

TDMS No. 96011 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

CUMENE

CAS Number: 98-82-8

Pathologist: PIERCE, J. - GRUMBEIN, S.

F1 Mice

Date Report Reqsted: 02/27/2006

Time Report Reqsted: 15:28:27

First Dose M/F: 06/11/01 / 06/11/01

Lab: BNW

C Number: C96011

Lock Date: 12/30/2003

Cage Range: ALL

Date Range: ALL

Reasons For Removal: 25021 TSAC 25020 NATD 25019 MSAC

Removal Date Range: ALL

Treatment Groups: Include ALL

Note: Animals arranged according to days on test.

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

ALIMENTARY SYSTEM

Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Gallbladder	+	A	A	+	+	+	+	+	M	A	+	+	M	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Cecum	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Small, Duodenum	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Small, Ileum	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Small, Jejunum	+	A	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+
Carcinoma																								
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hemangioma																								
Hepatoblastoma																								
Hepatocellular Adenoma	X		X										X		X			X			X			
Hepatocellular Adenoma, Multiple									X	X		X						X	X	X		X		X
Hepatocellular Carcinoma		X		X								X		X				X						

* .. 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

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

Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
-------	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

ENDOCRINE SYSTEM

Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Subcapsular, Adenoma																								
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Parathyroid Gland	M	M	+	+	M	M	+	M	+	+	+	+	+	+	M	+	+	+	+	M	+	+	+	+
Pituitary Gland	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	I
Pars Distalis, Adenoma																								
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

GENERAL BODY SYSTEM

NONE																								
------	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

GENITAL SYSTEM

Epididymis	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
------------	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

* .. 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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Date Report Requested: 02/27/2006

Time Report Requested: 15:28:27

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Lab: BNW

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

males
(cont...)

Preputial Gland

+ M +

Prostate

+ +

Seminal Vesicle

+ +

Testes

+ +

Interstitial Cell, Adenoma

X

HEMATOPOIETIC SYSTEM

Bone Marrow

+ +

Lymph Node, Bronchial

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

Lymph Node, Mandibular

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

Mast Cell Tumor Malignant, Metastatic,
Uncertain Primary Site

X

Lymph Node, Mediastinal

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

Lymph Node, Mesenteric

+ +

Spleen

+ +

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Lab: BNW

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

males
(cont...)

| | |
|---|---|
| Lung | + |
| Alveolar/Bronchiolar Adenoma | | | | X | | X | | | X | | | | | | X | | | | | | | X | | |
| Alveolar/Bronchiolar Adenoma, Multiple | X | | | |
| Alveolar/Bronchiolar Carcinoma | | | | | X | X | | | | | X | | X | | | | | | | | | X | | |
| Carcinoma, Metastatic, Harderian Gland | X | |
| Hepatocellular Carcinoma, Metastatic, Liver | | X | | X | | | | | | | X | X | X | | | | | | | | | | | |
| Nose | + |
| Trachea | + |

SPECIAL SENSES SYSTEM

| |
|-----------------|
| Eye | + | A | + |
| Harderian Gland | + | + | + | M | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Adenoma | | | | | | | | | | | | | | | X | X | X | | | | X | | | |
| Carcinoma | X | | | | | | | | | | | | | | | | X | | X | | | | | |

URINARY SYSTEM

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

* .. 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

| | | | |
|---|-------------|---|---|
| B6C3F1 MICE MALE
CONTROL | DAY ON TEST | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| | | 5 | 8 | 2 | 2 | 3 | 5 | 5 | 6 | 6 | 6 | 8 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| | | 1 | 3 | 2 | 8 | 1 | 9 | 9 | 3 | 7 | 8 | 7 | 0 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| | ANIMAL ID | 0 | 0 |
| | | 0 | 0 |
| | | 0 | 0 |
| | | 0 | 2 | 0 | 4 | 4 | 1 | 2 | 3 | 1 | 4 | 0 | 2 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 3 | 3 | 3 |
| | | 2 | 5 | 7 | 5 | 6 | 6 | 6 | 2 | 0 | 4 | 4 | 8 | 2 | 3 | 4 | 7 | 9 | 0 | 3 | 4 | 7 | 9 | 1 | 3 |
| | | | |
| Hepatocellular Carcinoma, Metastatic, Liver | | X | |
| Mast Cell Tumor Malignant, Metastatic, Uncertain Primary Site | | X | |
| Urinary Bladder | | + | |

SYSTEMIC LESIONS

| |
|--------------------|
| Multiple Organ | + |
| Lymphoma Malignant | |

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+ .. Tissue examined microscopically
x .. Lesion present
I .. Insufficient tissue

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

ALIMENTARY SYSTEM

| | |
|----------------------------------|----|
| Esophagus | + | 50 |
| Gallbladder | + | | + | + | + | + | + | + | + | + | + | + | | + | + | + | + | + | + | + | + | + | + | 43 |
| Intestine Large, Cecum | + | 49 |
| Intestine Large, Colon | + | 50 |
| Intestine Large, Rectum | + | 50 |
| Intestine Small, Duodenum | + | 49 |
| Intestine Small, Ileum | + | 49 |
| Intestine Small, Jejunum | + | 48 |
| Carcinoma | 1 |
| Liver | + | 50 |
| Hemangioma | | | | | | | | | | | | | X | | | | | | | | | | | 1 |
| Hepatoblastoma | 1 |
| Hepatocellular Adenoma | X | | X | | | | | | | X | | X | | X | | X | | X | | X | | X | X | 17 |
| Hepatocellular Adenoma, Multiple | | X | | X | X | | | | | X | | X | | X | | X | X | | | | X | | | 17 |
| Hepatocellular Carcinoma | | | | | X | | | X | | | | | | | | | X | X | | | | X | | 10 |

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

+ .. Tissue examined microscopically

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| | | DAY ON TEST | |
|---------------------------------|--|-----------------------|
| | | 7
2
9 | 7
2
9 | 7
2
9 | 7
2
9 | 7
2
9 | 7
2
9 | 7
3
0 | 7
3
0 | 7
3
0 | 7
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0 | 7
3
0 | 7
3
0 | 7
3
0 | 7
3
0 | 7
3
0 | 7
3
1 |
| B6C3F1 MICE MALE

CONTROL | | ANIMAL ID | |
| | | 0
0
0
3
7 | 0
0
0
3
8 | 0
0
0
4
1 | 0
0
0
4
3 | 0
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0
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7 | 0
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9 | 0
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8 | 0
0
0
4
9 | 0
0
0
1
5 |
| | | |
| | | |
| | | |
| | | * TOTALS | |

