

**TDMS No.** 93025 - 06

**Test Type:** CHRONIC

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** MICE/B6C3F1

**P04: NEOPLASMS BY INDIVIDUAL ANIMAL**

Tetralin

**CAS Number:** 119-64-2

**Date Report Requested:** 05/22/2008

**Time Report Requested:** 06:34:08

**First Dose M/F:** 06/23/03 / 06/23/03

**Lab:** BNW

**C Number:** C93025

**Lock Date:** 03/22/2006

**Cage Range:** ALL

**Date Range:** ALL

**Reasons For Removal:** ALL

**Removal Date Range:** ALL

**Treatment Groups:** Include ALL

**Study Gender:** Both

**TDMSE Version:** 2.0.0



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## Lab: BNW

**males  
(cont...)**

## CARDIOVASCULAR SYSTEM

## **ENDOCRINE SYSTEM**

\* .. Total animals with tissue examined microscopically; Total animals with tumor  
+ .. Tissue examined microscopically  
x .. Lesion present  
| .. Insufficient tissue

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





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

## **INTEGUMENTARY SYSTEM**

## Mammary Gland

M M

## Skin

## Subcutaneous Tissue, Fibrous Histiocytoma

## Subcutaneous Tissue, Hemangioma

Subcutaneous Tissue,  
Hemangiosarcoma

## Subcutaneous Tissue, Sarcoma

## MUSCULOSKELETAL SYSTEM

Bone

+

## **NERVOUS SYSTEM**

Brain

+

## Peripheral Nerve

•

Spinal Cord

•

\* .. Total animals with tissue examined microscopically; Total animals with tumor  
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	DAY ON TEST																								
B6C3F1 MICE MALE	ANIMAL ID																			males (cont...)					
CONTROL	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5
	0	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	5	6	7	7	7	7	7	7	6	7	7	5	7	6	5
	3	3	2	3	3	2	3	2	2	3	9	3	2	2	2	2	2	2	0	3	3	9	3	1	1
	0	0	9	1	0	9	0	9	9	0	7	5	9	9	9	9	9	9	4	0	0	3	0	8	6

# **RESPIRATORY SYSTEM**

## **SPECIAL SENSES SYSTEM**

\* .. Total animals with tissue examined microscopically; Total animals with tumor  
+ .. Tissue examined microscopically  
x .. Lesion present  
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	DAY ON TEST																								
B6C3F1 MICE MALE	ANIMAL ID																		males (cont...)						
CONTROL	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5
	0	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	5	6	7	7	7	7	7	6	7	7	5	7	6	5	
	3	3	2	3	3	2	3	2	2	3	9	3	2	2	2	2	2	0	3	3	9	3	1	1	
	0	0	9	1	0	9	0	9	9	0	7	5	9	9	9	9	9	4	0	0	3	0	8	6	

## **URINARY SYSTEM**

## **SYSTEMIC LESIONS**

## Lymphoma Malignant

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

+ .. Tissue examined microscopically

x .. Lesion present

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## **ALIMENTARY SYSTEM**

Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Gallbladder	+	+	+	M	+	+	+	+	+	+	+	+	+	+	A	+	A	+	+	+	43	
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	A	+	+	+	47	
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	A	+	+	+	48	
Intestine Large, Rectum	+	+	M	+	+	+	+	+	+	+	+	+	+	+	A	+	A	I	+	+	46	
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	A	A	+	+	45	
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	A	A	+	+	47	
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	A	A	+	+	45	
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	A	A	+	+	49	
Hemangiosarcoma																			X		1	
Hepatocellular Adenoma	X			X	X		X			X	X	X	X		X		X		X		18	
Hepatocellular Adenoma, Multiple		X			X	X		X	X	X						X		X		X		15
Hepatocellular Carcinoma							X								X		X	X	X		11	
Mesentery								+		+	+	+				+		+		+		13

\* .. 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

x .. Lesion present  
| Insufficient tissue

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## CARDIOVASCULAR SYSTEM

## **ENDOCRINE SYSTEM**

- \* .. Total animals with tissue examined microscopically; Total animals with tumor
- + .. Tissue examined microscopically
- x .. Lesion present
- | .. Insufficient tissue

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Lab: BNW

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

## **HEMATOPOIETIC SYSTEM**

\* .. 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.

.. Lesion present  
 Insufficient tissue

BEANK .. Not examined microscopically

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## Lab: BNW

# **INTEGUMENTARY SYSTEM**

# MUSCULOSKELETAL SYSTEM

## **NERVOUS SYSTEM**

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

+ .. Tissue examined microscopically

x ... Lesion present

| Insufficient tissue

### M .. Missing tissue

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BLANK - Not examined microscopically

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## **RESPIRATORY SYSTEM**

Larynx	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Alveolar/Bronchiolar Adenoma																X		X	X	X	10
Alveolar/Bronchiolar Carcinoma							X		X	X						X	X	X			11
Carcinoma, Metastatic, Harderian Gland																					1
Hepatocellular Carcinoma, Metastatic, Liver										X							X			X	4
Lymphoma Malignant																					1
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	49
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	49

## SPECIAL SENSES SYSTEM

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

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x ... Lesion present

x .. Lesion present  
| Insufficient tissue

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## Lab: BNW

## **URINARY SYSTEM**

Urinary Bladder + + + + + + + + + + + + + + + + + A + + + + + + + + + 45

## **SYSTEMIC LESIONS**

Lymphoma Malignant X 2

\* .. Total animals with tissue examined microscopically; Total animals with tumor  
+ .. Tissue examined microscopically  
x .. Lesion present  
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Lab: BNW

## **SYSTEMIC LESIONS**

## Multiple Organ

## Lymphoma Malignant

**males**  
**(cont...)**

\* .. Total animals with tissue examined microscopically; Total animals with tumor  
+ .. Tissue examined microscopically  
x .. Lesion present  
| .. Insufficient tissue

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## P04: NEOPLASMS BY INDIVIDUAL ANIMAL

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## **ALIMENTARY SYSTEM**

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

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#### A .. Autolysis precludes evaluation

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<http://www.w3.org/Style/URI>

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Lab: BNW

B6C3F1 MICE MALE 30 PPM	ANIMAL ID	DAY ON TEST																								* TOTALS		
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
		6	7	6	7	7	7	6	7	7	7	7	4	7	6	7	7	6	6	5	7	7	7	5				
		4	0	9	3	2	2	1	3	3	1	3	3	5	2	6	3	2	0	6	8	3	3	9				
		2	5	0	0	9	9	1	0	0	0	4	9	8	0	9	2	3	2	0	0	1	2	0				
Hepatocellular Carcinoma		X	X		X		X		X		X		X		X		X		X		X		X		X	14		
Hepatocellular Carcinoma, Multiple					X				X		X		X														3	
Hepatocholangiocarcinoma, Multiple																												1
Plasma Cell Tumor Malignant, Metastatic, Uncertain Primary Site																												1
Mesentery																												4
Pancreas		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	49		
Plasma Cell Tumor Malignant, Metastatic, Uncertain Primary Site																												1
Salivary Glands		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50		
Stomach, Forestomach		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	48		
Stomach, Glandular		+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	A	+	+	+	+	+	47		
Tooth																												6

## CARDIOVASCULAR SYSTEM

Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
-------	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	----

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

+ .. Tissue examined microscopically

x .. Lesion present

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# **ENDOCRINE SYSTEM**

Adrenal Cortex Capsule, Carcinoma	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	49	
																									1	
Adrenal Medulla Pheochromocytoma Benign	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	49
																									1	
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	48	
Parathyroid Gland	+	M	M	+	M	+	+	M	+	+	M	M	+	+	+	M	M	M	A	+	+	M	+	+	28	
Pituitary Gland Pars Distalis, Adenoma	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	49	
																									1	
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	49	

