  |
| Pituitary Gland    | + | + | + | + | + | + | + | + | + | + | + | 10 |
| Thyroid Gland      | + | + | + | M | + | + | + | + | + | + | + | 9  |

**GENERAL BODY SYSTEM**

NONE

**GENITAL SYSTEM**

|                |   |   |   |   |   |   |   |   |   |   |   |    |
|----------------|---|---|---|---|---|---|---|---|---|---|---|----|
| Clitoral Gland | M | + | M | + | + | M | M | M | M | M |   | 3  |
| Ovary          | + | + | + | + | + | + | + | + | + | + | + | 10 |
| Uterus         | + | + | + | + | + | + | + | + | + | + | + | 10 |

**HEMATOPOIETIC SYSTEM**

|             |   |   |   |   |   |   |   |   |   |   |   |    |
|-------------|---|---|---|---|---|---|---|---|---|---|---|----|
| Bone Marrow | + | + | + | + | + | + | + | + | + | + | + | 10 |
|-------------|---|---|---|---|---|---|---|---|---|---|---|----|

\* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

Experiment Number: 10472 - 02

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Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

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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<br>2000 ppm | DAY ON TEST           |                       |                       |                       |                       |                       |                       |                       |                       |                       |                  | * TOTALS |    |  |  |  |
|--------------------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|------------------|----------|----|--|--|--|
|                                |                       | 0<br>0<br>9<br>6      | 0<br>0<br>9<br>6 |          |    |  |  |  |
| ANIMAL ID                      | 0<br>1<br>1<br>0<br>1 | 0<br>1<br>1<br>0<br>2 | 0<br>1<br>1<br>0<br>3 | 0<br>1<br>1<br>0<br>4 | 0<br>1<br>1<br>0<br>5 | 0<br>1<br>1<br>0<br>6 | 0<br>1<br>1<br>0<br>7 | 0<br>1<br>1<br>0<br>8 | 0<br>1<br>1<br>0<br>9 | 0<br>1<br>1<br>0<br>0 |                  |          |    |  |  |  |
| Lymph Node, Bronchial          | + I M M + + + M + +   |                       |                       |                       |                       |                       |                       |                       |                       |                       |                  |          | 6  |  |  |  |
| Lymph Node, Mandibular         | M M + + + + M M M +   |                       |                       |                       |                       |                       |                       |                       |                       |                       |                  |          | 5  |  |  |  |
| Lymph Node, Mediastinal        | M M M M M + M M M +   |                       |                       |                       |                       |                       |                       |                       |                       |                       |                  |          | 2  |  |  |  |
| 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 |  |  |  |
| Lung                           | + + + + + + + + + +   |                       |                       |                       |                       |                       |                       |                       |                       |                       |                  |          | 10 |  |  |  |

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| B6C3F1 MICE FEMALE<br>2000 ppm | DAY ON TEST<br>ANIMAL ID |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  | * TOTALS |
|--------------------------------|--------------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|----------|
|                                |                          | 0<br>0<br>9<br>6 |          |
| Nose                           |                          | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | 10       |
| Trachea                        |                          | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | 10       |
| <b>SPECIAL SENSES SYSTEM</b>   |                          |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |          |
| Eye                            |                          | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | 10       |
| Harderian Gland                |                          | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | 10       |
| <b>URINARY SYSTEM</b>          |                          |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |          |
| Kidney                         |                          | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | 10       |
| Urinary Bladder                |                          | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | 10       |
| <b>SYSTEMIC LESIONS</b>        |                          |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |          |
| Multiple Organ                 |                          | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | 10       |

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

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+ .. Tissue examined microscopically

X .. Lesion present

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