Hepatocellular Carcinoma, Multiple

3

Mesentery

+

3

Pancreas

+

+

+

+

+

+

+

+

+

+

+

+

+

+

+

+

+

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50

Salivary Glands

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M

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+

+

49

Stomach, Forestomach

+

+

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+

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+

+

+

+

+

+

+

+

+

+

50

Mast Cell Tumor Malignant, Metastatic,
Uncertain Primary Site

1

Squamous Cell Papilloma

1

Stomach, Glandular

+

+

+

+

+

+

+

+

+

+

+

+

+

+

+

+

+

+

+

+

+

+

+

50

Tongue

+

1

Squamous Cell Carcinoma

X

1

Tooth

+

+

+

+

+

+

+

15

Mast Cell Tumor Malignant, Metastatic,
Uncertain Primary Site

1

CARDIOVASCULAR SYSTEM

Blood Vessel

1

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

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

[illegible]

HEMATOPOIETIC SYSTEM

[illegible]

* .. 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

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

Thymus

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

45

Mast Cell Tumor Malignant, Metastatic,
Uncertain Primary Site

1

INTEGUMENTARY SYSTEM

Mammary Gland

M M

0

Skin

+ +

50

Subcutaneous Tissue, Fibrous
Histiocytoma

X

1

Subcutaneous Tissue, Sarcoma

1

MUSCULOSKELETAL SYSTEM

Bone

+ +

50

NERVOUS SYSTEM

Brain

+ +

50

RESPIRATORY SYSTEM

Larynx

+ +

50

* .. 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

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

| | |
|---|----|
| Lung | + | 50 |
| Alveolar/Bronchiolar Adenoma | | | | | | X | X | | | | | X | | X | | | X | X | | X | | | | | 12 |
| Alveolar/Bronchiolar Adenoma, Multiple | 1 |
| Alveolar/Bronchiolar Carcinoma | | | | | | | | | | | | | | X | X | X | | | | | | X | | | 9 |
| Carcinoma, Metastatic, Harderian Gland | 1 |
| Hepatocellular Carcinoma, Metastatic, Liver | | | | | | | | | | X | | | | | | | | | | | | | X | | 7 |
| Nose | + | 50 |
| Trachea | + | 50 |

SPECIAL SENSES SYSTEM

| | |
|-----------------|----|
| Eye | + | 49 |
| Harderian Gland | + | 48 |
| Adenoma | X | | X | | | | X | | | | | | | | | | | | | | | | | X | 8 |
| Carcinoma | X | | | 4 |

URINARY SYSTEM

| | |
|--------|----|
| Kidney | + | 50 |
|--------|----|

* .. 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

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

Hepatocellular Carcinoma, Metastatic,
Liver

1

Mast Cell Tumor Malignant, Metastatic,
Uncertain Primary Site

1

Urinary Bladder

+ +

50

SYSTEMIC LESIONS

Multiple Organ

+ +

50

Lymphoma Malignant

X

X

2

* .. 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. 96011 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

CUMENE

CAS Number: 98-82-8

Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Requested: 02/27/2006

Time Report Requested: 15:28:27

First Dose M/F: 06/11/01 / 06/11/01

Lab: BNW

| | | |
|-----------------------------|---|-----------------------|
| B6C3F1 MICE MALE
250 PPM | DAY ON TEST | 4
5
3 | 5
0
3 | 5
3
3 | 5
5
1 | 5
9
3 | 6
1
0 | 6
3
2 | 6
5
2 | 6
5
4 | 6
6
2 | 6
7
3 | 6
7
8 | 6
9
1 | 6
9
8 | 7
1
2 | 7
1
5 | 7
2
9 | 7
2
9 | 7
2
9 | 7
2
9 | 7
2
9 | 7
2
9 | 7
2
9 | 7
2
9 | 7
2
9 |
| | <hr style="border-top: 1px dotted black;"/> | |
| | ANIMAL ID | 0
0
4
1
0 | 0
0
4
3
8 | 0
0
4
0
6 | 0
0
4
3
0 | 0
0
4
4
1 | 0
0
4
2
8 | 0
0
4
0
9 | 0
0
4
3
9 | 0
0
4
1
8 | 0
0
4
4
6 | 0
0
4
1
1 | 0
0
4
0
3 | 0
0
4
0
5 | 0
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4
0
1 | 0
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4
0
7 | 0
0
4
3
1 | 0
0
4
0
2 | 0
0
4
1
3 | 0
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4
2
7 | 0
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4
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3 | 0
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4
3
2 | 0
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4
3
6 | 0
0
4
4
0 |
| | | |
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| | | |
| | | |
| | | |
| | | |
| | | |
| males (cont...) | | |

ALIMENTARY SYSTEM

| | |
|--|---|
| Esophagus | + |
| Gallbladder | A | M | I | + | + | + | + | + | + | + | I | A | A | A | + | + | M | M | + | + | M | + | + | + | I |
| Intestine Large, Cecum | + | + | + | + | + | + | + | + | + | + | + | A | A | A | + | + | + | + | + | + | + | + | + | + | + |
| Mast Cell Tumor Malignant, Metastatic,
Uncertain Primary Site | |
| Intestine Large, Colon | + | A | + | + | + | + | + | + | + | + | + | A | A | A | + | + | + | + | + | + | + | + | + | + | + |
| Leiomyoma | |
| Intestine Large, Rectum | + | + | + | + | + | + | + | + | + | + | + | A | A | A | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Small, Duodenum | A | A | I | + | + | + | + | + | + | + | + | A | A | A | + | + | + | + | + | + | + | + | + | + | + |
| Carcinoma | |
| Intestine Small, Ileum | + | A | + | + | + | + | + | + | + | + | + | A | A | A | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Small, Jejunum | + | A | + | + | + | + | + | + | + | + | + | A | A | A | + | + | + | + | + | + | + | + | + | + | + |
| Carcinoma | |
| Liver | + |
| 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. 96011 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

CUMENE

CAS Number: 98-82-8

Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Requested: 02/27/2006

Time Report Requested: 15:28:27

First Dose M/F: 06/11/01 / 06/11/01

Lab: BNW

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

males
(cont...)

Hepatoblastoma

Hepatocellular Adenoma

Hepatocellular Adenoma, Multiple

Hepatocellular Carcinoma

Hepatocellular Carcinoma, Multiple

Mesentery

Mast Cell Tumor Malignant, Metastatic,
Uncertain Primary Site

Pancreas

Salivary Glands

Stomach, Forestomach

Mast Cell Tumor Malignant, Metastatic,
Uncertain Primary Site

Stomach, Glandular

Tooth

Mast Cell Tumor Malignant, Metastatic,
Uncertain Primary Site

CARDIOVASCULAR 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

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

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

ENDOCRINE SYSTEM

| | |
|--|---|
| Adrenal Cortex | + |
| Alveolar/Bronchiolar Carcinoma, Metastatic, Lung | |
| Subcapsular, Adenoma |
| Adrenal Medulla | + |
| Pheochromocytoma Benign |
| Pheochromocytoma Malignant |
| Islets, Pancreatic | + |
| Parathyroid Gland | + | + | + | M | + | M | + | + | + | + | M | M | + | + | M | M | + | + | M | + | + | + | M | M | + |
| Pituitary Gland | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + |
| Thyroid Gland | + |

GENERAL BODY SYSTEM

NONE

* .. 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. 96011 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

CUMENE

CAS Number: 98-82-8

Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Requested: 02/27/2006

Time Report Requested: 15:28:27

First Dose M/F: 06/11/01 / 06/11/01

Lab: BNW

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

males
(cont...)