## **GENERAL BODY SYSTEM**

Peritoneum 1  
Plasma Cell Tumor Malignant, 1  
Metastatic, Uncertain Primary Site

GENITAL SYSTEM

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## HEMATOPOIETIC SYSTEM

\* .. Total animals with tissue examined microscopically; Total animals with tumor  
+ .. Tissue examined microscopically  
x .. Lesion present  
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Lab: BNW

, Uncertain Primary Site

Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	49
<hr/>																							
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	48

## SPECIAL SENSES SYSTEM

## **URINARY SYSTEM**

Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	49					
Carcinoma, Metastatic, Intestine Small, Jejunum		X																						1					
Renal Tubule, Adenoma																								1					
Transitional Epithelium, Carcinoma																								1					
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	A	+	+	+	+	+	47

\* .. Total animals with tissue examined microscopically; Total animals with tumor  
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## **SYSTEMIC LESIONS**

## Multiple Organ

### Lymphoma Malignant

X 1

1

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## **HEMATOPOIETIC SYSTEM**

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

### M .. Missing tissue

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| Insufficient tissue



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Lab: BNW

## **RESPIRATORY SYSTEM**

## **SPECIAL SENSES SYSTEM**

Eye	+	+	+	+	+	+	+	+	+	+	+	A	+	A	+	+	+	+	A	+	+	+	+	+
<hr/>																								
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Adenoma																			X					X

\* .. 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

| .. Insufficient tissue

[www.westminstermethodology.com](http://www.westministermethodology.com)

TDMS No. 93025 - 06

**Test Type: CHRONIC**

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** MICE/B6C3F1

#### P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Tetralin

CAS Number: 119-64-2

**Date Report Requested:** 05/22/2008

**Time Report Requested:** 06:34:08

**First Dose M/F:** 06/23/03 / 06/23/03

## Lab: BNW

## **URINARY SYSTEM**

## **SYSTEMIC LESIONS**

\* .. Total animals with tissue examined microscopically; Total animals with tumor  
+ .. Tissue examined microscopically  
x .. Lesion present  
| .. Insufficient tissue

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

## **ALIMENTARY SYSTEM**

\* .. 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

| Insufficient tissue

[www.westgreenwood.com](http://www.westgreenwood.com)

TDMS No. 93025 - 06

**Test Type:** CHRONIC

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** MICE/B6C3F1

#### P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Tetralin

CAS Number: 119-64-2

**Date Report Requested:** 05/22/2008

**Time Report Requested:** 06:34:08

**First Dose M/F:** 06/23/03 / 06/23/03

Lab: BNW

Lymphoma Malignant

Mesentery + + + + 1

Lymphoma Malignant

Stomach, Glandular + + + + + + + + + + + + + + A + + + + + + 4

Lymphoma Malignant

Tooth + + + + + +

## CARDIOVASCULAR SYSTEM

Lymphoma Malignant

## **ENDOCRINE SYSTEM**

Adrenal Cortex

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

+ .. Tissue examined microscopically

.. Lesion present

.. Lesion present  
 Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

ANK .. Not examined microscopically

TDMS No. 93025 - 06

**Test Type:** CHRONIC

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** MICE/B6C3F1

#### P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Tetralin

CAS Number: 119-64-2

**Date Report Requested:** 05/22/2008

**Time Report Requested:** 06:34:08

**First Dose M/F:** 06/23/03 / 06/23/03

Lab: BNW

Adenoma X 1  
Lymphoma Malignant 1

Parathyroid Gland

<sup>14</sup> See, e.g., *U.S. v. Babbitt*, 100 F.3d 1250, 1254 (10th Cir. 1996) (“[T]he [Bald Eagle] Act does not prohibit the killing of bald eagles.”).

## **GENERAL BODY SYSTEM**

NONE

## **GENITAL SYSTEM**

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

† .. Tissue examined microscopically

.. Lesion present

.. Lesion present  
 Insufficient tissue

### M .. Missing tissue

A .. Autolysis precludes evaluation

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

TDMS No. 93025 - 06

**Test Type:** CHRONIC

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** MICE/B6C3F1

#### P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Tetralin

CAS Number: 119-64-2

**Date Report Requested:** 05/22/2008

**Time Report Requested:** 06:34:08

**First Dose M/F:** 06/23/03 / 06/23/03

Lab: BNW

## **HEMATOPOIETIC SYSTEM**

\* .. Total animals with tissue examined microscopically; Total animals with tumor  
+ .. Tissue examined microscopically  
x .. Lesion present  
| .. Insufficient tissue

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

TDMS No. 93025 - 06

**Test Type:** CHRONIC

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** MICE/B6C3F1

## P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Tetralin

CAS Number: 119-64-2

**Date Report Requested:** 05/22/2008

Time Report Requested: 06:34:08

**First Dose M/F:** 06/23/03 / 06/23/03

## Lab: BNW

Plasma Cell Tumor Malignant X

Lymphoma Malignant X

Lymphoma Malignant

## INTEGUMENTARY SYSTEM

Subcutaneous Tissue,  
Hemangiosarcoma

## MUSCULOSKELETAL SYSTEM

## **NERVOUS SYSTEM**

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

+ .. Tissue examined microscopically

x ... Lesion present

Insufficient tissue

### M .. Missing tissue

A .. Autolysis precludes evaluation

**BLANK** - Not examined microscopically

TDMS No. 93025 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

## P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Tetralin

CAS Number: 119-64-2

Date Report Requested: 05/22/2008

Time Report Requested: 06:34:08

First Dose M/F: 06/23/03 / 06/23/03

Lab: BNW

	0 0
DAY ON TEST	7 7 7 7 5 7 7 7 7 7 7 7 7 7 7 7 5 7 7 7 6 7 7 7 7 7 7 7 7 7 7 7
	2 3 3 2 9 3 2 3 3 3 3 3 2 2 2 2 3 2 2 0 9 3 2 0 9 3 2 3 2 0 9 3 2 3
	9 1 1 9 3 1 9 0 0 0 1 9 9 9 9 0 1 9 1 9 7 4 0 9 0 9 0 9 0 9 0 9 0
<b>B6C3F1 MICE MALE</b>	
<b>60 PPM</b>	
ANIMAL ID	0 0
	0 0
	4 4
	2 2 2 2 3 3 3 3 3 3 3 3 3 3 3 3 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 5
	6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0
	<b>* TOTALS</b>

**RESPIRATORY SYSTEM**

Larynx	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50		
Alveolar/Bronchiolar Adenoma											X				X	X											6	
Alveolar/Bronchiolar Carcinoma												X		X	X												11	
Alveolar/Bronchiolar Carcinoma, Multiple													X															1
Hemangiosarcoma																												1
Hepatocellular Carcinoma, Metastatic, Liver							X																					5
Lymphoma Malignant																												2
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Lymphoma Malignant																												2
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	

**SPECIAL SENSES SYSTEM**

Eye	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	47
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Adenoma											X			X													4