GENITAL SYSTEM

| |
|-----------------|
| Epididymis | + |
| Preputial Gland | + |
| Prostate | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + |
| Seminal Vesicle | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + |
| Testes | + |

HEMATOPOIETIC SYSTEM

| |
|-------------------------|
| Bone Marrow | + |
| Lymph Node, Bronchial | + | M | + | + | + | + | + | + | + | + | M | M | M | + | M | + | + | + | + | M | + | + | + | + | + |
| Lymph Node, Mandibular | + | + | M | M | M | + | + | + | M | + | M | + | M | + | + | + | M | M | + | M | + | M | + | + | + |
| Lymph Node, Mediastinal | + | M | + | + | + | + | + | + | M | + | M | M | M | + | M | + | + | + | + | + | + | + | + | + | + |
| Lymph Node, Mesenteric | + | + | + | + | + | + | + | + | + | + | I | M | + | + | + | + | M | + | + | + | + | + | + | + | + |
| Spleen | + |

* .. 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

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

Thymus

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

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

Skin

+ +

Hepatocellular Carcinoma, Metastatic, Liver

X

Subcutaneous Tissue, Fibrosarcoma

X

Subcutaneous Tissue, Fibrous Histiocytoma

X

MUSCULOSKELETAL SYSTEM

Bone

+ +

NERVOUS SYSTEM

Brain

+ +

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

TDMS No. 96011 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

CUMENE

CAS Number: 98-82-8

Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Requested: 02/27/2006

Time Report Requested: 15:28:27

First Dose M/F: 06/11/01 / 06/11/01

Lab: BNW

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

males
(cont...)

Larynx + + + + + + A +

Lung +

Alveolar/Bronchiolar Adenoma X

Alveolar/Bronchiolar Adenoma, Multiple X

Alveolar/Bronchiolar Carcinoma X

Alveolar/Bronchiolar Carcinoma, Multiple X

Hepatocellular Carcinoma, Metastatic, Liver X

Nose +

Trachea +

SPECIAL SENSES SYSTEM

Eye +

Harderian Gland +

Adenoma X

Carcinoma X

URINARY SYSTEM

Kidney +

* .. 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

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

Hepatocellular Carcinoma, Metastatic,
Liver

Mast Cell Tumor Malignant, Metastatic,
Uncertain Primary Site

X

Urinary Bladder

+ + + + I + + + + + + + A + + + + + + + + + + + + +

SYSTEMIC LESIONS

Multiple Organ
Histiocytic Sarcoma
Lymphoma Malignant

+
X

* .. 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. 96011 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

CUMENE

CAS Number: 98-82-8

Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Requested: 02/27/2006

Time Report Requested: 15:28:27

First Dose M/F: 06/11/01 / 06/11/01

Lab: BNW

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

| | |
|----------------|---|
| Hepatoblastoma | 1 |
|----------------|---|

| | |
|------------------------|----|
| Hepatocellular Adenoma | 13 |
|------------------------|----|

| | |
|----------------------------------|----|
| Hepatocellular Adenoma, Multiple | 20 |
|----------------------------------|----|

| | |
|--------------------------|----|
| Hepatocellular Carcinoma | 17 |
|--------------------------|----|

| | |
|------------------------------------|---|
| Hepatocellular Carcinoma, Multiple | 1 |
|------------------------------------|---|

| | |
|-----------|---|
| Mesentery | 7 |
|-----------|---|

| | |
|--|---|
| Mast Cell Tumor Malignant, Metastatic,
Uncertain Primary Site | 1 |
|--|---|

| | |
|----------|----|
| Pancreas | 50 |
|----------|----|

| | |
|-----------------|----|
| Salivary Glands | 50 |
|-----------------|----|

| | |
|----------------------|----|
| Stomach, Forestomach | 50 |
|----------------------|----|

| | |
|--|---|
| Mast Cell Tumor Malignant, Metastatic,
Uncertain Primary Site | 1 |
|--|---|

| | |
|--------------------|----|
| Stomach, Glandular | 48 |
|--------------------|----|

| | |
|-------|---|
| Tooth | 8 |
|-------|---|

| | |
|--|---|
| Mast Cell Tumor Malignant, Metastatic,
Uncertain Primary Site | 1 |
|--|---|

CARDIOVASCULAR 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

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

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

ENDOCRINE SYSTEM

| | |
|---|----|
| Adrenal Cortex | + | 50 |
| Alveolar/Bronchiolar Carcinoma,
Metastatic, Lung | | 1 |
| Subcapsular, Adenoma | 1 |
| Adrenal Medulla | + | 50 |
| Pheochromocytoma Benign | X | | 1 |
| Pheochromocytoma Malignant | X | | 1 |
| Islets, Pancreatic | + | 50 |
| Parathyroid Gland | + | M | M | + | M | M | + | M | M | + | M | + | M | + | M | + | M | M | + | M | M | + | M | M | M | 25 |
| Pituitary Gland | + | 49 |
| Thyroid Gland | + | 50 |

GENERAL BODY SYSTEM

NONE

* .. 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. 96011 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

CUMENE

CAS Number: 98-82-8

Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Requested: 02/27/2006

Time Report Requested: 15:28:27

First Dose M/F: 06/11/01 / 06/11/01

Lab: BNW

| | DAY ON TEST | 7 | 7 |
|---|-------------|----------|----|
| | | 2 | 2 | 2 | 3 |
| | | 9 | 9 | 9 | 0 |
| | | 9 | 9 | 9 | 0 |
| B6C3F1 MICE MALE | ANIMAL ID | 0 | 0 |
| | | 0 | 0 |
| 250 PPM | | 4 | 4 |
| | | 4 | 4 | 4 | 0 | 0 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 4 | 4 | 4 | 5 | 3 | 4 |
| | | 3 | 7 | 8 | 4 | 8 | 2 | 4 | 5 | 6 | 9 | 1 | 4 | 5 | 6 | 7 | 9 | 3 | 4 | 5 | 2 | 4 | 9 | 0 | 7 |
| | | * TOTALS | |
| Larynx | | + | + | 49 |
| Lung | | + | + | 50 |
| Alveolar/Bronchiolar Adenoma | | X | | X | | | X | X | | | | X | X | X | | | X | | X | | X | | | | 19 |
| Alveolar/Bronchiolar Adenoma, Multiple | | | X | | X | | | | | X | | | | | X | | X | | | | | | X | X | 12 |
| Alveolar/Bronchiolar Carcinoma | | X | | | | X | | | | | | | | X | X | | | | | | | | | | 11 |
| Alveolar/Bronchiolar Carcinoma, Multiple | | | X | | | | | | | X | X | | | | | X | | | | X | | | | X | 8 |
| Hepatocellular Carcinoma, Metastatic, Liver | | | | | | | | | | | | X | | | | | | | | | | | | | 8 |
| Nose | | + | + | 50 |
| Trachea | | + | + | 50 |
| SPECIAL SENSES SYSTEM | | | |
| Eye | | + | + | 50 |
| Harderian Gland | | + | + | 50 |
| Adenoma | | | | | X | | | | | | | | | | | | | | | | | | | | 2 |
| Carcinoma | | | | | | | | | | | X | | X | | | | X | | | | | | | | 3 |
| URINARY SYSTEM | | | |
| Kidney | | + | + | 50 |

* .. 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

Species/Strain: MICE/B6C3F1

CUMENE

Pathologist: PIERCE, J. - GRUMBEIN, S.

Lab: BNW

TDMS No. 96011 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

CUMENE

CAS Number: 98-82-8

Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Requested: 02/27/2006

Time Report Requested: 15:28:27

First Dose M/F: 06/11/01 / 06/11/01

Lab: BNW

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

ALIMENTARY SYSTEM

| |
|------------------------------------|
| Esophagus | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Gallbladder | + | A | + | I | + | A | + | + | + | A | A | A | + | A | + | + | + | + | + | A | + | + | + | + | + |
| Intestine Large, Cecum | + | A | + | + | + | A | + | + | + | A | + | A | + | A | + | + | + | + | + | A | + | + | + | + | + |
| Intestine Large, Colon | + | A | + | + | + | A | + | + | + | A | + | A | + | A | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Large, Rectum | + | A | + | + | + | A | + | + | + | A | + | A | + | + | + | + | + | + | + | A | + | + | + | + | + |
| Intestine Small, Duodenum | + | A | + | + | + | A | + | + | + | A | A | A | + | A | + | + | + | + | + | A | + | + | + | + | + |
| Intestine Small, Ileum | + | A | + | + | + | A | + | + | + | A | A | A | + | A | + | + | + | + | + | A | + | + | + | + | + |
| Intestine Small, Jejunum | + | A | + | + | + | A | + | + | + | A | A | A | + | A | + | + | + | + | + | A | + | + | + | + | + |
| Liver | + |
| Hemangiosarcoma |
| Hepatoblastoma | | | | | | | | | | | | | | | | X | | | | | X | | | | |
| Hepatocellular Adenoma | X | X | X | | | | X | | | | | | X | X | X | | | | | X | | | | | |
| Hepatocellular Adenoma, Multiple | | | | | | | | | | | X | | | | | | | X | X | | X | X | | X | X |
| Hepatocellular Carcinoma | | | X | | X | X | | | | | X | X | X | | X | | | | | X | X | | | | X |
| Hepatocellular Carcinoma, Multiple | X | | | | | | X | X | X | | | | | | | | | | | | | | | | |

* .. 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

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

| |
|-------------------------|
| Mesentery |
| | | | | | | | | | | | | | | | | | + | + | | | | | | | |
| Pancreas | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Salivary Glands | + |
| Stomach, Forestomach | + |
| Squamous Cell Carcinoma | |
| Stomach, Glandular | + | + | + | + | + | A | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Tooth | + | | | | | + |

CARDIOVASCULAR SYSTEM

| | |
|--|---|
| Heart | + |
| Alveolar/Bronchiolar Carcinoma, Metastatic, Lung | |
| Hemangiosarcoma |
| Hepatocellular Carcinoma, Metastatic, Liver |

ENDOCRINE 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

| | | DAY ON TEST | 3
8
1 | 5
0
3 | 5
1
2 | 5
6
5 | 5
6
8 | 5
9
8 | 6
3
8 | 6
4
5 | 6
4
9 | 6
6
4 | 6
6
8 | 6
8
3 | 6
8
4 | 7
9
0 | 7
1
2 | 7
1
8 | 7
2
3 | 7
2
6 | 7
2
6 | 7
2
9 | 7
2
9 | 7
2
9 | 7
2
9 | 7
2
9 | | |
|-----------------------------|--|---|-----------------------|--------------------|--|--|
| | | | | | | |
| B6C3F1 MICE MALE
500 PPM | | ANIMAL ID | 0
0
6
2
1 | 0
0
6
2
4 | 0
0
6
3
0 | 0
0
6
4
9 | 0
0
6
3
1 | 0
0
6
4
5 | 0
0
6
3
9 | 0
0
6
4
4 | 0
0
6
6
1 | 0
0
6
6
6 | 0
0
6
6
3 | 0
0
6
6
2 | 0
0
6
6
3 | 0
0
6
6
0 | 0
0
6
6
9 | 0
0
6
6
4 | 0
0
6
6
5 | 0
0
6
6
6 | 0
0
6
6
2 | 0
0
6
6
4 | 0
0
6
6
5 | 0
0
6
6
7 | 0
0
6
6
8 | males
(cont...) | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| Adrenal Cortex | | + + + + + A + | | | |
| Subcapsular, Adenoma | | | | | | |
| Adrenal Medulla | | + + + + + A + + + + + M + + + + + + + + + + + + + + + X | | | | |
| Pheochromocytoma Benign | | | | | | |
| Islets, Pancreatic | | + + + + + A + | | | |
| Parathyroid Gland | | M + + M + A + + + M + M + + + + + M + + + + + M M | | | |
| Pituitary Gland | | + + + + + A + | | | |
| Thyroid Gland | | + + + + + A + | | | |

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

| |
|-----------------|
| Epididymis | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Preputial Gland | + |
| Prostate | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | I | + | + | + | + | + | + |

* .. 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. 96011 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