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

+ .. Tissue examined microscopically

x .. Lesion present

l .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

TDMS No. 93025 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

## P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Tetralin

CAS Number: 119-64-2

Date Report Requested: 05/22/2008

Time Report Requested: 06:34:08

First Dose M/F: 06/23/03 / 06/23/03

Lab: BNW

	DAY ON TEST	0 0																								
		7 7 7 7 5 7 7 7 7 7 7 7 7 7 7 7 7 5 7 7 7 7 6 7 7 7																								
		2 3 3 2 9 3 2 3 3 3 3 3 2 2 2 2 3 2 2 3 2 0 9 3 2 3																								
		9 1 1 9 3 1 9 0 0 0 1 9 9 9 9 0 1 9 1 9 7 4 0 9 0																								
<hr/>																										
<b>B6C3F1 MICE MALE</b>	ANIMAL ID	0 0																								
<b>60 PPM</b>		0 0																								
		4 4																								
		2 2 2 2 3 3 3 3 3 3 3 3 3 3 3 3 4 4 4 4 4 4 4 4 4 4 4 4 4 4 5																								
		6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0																								
		<b>* TOTALS</b>																								

**URINARY SYSTEM**

Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Lymphoma Malignant																										2
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Lymphoma Malignant																										2

**SYSTEMIC LESIONS**

Multiple Organ	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Lymphoma Malignant																										4

\* .. Total animals with tissue examined microscopically; Total animals with tumor  
+ .. Tissue examined microscopically  
x .. Lesion present  
| .. Insufficient tissue

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

## P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Tetralin

CAS Number: 119-64-2

		DAY ON TEST																								
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		6	5	7	7	7	7	7	7	7	7	5	7	7	7	7	7	7	7	7	7	7	7	7	7	7
		8	8	3	2	2	2	3	2	2	2	3	9	2	2	3	3	2	2	3	2	3	3	1	2	3
		7	6	0	9	9	9	9	1	9	9	9	0	1	9	9	0	1	9	9	0	1	2	9	1	
<b>B6C3F1 MICE MALE</b>		ANIMAL ID																				males (cont...)				
<b>120 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	
		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	6	6	6	6	6	6	6	6	6	6	6	6	
		0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	
		1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	

## **ALIMENTARY SYSTEM**

\* .. 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

x .. Lesion present  
| .. Insufficient tissue

BEANK :: Not examined microscopically

TDMS No. 93025 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

## P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Tetralin

CAS Number: 119-64-2

Date Report Requested: 05/22/2008

Time Report Requested: 06:34:08

First Dose M/F: 06/23/03 / 06/23/03

Lab: BNW

B6C3F1 MICE MALE 120 PPM	ANIMAL ID	DAY ON TEST																								males (cont...)	
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
		6	5	7	7	7	7	7	7	7	5	7	7	7	7	7	7	7	7	7	7	7	7	7	7		
		8	8	3	2	2	2	3	2	2	2	3	9	2	2	3	3	2	2	3	2	3	3	1	2	3	
		7	6	0	9	9	9	1	9	9	0	1	9	9	0	1	9	9	0	1	9	9	0	1	2	9	
Hemangiosarcoma																										X	
Hepatocellular Adenoma		X			X		X		X		X	X	X										X	X			
Hepatocellular Adenoma, Multiple					X			X		X		X		X		X		X		X		X		X	X		
Hepatocellular Carcinoma		X	X							X	X	X		X		X		X		X		X		X	X		
Hepatocellular Carcinoma, Multiple																											
Lymphoma Malignant																										X	
Mesentery																											+
Oral Mucosa																											+
Pancreas		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Salivary Glands		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Stomach, Forestomach		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Lymphoma Malignant																											X
Squamous Cell Papilloma																											
Stomach, Glandular		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	
Lymphoma Malignant																											+
Tooth																											+

\* .. 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



TDMS No. 93025 - 06

**Test Type:** CHRONIC

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** MICE/B6C3F1

#### P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Tetralin

**CAS Number:** 119-64-2

**Date Report Requested:** 05/22/2008

**Time Report Requested:** 06:34:08

**First Dose M/F:** 06/23/03 / 06/23/03

Lab: BNW

## **GENERAL BODY SYSTEM**

NONE

## **GENITAL SYSTEM**

## **HEMATOPOIETIC SYSTEM**

\* .. 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

X .. Essien present  
| .. Insufficient tissue

BEAK: Not examined microscopically

TDMS No. 93025 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

## P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Tetralin

CAS Number: 119-64-2

Date Report Requested: 05/22/2008

Time Report Requested: 06:34:08

First Dose M/F: 06/23/03 / 06/23/03

Lab: BNW

B6C3F1 MICE MALE 120 PPM	ANIMAL ID	Day on Test																								males (cont...)
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		6	5	7	7	7	7	7	7	7	5	7	7	7	7	7	7	7	7	7	7	7	7	7	7	
		8	8	3	2	2	2	3	2	2	2	3	9	2	2	3	3	2	2	3	2	3	3	1	2	3
		7	6	0	9	9	9	1	9	9	0	1	9	9	0	1	9	9	0	9	0	1	2	9	1	
Lymph Node, Mandibular		+	M	+	M	+	M	M	+	+	+	M	+	M	M	+	M	+	+	M	+	M	M	M	M	+
Lymphoma Malignant																					X					
Sarcoma, Metastatic, Uncertain Primary Site																										
Lymph Node, Mediastinal		M	+	+	M	M	+	M	M	+	+	+	+	+	+	+	+	+	+	M	+	M	M	M	+	M
Lymphoma Malignant																					X					
Lymph Node, Mesenteric		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+
Lymphoma Malignant																					X					
Spleen		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hemangiosarcoma																					X					
Lymphoma Malignant																										
Thymus		+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	M	+	M	
Lymphoma Malignant																					X					

## INTEGUMENTARY SYSTEM

Mammary Gland	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Subcutaneous Tissue, Hemangiosarcoma																										

\* .. 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

TDMS No. 93025 - 06

**Test Type:** CHRONIC

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** MICE/B6C3F1

## P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Tetralin

CAS Number: 119-64-2

**Date Report Requested:** 05/22/2008

**Time Report Requested:** 06:34:08

**First Dose M/F:** 06/23/03 / 06/23/03

Lab: BNW

		DAY ON TEST																				
		ANIMAL ID																				
<b>B6C3F1 MICE MALE</b>		<b>120 PPM</b>																				<b>males (cont...)</b>
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
6	5	7	7	7	7	7	7	7	7	7	5	7	7	7	7	7	7	7	7	7		
8	8	3	2	2	2	3	2	2	2	3	9	2	2	3	3	2	2	3	2	3		
7	7	6	0	9	9	9	1	9	9	9	0	1	9	9	0	1	9	9	0	1		
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
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	1	1	1	1	1	1	1	1	2	2	2		
1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1		

## MUSCULOSKELETAL SYSTEM

## **NERVOUS SYSTEM**

## **RESPIRATORY SYSTEM**

Alveolar/Bronchiolar Adenoma X X X X

Alveolar/Bronchiolar Carcinoma X X X X X

## Alveolar/Bronchiolar Carcinoma, Multiple

Hemangiosarcoma X

Hepatocellular Carcinoma, Metastatic,  
Liver X X X

Lymphoma Malignant  X

Sarcoma, Metastatic, Uncertain Primary

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

† ... Tissue examined microscopically

x Lesion present

| Insufficient tissue

### M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK Not examined microscopically



TDMS No. 93025 - 06

**Test Type: CHRONIC**

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** MICE/B6C3F1

## P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Tetralin

CAS Number: 119-64-2

**Date Report Requested:** 05/22/2008

**Time Report Requested:** 06:34:08

**First Dose M/F:** 06/23/03 / 06/23/03

## Lab: BNW

## Urinary Bladder

## Lymphoma Malignant

X

**males  
(cont...)**

## **SYSTEMIC LESIONS**

## Multiple Organ

#### Lymphoma Malignant

X

- \* .. Total animals with tissue examined microscopically; Total animals with tumor
- + .. Tissue examined microscopically
- x .. Lesion present
- | .. Insufficient tissue