CUMENE

CAS Number: 98-82-8

Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Requested: 02/27/2006

Time Report Requested: 15:28:27

First Dose M/F: 06/11/01 / 06/11/01

Lab: BNW

| | | |
|-----------------------------|---|-----------------------|
| B6C3F1 MICE MALE
500 PPM | DAY ON TEST | 3
8
1 | 5
0
3 | 5
1
2 | 5
6
5 | 5
6
8 | 5
9
8 | 6
3
8 | 6
4
5 | 6
4
9 | 6
6
4 | 6
6
8 | 6
8
3 | 6
8
4 | 6
9
0 | 7
0
2 | 7
1
2 | 7
1
8 | 7
2
3 | 7
2
6 | 7
2
6 | 7
2
9 | 7
2
9 | 7
2
9 | 7
2
9 | 7
2
9 |
| | <hr style="border-top: 1px dotted black;"/> | |
| | ANIMAL ID | 0
0
6
2
1 | 0
0
6
2
4 | 0
0
6
3
0 | 0
0
6
2
9 | 0
0
6
4
3 | 0
0
6
3
1 | 0
0
6
3
5 | 0
0
6
4
9 | 0
0
6
3
4 | 0
0
6
1
1 | 0
0
6
0
6 | 0
0
6
0
3 | 0
0
6
1
2 | 0
0
6
0
3 | 0
0
6
1
0 | 0
0
6
2
0 | 0
0
6
3
9 | 0
0
6
1
4 | 0
0
6
2
5 | 0
0
6
3
6 | 0
0
6
0
2 | 0
0
6
0
4 | 0
0
6
0
5 | 0
0
6
0
7 | 0
0
6
0
8 |
| | males (cont...) |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |

Seminal Vesicle

+ + + + + A +

Testes

+ + + + + A +

HEMATOPOIETIC SYSTEM

Bone Marrow

+ + + + + A +

Lymph Node

+ + + + +

Lymph Node, Bronchial

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

Lymph Node, Mandibular

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

Lymph Node, Mediastinal

+ + + + + A + M + + + M M + + + + + + + M + + + + +

Alveolar/Bronchiolar Carcinoma,
Metastatic, Lung

X

Lymph Node, Mesenteric

+ + + + + A +

Spleen

+ + + + + A +

Thymus

+ + + + + A M + M + I + + + M + + M M + + + + + M +

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

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

500 PPM | | ANIMAL ID | | | males
(cont...) |
| | | 0
0
6
2
1 | 0
0
6
2
4 | 0
0
6
3
0 | 0
0
6
4
9 | 0
0
6
3
1 | 0
0
6
3
5 | 0
0
6
4
9 | 0
0
6
1
1 | 0
0
6
0
6 | 0
0
6
0
3 | 0
0
6
1
2 | 0
0
6
3
3 | 0
0
6
2
0 | 0
0
6
4
0 | 0
0
6
3
9 | 0
0
6
0
2 | 0
0
6
0
4 | 0
0
6
2
5 | 0
0
6
3
6 | 0
0
6
0
2 | 0
0
6
0
4 | 0
0
6
0
5 | 0
0
6
0
7 | 0
0
6
0
8 | | |
| | | | | |
| | | | | |
| | | | | |
| Alveolar/Bronchiolar Adenoma, Multiple | | | | |
| Alveolar/Bronchiolar Carcinoma | | | | |
| Alveolar/Bronchiolar Carcinoma, Multiple | | | | |
| Carcinoma, Metastatic, Harderian Gland | | | | |
| Hepatocellular Carcinoma, Metastatic, Liver | | | | |
| Sarcoma, Metastatic, Uncertain Primary Site | | | | |
| Nose | | | | |
| Trachea | | | | |

SPECIAL SENSES SYSTEM

| |
|--------------------|
| Eye | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Harderian Gland | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Adenoma | | | | | | X | | | | | | | | | | | | | | | | | | |
| Carcinoma |
| Bilateral, Adenoma | |

URINARY 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

| | | |
|---|-------------|-----------------|
| B6C3F1 MICE MALE
500 PPM | DAY ON TEST | 3 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| | | 8 | 0 | 1 | 6 | 6 | 9 | 3 | 4 | 4 | 6 | 6 | 8 | 8 | 9 | 0 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| | | 1 | 3 | 2 | 5 | 8 | 8 | 8 | 5 | 9 | 4 | 8 | 3 | 4 | 0 | 2 | 2 | 8 | 3 | 6 | 6 | 9 | 9 | 9 | 9 | 9 |
| | ANIMAL ID | 0 | 0 |
| | | 0 | 0 |
| | | 6 | 6 |
| | | 2 | 2 | 3 | 2 | 4 | 3 | 3 | 4 | 3 | 1 | 0 | 0 | 1 | 3 | 2 | 4 | 3 | 1 | 2 | 3 | 0 | 0 | 0 | 0 | 0 |
| | | 1 | 4 | 0 | 9 | 3 | 1 | 5 | 9 | 4 | 1 | 6 | 3 | 2 | 3 | 0 | 0 | 9 | 4 | 5 | 6 | 2 | 4 | 5 | 7 | 8 |
| | | males (cont...) | |
| Kidney | | + | + |
| Alveolar/Bronchiolar Carcinoma,
Metastatic, Lung | | |
| Urinary Bladder | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + |
| Hemangiosarcoma | | |
| SYSTEMIC LESIONS | | |
| Multiple Organ | | + | + |
| Lymphoma Malignant | | X |

* .. 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. 96011 - 06

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CUMENE

CAS Number: 98-82-8

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First Dose M/F: 06/11/01 / 06/11/01

Lab: BNW

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

ALIMENTARY SYSTEM

| | |
|------------------------------------|----|
| Esophagus | + | 49 |
| Gallbladder | + | + | + | + | + | M | + | + | + | M | + | + | + | + | M | + | I | + | I | + | + | + | + | + | 37 |
| Intestine Large, Cecum | + | 44 |
| Intestine Large, Colon | + | 45 |
| Intestine Large, Rectum | + | 45 |
| Intestine Small, Duodenum | + | 43 |
| Intestine Small, Ileum | + | 43 |
| Intestine Small, Jejunum | + | 43 |
| Liver | + | 50 |
| Hemangiosarcoma | | | | | | | | | | X | | | | | | | | | | | | | | | 1 |
| Hepatoblastoma | | | | | | | | | | | | | | | | | X | X | | | | | | | 4 |
| Hepatocellular Adenoma | X | | X | | | | X | | X | | X | | | | | | | | | X | | | X | | 15 |
| Hepatocellular Adenoma, Multiple | | X | | X | X | X | | | | X | X | | | X | X | X | X | X | X | | | | X | X | 22 |
| Hepatocellular Carcinoma | X | | | | | | | X | | | | | | X | X | | | X | | | X | | | | 17 |
| Hepatocellular Carcinoma, Multiple | | 4 |

* .. 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. 96011 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

CUMENE

CAS Number: 98-82-8

Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Requested: 02/27/2006

Time Report Requested: 15:28:27

First Dose M/F: 06/11/01 / 06/11/01

Lab: BNW

| | | |
|-----------------------------|-------------|-----------------------|
| B6C3F1 MICE MALE
500 PPM | DAY ON TEST | 7
2
9 | 7
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| * TOTALS | | |

| | |
|----------------------|----|
| Adrenal Cortex | + | 49 |
| Subcapsular, Adenoma | | | | | | | | | X | | | | | | | | | X | | | | | | | 2 |

| | |
|-------------------------|----|
| Adrenal Medulla | + | 48 |
| Pheochromocytoma Benign | | 1 |

| | |
|--------------------|----|
| Islets, Pancreatic | + | 49 |
|--------------------|----|

| | |
|-------------------|----|
| Parathyroid Gland | M | + | M | + | M | + | + | + | + | + | + | + | + | M | M | + | + | M | + | + | M | + | + | + | 35 |
|-------------------|----|

| | |
|-----------------|----|
| Pituitary Gland | + | 49 |
|-----------------|----|

| | |
|---------------|----|
| Thyroid Gland | + | 49 |
|---------------|----|

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

| | |
|------------|----|
| Epididymis | + | 49 |
|------------|----|

| | |
|-----------------|----|
| Preputial Gland | + | 50 |
|-----------------|----|

| | |
|----------|----|
| Prostate | + | 48 |
|----------|----|

* .. 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. 96011 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

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Lab: BNW

| B6C3F1 MICE MALE
500 PPM | DAY ON TEST | 7
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| | ANIMAL ID | 0
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5 | | 8 | |
| | Seminal Vesicle | + | | 49 | |
| | Testes | + | | + | 49 |
| | | | | |

HEMATOPOIETIC SYSTEM

| | |
|---|----|
| Bone Marrow | + | 49 |
| Lymph Node | | 1 |
| Lymph Node, Bronchial | + | M | + | 45 |
| Lymph Node, Mandibular | + | M | M | M | M | M | M | + | + | M | + | M | M | + | + | M | M | M | + | M | + | M | + | M | M | 22 |
| Lymph Node, Mediastinal | + | + | + | M | + | M | + | + | M | + | + | + | + | + | M | + | + | + | + | + | + | + | + | M | + | 40 |
| Alveolar/Bronchiolar Carcinoma,
Metastatic, Lung | | 1 |
| Lymph Node, Mesenteric | + | 46 |
| Spleen | + | 49 |
| Thymus | + | + | + | + | M | + | + | + | + | M | + | M | + | M | + | + | + | + | + | + | + | + | + | + | + | 38 |

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

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

| | |
|--|----|
| Mammary Gland | M | 0 |
| Skin | + | 49 |
| Subcutaneous Tissue, Fibrous
Histiocytoma | | | | | | | | | X | | | | | | | | | | | | | | | | 1 |

MUSCULOSKELETAL SYSTEM

| | |
|---|----|
| Bone | + | 50 |
| Skeletal Muscle | 1 |
| Alveolar/Bronchiolar Carcinoma,
Metastatic, Lung | | 1 |

NERVOUS SYSTEM

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

RESPIRATORY SYSTEM

| | |
|------------------------------|----|
| Larynx | + | 50 |
| Lung | + | 50 |
| Alveolar/Bronchiolar Adenoma | X | | X | | X | | X | X | | X | | | | | | | X | | | | | | X | X | 16 |

* .. 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. 96011 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

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Lab: BNW

| | | |
|-----------------------------|-------------|-----------------------|
| B6C3F1 MICE MALE
500 PPM | DAY ON TEST | 7
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| | | |
| * TOTALS | | |

Kidney + 50

Alveolar/Bronchiolar Carcinoma, Metastatic, Lung X 1

Urinary Bladder + 49

Hemangiosarcoma X 1

SYSTEMIC LESIONS

Multiple Organ + 50

Lymphoma Malignant 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. 96011 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

CUMENE

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Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Requested: 02/27/2006

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First Dose M/F: 06/11/01 / 06/11/01

Lab: BNW

| | | |
|------------------------------|--------------------|--|
| B6C3F1 MICE MALE
1000 PPM | DAY ON TEST | 3
9
1 | 4
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7 | 4
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| | | 1
4
3 | 3
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2 | 4
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9 | 0
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6 | 2
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4 | 0
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3 | 5
0
0 | 1
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8 | 3
1
0 | 1
0
2 | 0
1
4 | 1
4
7 | 4
4
0 | 4
4
1 | 3
0
5 | 0
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2 | 2
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5 | 0
8
9 | 2
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2 | 1
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| | ANIMAL ID | | |
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ALIMENTARY SYSTEM

| |
|----------------------------------|
| Esophagus | + |
| Gallbladder | A | M | A | + | + | + | + | + | + | A | + | A | + | + | + | A | I | A | + | + | + | + | + | M | I |
| Intestine Large, Cecum | A | A | A | + | + | + | + | + | + | + | + | A | + | + | + | + | + | A | + | + | + | + | + | + | + |
| Intestine Large, Colon | + | A | A | + |
| Intestine Large, Rectum | A | A | A | + | + | + | + | + | + | + | + | A | + | + | + | + | + | A | + | + | + | + | + | + | + |
| Intestine Small, Duodenum | A | A | A | + | + | + | + | + | + | + | + | A | + | + | + | A | + | A | + | + | + | + | + | + | + |
| Intestine Small, Ileum | A | A | A | + | + | + | + | + | + | + | + | A | + | + | + | A | + | A | + | + | + | + | + | + | + |
| Intestine Small, Jejunum | A | A | A | + | + | + | + | + | + | + | + | A | + | + | + | A | + | A | + | + | + | + | + | + | + |
| Carcinoma |
| Liver | + |
| Hemangiosarcoma |
| Hepatoblastoma | | | | | | | | | | | | X | | | | | | | | | | | | | |
| Hepatocellular Adenoma | | | | | | X | | | | | | | | | | X | | X | X | | | | | | |
| Hepatocellular Adenoma, Multiple | | | | | | | X | X | | X | | | | X | | | | | X | X | X | X | | | X |
| Hepatocellular Carcinoma | X | X | | X | | | | X | | | | | | | | X | | | | | | | | | |