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

TDMS No. 93025 - 06

**Test Type: CHRONIC**

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** MICE/B6C3F1

## P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Tetralin

CAS Number: 119-64-2

**Date Report Requested:** 05/22/2008

**Time Report Requested:** 06:34:08

**First Dose M/F:** 06/23/03 / 06/23/03

## Lab: BNW

## **ALIMENTARY SYSTEM**

\* .. 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

| Insufficient tissue

TDMS No. 93025 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

## P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Tetralin

CAS Number: 119-64-2

Date Report Requested: 05/22/2008

Time Report Requested: 06:34:08

First Dose M/F: 06/23/03 / 06/23/03

Lab: BNW

B6C3F1 MICE MALE 120 PPM	ANIMAL ID	DAY ON TEST																								* TOTALS
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		7	7	4	7	7	5	7	7	7	4	4	7	7	7	7	4	6	7	7	7	5	7	7	7	
		3	3	9	2	3	9	0	0	2	3	9	7	3	2	3	3	4	4	4	0	3	2	6	3	2
		1	1	6	9	0	0	2	5	4	9	0	8	8	0	9	0	0	4	9	5	1	9	3	1	9
Hemangiosarcoma																										1
Hepatocellular Adenoma		X		X		X	X		X	X															14	
Hepatocellular Adenoma, Multiple		X			X		X																X		13	
Hepatocellular Carcinoma			X			X																				13
Hepatocellular Carcinoma, Multiple				X			X																X		1	
Lymphoma Malignant																										1
Mesentery																										2
Oral Mucosa																										1
Pancreas		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Salivary Glands		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Stomach, Forestomach		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Lymphoma Malignant																										1
Squamous Cell Papilloma				X																						1
Stomach, Glandular		+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
Lymphoma Malignant																										1
Tooth																										1

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

+ .. Tissue examined microscopically

x .. Lesion present

| .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

TDMS No. 93025 - 06

**Test Type:** CHRONIC

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** MICE/B6C3F1

## P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Tetralin

CAS Number: 119-64-2

**Date Report Requested:** 05/22/2008

**Time Report Requested:** 06:34:08

**First Dose M/F:** 06/23/03 / 06/23/03

## Lab: BNW

## CARDIOVASCULAR SYSTEM

Blood Vessel		1
Heart	+	50
Lymphoma Malignant	+	1

## **ENDOCRINE SYSTEM**

\* .. 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

.. Lesion present  
 Insufficient tissue

BEANK .. Not examined microscopically

TDMS No. 93025 - 06

**Test Type:** CHRONIC

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** MICE/B6C3F1

#### P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Tetralin

CAS Number: 119-64-2

**Date Report Requested:** 05/22/2008

**Time Report Requested:** 06:34:08

**First Dose M/F:** 06/23/03 / 06/23/03

## Lab: BNW

## **GENERAL BODY SYSTEM**

NONE

## **GENITAL SYSTEM**

## **HEMATOPOIETIC SYSTEM**

\* .. 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

x .. Lesion present  
| Insufficient tissue

**BEANK** ... Not examined microscopically

TDMS No. 93025 - 06

**Test Type:** CHRONIC

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** MICE/B6C3F1

## P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Tetralin

CAS Number: 119-64-2

**Date Report Requested:** 05/22/2008

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**First Dose M/F:** 06/23/03 / 06/23/03

## Lab: BNW

## **INTEGUMENTARY SYSTEM**

\* .. 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

x .. Lesion present  
| Insufficient tissue



TDMS No. 93025 - 06

**Test Type:** CHRONIC

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** MICE/B6C3F1

## P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Tetralin

CAS Number: 119-64-2

**Date Report Requested:** 05/22/2008

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**First Dose M/F:** 06/23/03 / 06/23/03

## Lab: BNW

Lymphoma Malignant 1

Sarcoma, Metastatic, Uncertain Primary Site X 1

## SPECIAL SENSES SYSTEM

Sarcoma, Metastatic, Uncertain Primary Site X 1

Adenoma X 1

Carcinoma X 1

Sarcoma, Metastatic, Uncertain Primary Site X 1

## **URINARY SYSTEM**

Lymphoma Malignant 1

\* Total animals with tissue examined microscopically: Total animals with tumor

M Missing tissue

+ Tissue examined microscopically

A Autolysis precludes evaluation

- + .. Tissue examined
- x Lesion present

**BLANK** Not examined microscopically.

x .. Lesion present  
| Insufficient tissue

TDMS No. 93025 - 06

**Test Type: CHRONIC**

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** MICE/B6C3F1

## P04: NEOPLASMS BY INDIVIDUAL ANIMAL

## Tetralin

CAS Number: 119-64-2

**Date Report Requested:** 05/22/2008

**Time Report Requested:** 06:34:08

**First Dose M/F:** 06/23/03 / 06/23/03

## Lab: BNW

## **SYSTEMIC LESIONS**

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

\* .. Total animals with tissue examined microscopically; Total animals with tumor  
+ .. Tissue examined microscopically  
x .. Lesion present  
| .. Insufficient tissue

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



TDMS No. 93025 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

## P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Tetralin

CAS Number: 119-64-2

Date Report Requested: 05/22/2008

Time Report Requested: 06:34:08

First Dose M/F: 06/23/03 / 06/23/03

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	0	0	0	
B6C3F1 MICE FEMALE	3	4	7	7	6	7	7	7	7	5	5	7	7	7	5	3	5	7	7	7	6	1	7	5		
CONTROL	6	3	3	3	3	7	3	3	3	3	4	1	3	3	3	1	9	1	3	3	3	6	2	3	2	
	7	2	2	2	3	7	2	3	2	1	3	9	9	1	2	2	4	4	5	3	2	3	6	4	3	
<b>ANIMAL ID</b>		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	
	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Hemangiosarcoma			X	X																						
Hepatocellular Adenoma																										
Hepatocellular Adenoma, Multiple																										
Hepatocellular Carcinoma			X			X																				
Hepatocellular Carcinoma, Multiple						X																				
Histiocytic Sarcoma																										
Lymphoma Malignant																										X
Osteosarcoma, Metastatic, Uncertain Primary Site						X																				
Mesentery	+																									
Hemangiosarcoma		X																								
Lymphoma Malignant																										
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Lymphoma Malignant																										
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Lymphoma Malignant																										
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Lymphoma Malignant																										
Squamous Cell Papilloma																										

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

+ .. Tissue examined microscopically

x .. Lesion present

| .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically









TDMS No. 93025 - 06

**Test Type:** CHRONIC

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** MICE/B6C3F1

## P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Tetralin

CAS Number: 119-64-2

**Date Report Requested:** 05/22/2008

**Time Report Requested:** 06:34:08

**First Dose M/F:** 06/23/03 / 06/23/03

Lab: BNW

## Mast Cell Tumor Malignant, Metastatic Uncertain Primary Site

## Thymus

## Histiocytic Sarcoma

## Lymphoma Malignant

X

## INTEGUMENTARY SYSTEM

## Mammary Gland

### Carcinoma

Skin

## Sebaceous Gland, Adenoma

## Subcutaneous Tissue, Histiocytic Sarcoma

## Subcutaneous Tissue, Sarcoma

## MUSCULOSKELETAL SYSTEM

Bone

## Hemangiosarcoma

## Skeletal Muscle

†

\* .. 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





TDMS No. 93025 - 06

**Test Type: CHRONIC**

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** MICE/B6C3F1

## P04: NEOPLASMS BY INDIVIDUAL ANIMAL

## Tetralin

CAS Number: 119-64-2

**Date Report Requested:** 05/22/2008

**Time Report Requested:** 06:34:08

**First Dose M/F:** 06/23/03 / 06/23/03

## Lab: BNW

## **SYSTEMIC LESIONS**

## Multiple Organ

## Histiocytic Sarcoma

X

X

## Lymphoma Malignant

- \* .. Total animals with tissue examined microscopically; Total animals with tumor
- + .. Tissue examined microscopically
- x .. Lesion present
- | .. Insufficient tissue