* .. 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

| | | DAY ON TEST | | | | | | | | | | | | | | | | | | | |
|--|-----------|---|--------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|--|--|--|
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1 | 7
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5 | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | |
| B6C3F1 MICE MALE
1000 PPM | ANIMAL ID | 0 | 0 | | | | | | | | | | | | | | | | | |
| | | 0 | | | | | | | | | | | | | | | | | |
| | | 8 | | | | | | | | | | | | | | | | | |
| | | 1 | 4 | 3 | 4 | 0 | 2 | 0 | 5 | 1 | 3 | 1 | 0 | 1 | 4 | 4 | 3 | 0 | 2 | 0 | 2 | 1 | 4 | 3 | 0 | 1 | 1 | | | | | | | | | | | | | | | | | |
| | | 3 | 2 | 2 | 9 | 6 | 4 | 3 | 0 | 8 | 0 | 2 | 4 | 7 | 0 | 1 | 5 | 2 | 5 | 9 | 2 | 9 | 3 | 1 | 5 | 5 | 5 | males
(cont...) | | | | | | | | | | | | | | | | |
| Hepatocellular Carcinoma, Multiple
Hepatocholangiocarcinoma | | X | | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | | | |
| Sarcoma, Metastatic, Uncertain Primary
Site | | | X | | | | | | | | | | | | | | | | | |
| Mesentery | | | | | | | | | | | | | | | | | | | | | |
| Pancreas | | | | | | | | | | | | | | | | | | | | | |
| Sarcoma, Metastatic, Uncertain Primary
Site | | + | + | A | + | | | | | | | | | | | | | | | | | |
| | | | X | | | | | | | | | | | | | | | | | |
| Salivary Glands | | | | | | | | | | | | | | | | | | | | | |
| Stomach, Forestomach | | + | + | A | + | | | | | | | | | | | | | | | | | |
| Sarcoma, Metastatic, Uncertain Primary
Site | | | X | | | | | | | | | | | | | | | | | |
| Stomach, Glandular | | | | | | | | | | | | | | | | | | | | | |
| Sarcoma, Metastatic, Uncertain Primary
Site | | A | + | A | + | | | | | | | | | | | | | | | | | |
| | | | X | | | | | | | | | | | | | | | | | |
| Tooth | | | | | | | | | | | | | | | | | | | | | |
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CARDIOVASCULAR SYSTEM

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

* .. 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

| | | | |
|------------------------------|-------------|-------------|--------------------|
| B6C3F1 MICE MALE
1000 PPM | DAY ON TEST | 3
9
1 | 4
0
7 | 4
2
0 | 4
4
9 | 4
8
0 | 5
2
6 | 5
5
6 | 5
7
6 | 6
0
9 | 6
0
9 | 6
1
0 | 6
2
7 | 6
2
8 | 6
2
8 | 6
4
5 | 6
7
1 | 6
8
0 | 6
8
3 | 6
8
7 | 6
8
7 | 6
9
4 | 6
9
4 | 6
9
6 | 7
0
1 | 7
0
5 | males
(cont...) |
| | ANIMAL ID | 0
0
8
1
3 | 0
0
8
4
2 | 0
0
8
3
2 | 0
0
8
4
9 | 0
0
8
0
6 | 0
0
8
2
4 | 0
0
8
0
3 | 0
0
8
5
0 | 0
0
8
1
8 | 0
0
8
3
0 | 0
0
8
1
2 | 0
0
8
0
4 | 0
0
8
1
7 | 0
0
8
4
0 | 0
0
8
4
1 | 0
0
8
3
5 | 0
0
8
0
2 | 0
0
8
2
5 | 0
0
8
8
9 | 0
0
8
8
2 | 0
0
8
8
9 | 0
0
8
8
3 | 0
0
8
8
1 | 0
0
8
0
5 | | |
| | | 0 | |
| | | 0 | |

males
(cont...)

Alveolar/Bronchiolar Carcinoma,
Metastatic, Lung

Carcinoma, Metastatic, Uncertain
Primary Site

X

X

ENDOCRINE SYSTEM

| | |
|---|---|
| Adrenal Cortex | + |
| Sarcoma, Metastatic, Uncertain Primary Site | |
| Subcapsular, Adenoma |
| Adrenal Medulla | + |
| Islets, Pancreatic | + | + | A | + |
| Parathyroid Gland | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | M | + | M | + | + | + | + | + | + | + |
| Pituitary Gland | A | + |
| Pars Distalis, Adenoma |
| Thyroid Gland | + |
| Follicular Cell, Adenoma |

GENERAL BODY 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

TDMS No. 96011 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

CUMENE

CAS Number: 98-82-8

Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Requested: 02/27/2006

Time Report Requested: 15:28:27

First Dose M/F: 06/11/01 / 06/11/01

Lab: BNW

| | | | |
|------------------------------|-------------|-------------|--------------------|
| B6C3F1 MICE MALE
1000 PPM | DAY ON TEST | 3
9
1 | 4
0
7 | 4
2
0 | 4
4
9 | 4
8
0 | 5
2
6 | 5
5
6 | 5
7
6 | 6
0
9 | 6
0
9 | 6
1
0 | 6
2
7 | 6
2
8 | 6
2
8 | 6
4
5 | 6
7
1 | 6
8
0 | 6
8
3 | 6
8
7 | 6
8
7 | 6
9
4 | 6
9
4 | 6
9
6 | 7
0
1 | 7
0
5 | males
(cont...) |
| | | 0
0
8
1
3 | 0
0
8
4
2 | 0
0
8
3
2 | 0
0
8
4
9 | 0
0
8
0
6 | 0
0
8
2
4 | 0
0
8
8
3 | 0
0
8
8
0 | 0
0
8
8
8 | 0
0
8
8
0 | 0
0
8
8
2 | 0
0
8
8
4 | 0
0
8
8
7 | 0
0
8
8
0 | 0
0
8
8
1 | 0
0
8
8
5 | 0
0
8
8
2 | 0
0
8
8
5 | 0
0
8
8
9 | 0
0
8
8
2 | 0
0
8
8
9 | 0
0
8
8
3 | 0
0
8
8
1 | 0
0
8
8
5 | | |
| | | | |
| | | | |
| | | | |

males
(cont...)

NONE

GENITAL SYSTEM

| |
|-----------------|
| Epididymis | + |
| Preputial Gland | + |
| Prostate | + | + | A | + |
| Seminal Vesicle | + | + | A | + |
| Testes | + |

HEMATOPOIETIC SYSTEM

| | |
|---|---|
| Bone Marrow | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Lymph Node | | | | | + | | | | | | | | | | | | | | | + | | | | | |
| Pancreatic, Sarcoma, Metastatic, Uncertain Primary Site | | | | | | | | | | | | | | | | | | | | X | | | | | |
| Renal, Carcinoma, Metastatic, Uncertain Primary Site | | | | | | X | | | | | | | | | | | | | | | | | | | |
| Lymph Node, Bronchial | + | + | + | M | + | M | + | M | M | M | M | M | + | M | + | + | + | + | + | + | + | + | + | + | + |

* .. 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. 96011 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

CUMENE

CAS Number: 98-82-8

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Date Report Requested: 02/27/2006

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First Dose M/F: 06/11/01 / 06/11/01