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

TDMS No. 93025 - 06

**Test Type:** CHRONIC

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** MICE/B6C3F1

## P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Tetralin

CAS Number: 119-64-2

**Date Report Requested:** 05/22/2008

Time Report Requested: 06:34:08

**First Dose M/F:** 06/23/03 / 06/23/03

## Lab: BNW

## **ALIMENTARY SYSTEM**

\* .. Total animals with tissue examined microscopically; Total animals with tumor  
+ .. Tissue examined microscopically  
x .. Lesion present  
| .. Insufficient tissue

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

TDMS No. 93025 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

## P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Tetralin

CAS Number: 119-64-2

Date Report Requested: 05/22/2008

Time Report Requested: 06:34:08

First Dose M/F: 06/23/03 / 06/23/03

Lab: BNW

B6C3F1 MICE FEMALE CONTROL	ANIMAL ID	DAY ON TEST																								* TOTALS		
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
		6	7	6	7	7	7	7	7	7	7	7	7	5	7	7	7	5	7	7	6	7	7	6	7			
		7	3	7	3	3	3	3	3	3	3	3	3	3	9	3	3	3	9	0	1	0	3	3	7	7		
		3	2	6	3	3	3	1	3	1	2	3	3	3	2	2	2	2	5	3	7	2	3	4	7	6		
Liver		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50		
Hemangiosarcoma																											2	
Hepatocellular Adenoma					X			X																			10	
Hepatocellular Adenoma, Multiple								X			X																4	
Hepatocellular Carcinoma							X			X			X														5	
Hepatocellular Carcinoma, Multiple																												2
Histiocytic Sarcoma							X			X																	2	
Lymphoma Malignant				X		X		X		X																	8	
Osteosarcoma, Metastatic, Uncertain Primary Site																												1
Mesentery		+	+	+	+									+	+	+												16
Hemangiosarcoma																												1
Lymphoma Malignant						X																						1
Pancreas		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50		
Lymphoma Malignant				X		X								X		X											4	
Salivary Glands		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50		
Lymphoma Malignant					X			X										X									3	
Stomach, Forestomach		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50		
Lymphoma Malignant				X		X																					2	
Squamous Cell Papilloma														X														1

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

+ .. Tissue examined microscopically

x .. Lesion present

| .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

TDMS No. 93025 - 06

**Test Type:** CHRONIC

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** MICE/B6C3F1

## P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Tetralin

CAS Number: 119-64-2

**Date Report Requested:** 05/22/2008

**Time Report Requested:** 06:34:08

**First Dose M/F:** 06/23/03 / 06/23/03

## Lab: BNW

Tooth + 1  
Histiocytic Sarcoma X 1

## CARDIOVASCULAR SYSTEM

Blood Vessel 2

## **ENDOCRINE SYSTEM**

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

† .. Tissue examined microscopically

- + .. Tissue examined
- x Lesion present

Insufficient tissue

### M .. Missing tissue

A .. Autolysis precludes evaluation

**BLANK** Not examined microscopically

TDMS No. 93025 - 06

**Test Type:** CHRONIC

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** MICE/B6C3F1

## P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Tetralin

CAS Number: 119-64-2

**Date Report Requested:** 05/22/2008

**Time Report Requested:** 06:34:08

**First Dose M/F:** 06/23/03 / 06/23/03

## Lab: BNW

## **GENERAL BODY SYSTEM**

NONE

## **GENITAL SYSTEM**

Clitoral Gland	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	46
Ovary	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Cystadenoma		X																		2
Luteoma																				1
Lymphoma Malignant	X		X															X		5
Teratoma Benign																				1
Teratoma Malignant																		X		1

- \* .. Total animals with tissue examined microscopically; Total animals with tumor
- + .. Tissue examined microscopically
- x .. Lesion present
- | .. Insufficient tissue

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

TDMS No. 93025 - 06

**Test Type: CHRONIC**

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** MICE/B6C3F1

## P04: NEOPLASMS BY INDIVIDUAL ANIMAL

## Tetralin

**CAS Number:** 119-64-2

**Date Report Requested:** 05/22/2008

**Time Report Requested:** 06:34:08

**First Dose M/F:** 06/23/03 / 06/23/03

Lab: BNW

## **HEMATOPOIETIC SYSTEM**

Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Hemangiosarcoma																					1	
Histiocytic Sarcoma																				X	1	
Lymphoma Malignant	X		X																		3	
<hr/>																						
Lymph Node	+				+				+						+					+	7	
Iliac, Lymphoma Malignant	X																				1	
Lumbar, Lymphoma Malignant															X						2	
Pancreatic, Lymphoma Malignant															X						1	
Renal, Lymphoma Malignant															X					X	3	
<hr/>																						
Lymph Node, Bronchial	M	+	+	+	+	+	M	+	+	+	+	+	+	M	M	+	+	+	+	+	M	33

\* .. 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

| Insufficient tissue

\* .. 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

X .. Lesion present  
| .. Insufficient tissue







TDMS No. 93025 - 06

**Test Type: CHRONIC**

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** MICE/B6C3F1

## P04: NEOPLASMS BY INDIVIDUAL ANIMAL

## Tetralin

**CAS Number:** 119-64-2

**Date Report Requested:** 05/22/2008

**Time Report Requested:** 06:34:08

**First Dose M/F:** 06/23/03 / 06/23/03

Lab: BNW

## **SYSTEMIC LESIONS**

## Multiple Organ

## Histiocytic Sarcoma

**X** **X** **2**

## Lymphoma Malignant

X X X X X X X X X X X 12

- \* .. Total animals with tissue examined microscopically; Total animals with tumor
- + .. Tissue examined microscopically
- x .. Lesion present
- | .. Insufficient tissue

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

















TDMS No. 93025 - 06

**Test Type: CHRONIC**

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** MICE/B6C3F1

## P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Tetralin

CAS Number: 119-64-2

**Date Report Requested:** 05/22/2008

**Time Report Requested:** 06:34:08

**First Dose M/F:** 06/23/03 / 06/23/03

## Lab: BNW

## Multiple Organ

## Histiocytic Sarcoma

X X X X

## Lymphoma Malignant

## Lymphoma Malignant

X X

X >

## females (cont...)

- \* .. Total animals with tissue examined microscopically; Total animals with tumor
- + .. Tissue examined microscopically
- x .. Lesion present
- | .. Insufficient tissue

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

TDMS No. 93025 - 06

**Test Type:** CHRONIC

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** MICE/B6C3F1

## P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Tetralin

CAS Number: 119-64-2

**Date Report Requested:** 05/22/2008

Time Report Requested: 06:34:08

**First Dose M/F:** 06/23/03 / 06/23/03

## Lab: BNW

## **ALIMENTARY SYSTEM**

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

### M .. Missing tissue

+ .. Tissue examined microscopically

A .. Autolysis precludes evaluation

x .. Lesion present

**ANK** .. Not examined microscopically

.. Lesion present  
 Insufficient tissue

**ANK .. Not examined microscopically**

TDMS No. 93025 - 06

**Test Type:** CHRONIC

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** MICE/B6C3F1

#### P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Tetralin

CAS Number: 119-64-2

**Date Report Requested:** 05/22/2008

**Time Report Requested:** 06:34:08

**First Dose M/F:** 06/23/03 / 06/23/03

Lab: BNW

## CARDIOVASCULAR SYSTEM

Blood Vessel 1  
.....

\* .. 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

x .. Lesion present  
| Insufficient tissue

[www.orientalmedicine.org](http://www.orientalmedicine.org)

TDMS No. 93025 - 06

**Test Type:** CHRONIC

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** MICE/B6C3F1

## P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Tetralin

CAS Number: 119-64-2

**Date Report Requested:** 05/22/2008

**Time Report Requested:** 06:34:08

**First Dose M/F:** 06/23/03 / 06/23/03

## 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	0	0	0	0	0	0	0	0	0	
	7	7	6	7	7	7	7	2	7	6	7	7	7	7	7	7	6	7	7	7	7	7	7	7	7	7	7	7	7	7	
	3	3	9	3	3	3	3	9	3	4	3	3	3	3	3	3	7	3	3	3	3	3	3	2	3	3	3	3	3	3	
	3	2	0	2	3	2	3	8	3	5	2	1	3	1	1	2	4	1	3	1	1	1	3	1	1	3	1	2	2		
	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....		
<b>B6C3F1 MICE FEMALE</b>		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
<b>30 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	0	0	0	0	0	
		3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	
		2	2	2	2	3	3	3	3	3	3	3	3	3	3	3	4	4	4	4	4	4	4	4	4	4	4	4	4	4	5
		6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	.....	* TOTALS	.....		

## Lymphoma Malignant

2

# **ENDOCRINE SYSTEM**

\* .. 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

.. Lesion present  
 Insufficient tissue

TDMS No. 93025 - 06

**Test Type:** CHRONIC

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** MICE/B6C3F1

## P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Tetralin

CAS Number: 119-64-2

**Date Report Requested:** 05/22/2008

**Time Report Requested:** 06:34:08

**First Dose M/F:** 06/23/03 / 06/23/03

## Lab: BNW

## **GENERAL BODY SYSTEM**

Peritoneum + 1  
Lymphoma Malignant X 1

## **GENITAL SYSTEM**

## HEMATOPOIETIC SYSTEM

- \* .. Total animals with tissue examined microscopically; Total animals with tumor
- + .. Tissue examined microscopically
- x .. Lesion present
- | .. Insufficient tissue

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



TDMS No. 93025 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

## P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Tetralin

CAS Number: 119-64-2

Date Report Requested: 05/22/2008

Time Report Requested: 06:34:08

First Dose M/F: 06/23/03 / 06/23/03

Lab: BNW

		DAY ON TEST																										
		ANIMAL ID																								* TOTALS		
<b>B6C3F1 MICE FEMALE</b>		<b>30 PPM</b>																										
Lymphoma Malignant		X																										10
Spleen		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		50	
Histiocytic Sarcoma																												1
Lymphoma Malignant		X																										11
Thymus		+	+	+	+	+	+	+	+	I	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		49	
Histiocytic Sarcoma																												1
Lymphoma Malignant																												7

**INTEGUMENTARY SYSTEM**

Mammary Gland	+	I	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49		
Carcinoma																												2
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50		
Subcutaneous Tissue, Fibrous																												1
Histiocytoma																												
Subcutaneous Tissue, Hemangiosarcoma																												1
Subcutaneous Tissue, Histiocytic																												1
Sarcoma																												1

\* .. 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

TDMS No. 93025 - 06

**Test Type:** CHRONIC

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** MICE/B6C3F1

## P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Tetralin

CAS Number: 119-64-2

**Date Report Requested:** 05/22/2008

**Time Report Requested:** 06:34:08

**First Dose M/F:** 06/23/03 / 06/23/03

## Lab: BNW

## MUSCULOSKELETAL SYSTEM

# NERVOUS SYSTEM

## **RESPIRATORY SYSTEM**

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

† ... Tissue examined microscopically

x ... Lesion present

x .. Lesion present  
| Insufficient tissue

### M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK - Not examined microscopically

TDMS No. 93025 - 06

**Test Type:** CHRONIC

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** MICE/B6C3F1

#### P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Tetralin

CAS Number: 119-64-2

**Date Report Requested:** 05/22/2008

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**First Dose M/F:** 06/23/03 / 06/23/03

## Lab: BNW

Lymphoma Malignant

## SPECIAL SENSES SYSTEM

Eye + + + + + + + + + + + + + + + + + + + A + + + + 49

Adenoma

## **URINARY SYSTEM**

Histiocytic Sarcoma X

Lymphoma Malignant X

Renal Tubule Adenoma X

Lymphoma Malignant X X X

## **SYSTEMIC LESIONS**

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

+ .. Tissue examined microscopically

x ... Lesion present

x .. Lesion present  
| Insufficient tissue

### M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK - Not examined microscopically

TDMS No. 93025 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

## P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Tetralin

CAS Number: 119-64-2

Date Report Requested: 05/22/2008

Time Report Requested: 06:34:08

First Dose M/F: 06/23/03 / 06/23/03

Lab: BNW

B6C3F1 MICE FEMALE 30 PPM	ANIMAL ID	Day On Test																								* TOTALS	
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
		7	7	6	7	7	7	2	7	6	7	7	7	7	7	6	7	7	7	7	7	7	7	7	7		
		3	3	9	3	3	3	3	9	3	4	3	3	3	3	3	7	3	3	3	3	2	3	3	3		
		3	2	0	2	3	2	3	8	3	5	2	1	3	1	1	2	4	1	3	1	1	1	3	1	2	
Multiple Organ		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Histiocytic Sarcoma																	X										1
Lymphoma Malignant																		X									12

\* .. Total animals with tissue examined microscopically; Total animals with tumor  
+ .. Tissue examined microscopically  
x .. Lesion present  
l .. Insufficient tissue

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



\* .. Total animals with tissue examined microscopically; Total animals with tumor  
+ .. Tissue examined microscopically  
x .. Lesion present  
| .. Insufficient tissue

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





\* .. Total animals with tissue examined microscopically; Total animals with tumor  
+ .. Tissue examined microscopically  
x .. Lesion present  
| .. Insufficient tissue

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

TDMS No. 93025 - 06

**Test Type:** CHRONIC

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** MICE/B6C3F1

## P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Tetralin

CAS Number: 119-64-2

**Date Report Requested:** 05/22/2008

**Time Report Requested:** 06:34:08

**First Dose M/F:** 06/23/03 / 06/23/03

## 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
B6C3F1 MICE FEMALE 60 PPM	6	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
	5	3	3	3	3	0	3	3	3	3	3	0	3	0	3	3	3	3	3	3
	3	2	2	2	2	4	1	3	2	3	3	4	1	5	3	3	2	1	1	3
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	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	1	1	1	1	1	1	1	1	2	2	2
	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hemangiosarcoma																				
Histiocytic Sarcoma																				
Lymphoma Malignant					X										X					X
Thymus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+
Histiocytic Sarcoma																				
Lymphoma Malignant					X										X		X			

# **INTEGUMENTARY SYSTEM**

## MUSCULOSKELETAL SYSTEM

\* .. 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

.. Lesion present  
 Insufficient tissue

BEANK :: Not examined microscopically

TDMS No. 93025 - 06

**Test Type: CHRONIC**

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** MICE/B6C3F1

## P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Tetralin

CAS Number: 119-64-2

**Date Report Requested:** 05/22/2008

**Time Report Requested:** 06:34:08

**First Dose M/F:** 06/23/03 / 06/23/03

## Lab: BNW

## **NERVOUS SYSTEM**

# **RESPIRATORY SYSTEM**

## SPECIAL SENSES SYSTEM

\* .. Total animals with tissue examined microscopically; Total animals with tumor  
+ .. Tissue examined microscopically  
x .. Lesion present  
| .. Insufficient tissue

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



TDMS No. 93025 - 06

**Test Type:** CHRONIC

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** MICE/B6C3F1

## P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Tetralin

CAS Number: 119-64-2

**Date Report Requested:** 05/22/2008

**Time Report Requested:** 06:34:08

**First Dose M/F:** 06/23/03 / 06/23/03

## Lab: BNW

## **ALIMENTARY SYSTEM**

\* .. 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

.. Lesion present  
 Insufficient tissue

**BLANK .. Not examined microscopically**

\* .. Total animals with tissue examined microscopically; Total animals with tumor  
+ .. Tissue examined microscopically  
x .. Lesion present  
| .. Insufficient tissue

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

TDMS No. 93025 - 06

**Test Type:** CHRONIC

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** MICE/B6C3F1

## P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Tetralin

CAS Number: 119-64-2

**Date Report Requested:** 05/22/2008

**Time Report Requested:** 06:34:08

**First Dose M/F:** 06/23/03 / 06/23/03

## Lab: BNW

## CARDIOVASCULAR SYSTEM

Blood Vessel	+	1
Heart	+	50
Histiocytic Sarcoma	X	1
Lymphoma Malignant	X	2

## **ENDOCRINE SYSTEM**

Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Adenoma																						1
Hepatocellular Carcinoma, Metastatic, Liver							X															1
Histiocytic Sarcoma																					X	1
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Parathyroid Gland	M	M	+	+	M	M	+	+	+	M	+	+	+	+	M	M	+	+	+	+	M	33
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Pars Distalis, Adenoma								X			X				X							8

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

M Missing tissue

† Tissue examined microscopically

A Autolysis precludes evaluation

- + .. Tissue examined
- x Lesion present

**BLANK** Not examined microscopically

| Insufficient tissue

**BEANK** .. Not examined microscopically



\* .. Total animals with tissue examined microscopically; Total animals with tumor  
+ .. Tissue examined microscopically  
x .. Lesion present  
| .. Insufficient tissue

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

TDMS No. 93025 - 06

**Test Type:** CHRONIC

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** MICE/B6C3F1

## P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Tetralin

CAS Number: 119-64-2

**Date Report Requested:** 05/22/2008

**Time Report Requested:** 06:34:08

**First Dose M/F:** 06/23/03 / 06/23/03

## Lab: BNW

## **INTEGUMENTARY SYSTEM**

Mammary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Subcutaneous Tissue, Hemangiosarcoma																					X		1
Subcutaneous Tissue, Lymphoma Malignant																					X		1

## MUSCULOSKELETAL SYSTEM

\* .. Total animals with tissue examined microscopically; Total animals with tumor  
+ .. Tissue examined microscopically  
x .. Lesion present  
| .. Insufficient tissue

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

TDMS No. 93025 - 06

**Test Type:** CHRONIC

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** MICE/B6C3F1

## P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Tetralin

CAS Number: 119-64-2

**Date Report Requested:** 05/22/2008

Time Report Requested: 06:34:08

**First Dose M/F:** 06/23/03 / 06/23/03

## Lab: BNW

## **NERVOUS SYSTEM**

## **RESPIRATORY SYSTEM**

## SPECIAL SENSES SYSTEM

\* .. Total animals with tissue examined microscopically; Total animals with tumor  
+ .. Tissue examined microscopically  
x .. Lesion present  
| .. Insufficient tissue

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

TDMS No. 93025 - 06

**Test Type:** CHRONIC

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** MICE/B6C3F1

## P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Tetralin

CAS Number: 119-64-2

**Date Report Requested:** 05/22/2008

**Time Report Requested:** 06:34:08

**First Dose M/F:** 06/23/03 / 06/23/03

## Lab: BNW

Adenoma X 1

Carcinoma 1

## **URINARY SYSTEM**

Histiocytic Sarcoma X 1

Lymphoma Malignant X X X

Lymphoma Malignant X X 5

## **SYSTEMIC LESIONS**

Histiocytic Sarcoma X 1

Lymphoma Malignant X X X X X X 10

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

+ .. Tissue examined microscopically

x .. Lesion present

| .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically



TDMS No. 93025 - 06

**Test Type:** CHRONIC

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** MICE/B6C3F1

#### P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Tetralin

CAS Number: 119-64-2

**Date Report Requested:** 05/22/2008

**Time Report Requested:** 06:34:08

**First Dose M/F:** 06/23/03 / 06/23/03

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
B6C3F1 MICE FEMALE	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
120 PPM	3	0	3	3	3	3	3	2	3	3	3	3	3	3	3	8	3	3	3	3
	2	5	2	1	3	3	2	1	2	1	2	1	3	5	3	2	3	3	3	3
	ANIMAL ID																			
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	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	1	1	1	1	1	1	1	1	2	2	2
	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0
																		1	2	3
																		4	5	4
																			5	
Hepatocellular Adenoma	X		X	X	X	X			X			X			X		X	X		
Hepatocellular Adenoma, Multiple				X	X	X			X			X			X					
Hepatocellular Carcinoma						X												X		
Lymphoma Malignant																	X			X
Mesentery							+			+			+			+		+		+
Pancreas							+			+			+			+		+		+
Lymphoma Malignant																				
Salivary Glands							+			+			+			+		+		+
Lymphoma Malignant																				
Stomach, Forestomach							+			+			+			+		+		+
Squamous Cell Papilloma																				
Stomach, Glandular							+			+			+			+		A		+

## CARDIOVASCULAR SYSTEM

\* .. 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

| .. Insufficient tissue

~~DO NOT EXAMINE MICROSCOPICALLY~~







TDMS No. 93025 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

## P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Tetralin

CAS Number: 119-64-2

Date Report Requested: 05/22/2008

Time Report Requested: 06:34:08

First Dose M/F: 06/23/03 / 06/23/03

Lab: BNW

	DAY ON TEST	0 0
		7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 6 7 7 7 7 7 7 7 5 7 7
		3 0 3 3 3 3 3 2 3 3 3 3 3 3 3 3 3 8 3 3 3 3 3 2 3 3 3 3 3 3 3
		2 5 2 1 3 3 2 1 2 1 2 1 2 1 3 5 3 2 3 3 3 3 0 2 3
<b>B6C3F1 MICE FEMALE</b>	<b>ANIMAL ID</b>	0 0
<b>120 PPM</b>		0 0
		7 7
		0 0 0 0 0 0 0 0 0 1 1 1 1 1 1 1 1 1 1 2 2 2 2 2 2 2 2 2 2
		1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5

females  
(cont...)

## INTEGUMENTARY SYSTEM

Mammary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Sebaceous Gland, Adenoma																	X									
Subcutaneous Tissue, Sarcoma																		X								

## MUSCULOSKELETAL SYSTEM

Bone	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Hemangiosarcoma																	X									
Skeletal Muscle																										
Lymphoma Malignant																										

## NERVOUS SYSTEM

Brain	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Carcinoma, Metastatic, Uncertain Primary Site																	X									

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

+ .. Tissue examined microscopically

x .. Lesion present

l .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

TDMS No. 93025 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

## P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Tetralin

CAS Number: 119-64-2

Date Report Requested: 05/22/2008

Time Report Requested: 06:34:08

First Dose M/F: 06/23/03 / 06/23/03

Lab: BNW

	0 0
DAY ON TEST	7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 6 7 7 7 7 7 7 7 5 7 7 7 7
	3 0 3 3 3 3 3 2 3 3 3 3 3 3 3 3 8 3 3 3 3 3 2 3 3 3 3 3 3 3
	2 5 2 1 3 3 2 1 2 1 2 1 2 1 3 5 3 2 3 3 3 3 0 2 3
B6C3F1 MICE FEMALE	.....
ANIMAL ID	0 0
120 PPM	0 0
	7 7
	0 0 0 0 0 0 0 0 0 1 1 1 1 1 1 1 1 1 1 2 2 2 2 2 2 2 2 2 2
	1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5

females  
(cont...)

## RESPIRATORY SYSTEM

Larynx + + + + + + + + + + + + + + A + + + + + + + + + + + + + +

Lung + X

Alveolar/Bronchiolar Adenoma

Alveolar/Bronchiolar Carcinoma

Carcinoma, Metastatic, Uncertain  
Primary Site XHepatocellular Carcinoma, Metastatic,  
Liver X

Lymphoma Malignant X X X

Nose + X

Lymphoma Malignant X

Trachea +

## SPECIAL SENSES SYSTEM

Eye +

Harderian Gland +

Adenoma

\* .. 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



TDMS No. 93025 - 06

**Test Type:** CHRONIC

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** MICE/B6C3F1

#### P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Tetralin

CAS Number: 119-64-2

**Date Report Requested:** 05/22/2008

Time Report Requested: 06:34:08

**First Dose M/F:** 06/23/03 / 06/23/03

## Lab: BNW

## **ALIMENTARY SYSTEM**

\* .. Total animals with tissue examined microscopically; Total animals with tumor  
+ .. Tissue examined microscopically  
x .. Lesion present  
| .. Insufficient tissue

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

TDMS No. 93025 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

## P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Tetralin

CAS Number: 119-64-2

Date Report Requested: 05/22/2008

Time Report Requested: 06:34:08

First Dose M/F: 06/23/03 / 06/23/03

Lab: BNW

B6C3F1 MICE FEMALE 120 PPM	ANIMAL ID	DAY ON TEST																								* TOTALS
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		6	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	
		4	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	
		8	3	3	2	2	1	2	3	2	3	2	3	3	2	2	2	3	3	1	3	2	5	2	1	
Hepatocellular Adenoma		X																								14
Hepatocellular Adenoma, Multiple			X																							8
Hepatocellular Carcinoma																										2
Lymphoma Malignant		X																								5
Mesentery																										10
Pancreas		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Lymphoma Malignant		X																								2
Salivary Glands		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Lymphoma Malignant																										1
Stomach, Forestomach		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Squamous Cell Papilloma																										1
Stomach, Glandular		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49

## CARDIOVASCULAR SYSTEM

Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Hemangiosarcoma																										1
Lymphoma Malignant	X																									2

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

+ .. Tissue examined microscopically

x .. Lesion present

| .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

TDMS No. 93025 - 06

**Test Type:** CHRONIC

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** MICE/B6C3F1

## P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Tetralin

CAS Number: 119-64-2

**Date Report Requested:** 05/22/2008

**Time Report Requested:** 06:34:08

**First Dose M/F:** 06/23/03 / 06/23/03

## Lab: BNW

# **ENDOCRINE SYSTEM**

## **GENERAL BODY SYSTEM**

NONE

\* .. Total animals with tissue examined microscopically; Total animals with tumor  
+ .. Tissue examined microscopically  
x .. Lesion present  
| .. Insufficient tissue

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

TDMS No. 93025 - 06

**Test Type:** CHRONIC

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** MICE/B6C3F1

## P04: NEOPLASMS BY INDIVIDUAL ANIMAL

## Tetralin

CAS Number: 119-64-2

**Date Report Requested:** 05/22/2008

**Time Report Requested:** 06:34:08

**First Dose M/F:** 06/23/03 / 06/23/03

## Lab: BNW

## **GENITAL SYSTEM**

## **HEMATOPOIETIC SYSTEM**

\* .. 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

.. Lesion present  
 Insufficient tissue

BLANK .. Not examined microscopically

TDMS No. 93025 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

## P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Tetralin

CAS Number: 119-64-2

Date Report Requested: 05/22/2008

Time Report Requested: 06:34:08

First Dose M/F: 06/23/03 / 06/23/03

Lab: BNW

B6C3F1 MICE FEMALE 120 PPM	ANIMAL ID	DAY ON TEST																								* TOTALS	
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
		6	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7		
		4	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3		
		8	3	3	2	2	1	2	3	2	3	2	3	3	2	2	2	3	3	1	3	2	5	2	1		
Hemangiosarcoma																									X	2	
Lymphoma Malignant																									X	2	
Lymph Node																									+	+	2
Lymph Node, Bronchial		+	+	M	+	M	+	+	M	+	+	+	+	+	+	M	+	+	+	+	+	M	+	M	M	37	
Lymphoma Malignant		X																									4
Lymph Node, Mandibular		M	+	+	M	+	+	+	+	M	+	+	M	+	+	+	+	+	+	+	M	M	M	M	31		
Lymphoma Malignant		X																									2
Lymph Node, Mediastinal		+	+	+	+	M	+	+	+	M	+	+	M	+	+	+	+	+	+	M	+	M	M	M	35		
Lymphoma Malignant		X																									5
Lymph Node, Mesenteric		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Carcinoma, Metastatic, Uncertain Primary Site																											1
Lymphoma Malignant		X																									10
Spleen		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Hemangiosarcoma																									X		4
Lymphoma Malignant		X				X	X																		X		9
Thymus		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	I	47	
Lymphoma Malignant		X																									2

\* .. 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

TDMS No. 93025 - 06

**Test Type:** CHRONIC

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** MICE/B6C3F1

## P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Tetralin

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## Lab: BNW

## **INTEGUMENTARY SYSTEM**

## MUSCULOSKELETAL SYSTEM

## **NERVOUS SYSTEM**

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

+ .. Tissue examined microscopically

x ... Lesion present

x .. Lesion present  
| Insufficient tissue

### M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK - Not examined microscopically

TDMS No. 93025 - 06

**Test Type:** CHRONIC

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** MICE/B6C3F1

## P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Tetralin

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## Lab: BNW

## **RESPIRATORY SYSTEM**

## **SPECIAL SENSES SYSTEM**

\* .. Total animals with tissue examined microscopically; Total animals with tumor  
+ .. Tissue examined microscopically  
x .. Lesion present  
| .. Insufficient tissue

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

TDMS No. 93025 - 06

**Test Type:** CHRONIC

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** MICE/B6C3F1

#### P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Tetralin

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Lab: BNW

### Lymphoma Malignant

X

1

## **URINARY SYSTEM**

## **SYSTEMIC LESIONS**

Multiple Organ Histiocytic Sarcoma Lymphoma Malignant	+ X X X	50 1 12
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\*\*\* END OF REPORT \*\*\*

\* .. Total animals with tissue examined microscopically; Total animals with tumor  
+ .. Tissue examined microscopically  
x .. Lesion present  
| .. Insufficient tissue

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