Lab: BNW

| | | 3 | 4 | 4 | 4 | 4 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | | |
|---|-----------|--------------------|
| DAY ON TEST | | 9 | 0 | 2 | 4 | 8 | 2 | 5 | 7 | 0 | 0 | 1 | 2 | 2 | 2 | 4 | 7 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 0 | 0 | |
| | | 1 | 7 | 0 | 9 | 0 | 6 | 6 | 6 | 9 | 9 | 0 | 7 | 8 | 8 | 5 | 1 | 0 | 3 | 7 | 7 | 4 | 4 | 6 | 1 | 5 | | |
| | | |
| B6C3F1 MICE MALE
1000 PPM | ANIMAL ID | 0 | males
(cont...) |
| | | 0 | | |
| | | 8 | | |
| | | 1 | 4 | 3 | 4 | 0 | 2 | 0 | 5 | 1 | 3 | 1 | 0 | 1 | 4 | 4 | 3 | 0 | 2 | 0 | 2 | 1 | 4 | 3 | 0 | 1 | | |
| | | 3 | 2 | 2 | 9 | 6 | 4 | 3 | 0 | 8 | 0 | 2 | 4 | 7 | 0 | 1 | 5 | 2 | 5 | 9 | 2 | 9 | 3 | 1 | 5 | 5 | | |
| Alveolar/Bronchiolar Carcinoma,
Metastatic, Lung | | | | | | | | | | | | | | | | | X | | | | | | | | | | | |
| Carcinoma, Metastatic, Uncertain
Primary Site | | | | | | | | | | | | | | | | | X | | | | | | | | | | | |
| Sarcoma, Metastatic, Uncertain Primary
Site | | | | | | | | | | | | | | | | | | X | | | | | | | | | | |
| Lymph Node, Mandibular | | M | + | M | M | + | + | + | M | + | + | M | + | + | + | + | + | M | + | + | + | + | M | + | + | + | | |
| Carcinoma, Metastatic, Uncertain
Primary Site | | | | | | | | | | | | | | | | | X | | | | | | | | | | | |
| Lymph Node, Mediastinal | | + | M | + | + | + | + | M | M | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | M | M | + | |
| Alveolar/Bronchiolar Carcinoma,
Metastatic, Lung | | | | | | | | | | | | | | | | | X | | | | | | | | | | | |
| Carcinoma, Metastatic, Uncertain
Primary Site | | | | | | | | | | | | | | | | | X | | | | | | | | | | | |
| Hepatocellular Carcinoma, Metastatic,
Liver | | | | | | | | | | | | | | | | | | X | | | | | | | | | | |
| Sarcoma, Metastatic, Uncertain Primary
Site | | | | | | | | | | | | | | | | | | X | | | | | | | | | | |
| Lymph Node, Mesenteric | | + | + | A | M | + | | |
| Sarcoma, Metastatic, Uncertain Primary
Site | | | | | | | | | | | | | | | | | | X | | | | | | | | | | |
| Spleen | | + | | |

* .. 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

| | | | | |
|------------------------------|-------------|-------------|-------------|--------------------|
| B6C3F1 MICE MALE
1000 PPM | DAY ON TEST | 3
9
1 | 4
0
7 | 4
2
0 | 4
4
9 | 4
8
0 | 5
2
6 | 5
5
6 | 5
7
6 | 6
0
9 | 6
0
9 | 6
1
0 | 6
2
7 | 6
2
8 | 6
2
8 | 6
4
5 | 6
7
1 | 6
8
0 | 6
8
3 | 6
8
7 | 6
8
7 | 6
9
4 | 6
9
4 | 6
9
6 | 7
0
1 | 7
0
5 | males
(cont...) |
| | ANIMAL ID | 0
0
8
1
3 | 0
0
8
4
2 | 0
0
8
3
2 | 0
0
8
4
9 | 0
0
8
0
6 | 0
0
8
2
4 | 0
0
8
0
3 | 0
0
8
5
0 | 0
0
8
1
8 | 0
0
8
3
0 | 0
0
8
0
2 | 0
0
8
1
4 | 0
0
8
8
0 | 0
0
8
4
1 | 0
0
8
3
5 | 0
0
8
0
2 | 0
0
8
2
5 | 0
0
8
8
9 | 0
0
8
8
2 | 0
0
8
8
9 | 0
0
8
8
3 | 0
0
8
8
1 | 0
0
8
0
5 | | | |
| | | | | |
| | | | | |
| | | | | |

Hemangiosarcoma

X

Sarcoma, Metastatic, Uncertain Primary Site

X

Thymus

+ + + + M M I + + + + + + + + M + + + + + + +

Alveolar/Bronchiolar Carcinoma, Metastatic, Lung

X

Sarcoma, Metastatic, Uncertain Primary Site

X

INTEGUMENTARY SYSTEM

| | |
|---|---|
| Mammary Gland | M |
| Skin | + |
| Subcutaneous Tissue, Fibrous Histiocytoma | |

MUSCULOSKELETAL SYSTEM

| | |
|---|---|
| Bone | + |
| Carcinoma, Metastatic, Uncertain Primary Site | |

NERVOUS 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

| | | |
|------------------------------|-------------|-----------------|
| B6C3F1 MICE MALE
1000 PPM | DAY ON TEST | 3 | 4 | 4 | 4 | 4 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 |
| | | 9 | 0 | 2 | 4 | 8 | 2 | 5 | 7 | 0 | 0 | 1 | 2 | 2 | 2 | 4 | 7 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 0 | 0 |
| | | 1 | 7 | 0 | 9 | 0 | 6 | 6 | 6 | 9 | 9 | 0 | 7 | 8 | 8 | 5 | 1 | 0 | 3 | 7 | 7 | 4 | 4 | 6 | 1 | 5 |
| | ANIMAL ID | 0 | 0 |
| | | 0 | 0 |
| | | 8 | 8 |
| | | 1 | 4 | 3 | 4 | 0 | 2 | 0 | 5 | 1 | 3 | 1 | 0 | 1 | 4 | 4 | 3 | 0 | 2 | 0 | 2 | 1 | 4 | 3 | 0 | 1 |
| | | 3 | 2 | 2 | 9 | 6 | 4 | 3 | 0 | 8 | 0 | 2 | 4 | 7 | 0 | 1 | 5 | 2 | 5 | 9 | 2 | 9 | 3 | 1 | 5 | 5 |
| | | males (cont...) | |

Alveolar/Bronchiolar Carcinoma,
Metastatic, Lung

X

Carcinoma, Metastatic, Uncertain
Primary Site

X

Trachea

+ +

Alveolar/Bronchiolar Carcinoma,
Metastatic, Lung

X

SPECIAL SENSES SYSTEM

Eye

+ + + + + + + + + + + A + + + + + A + + + + + + + +

Harderian Gland

+ +

Adenoma

X X X

Carcinoma

Bilateral, Adenoma

URINARY SYSTEM

Kidney

+ +

Alveolar/Bronchiolar Carcinoma,
Metastatic, Lung

X

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

| | | | | | |
|---|-------------|---|-----------------------|-------------|--------------------|
| B6C3F1 MICE MALE
1000 PPM | DAY ON TEST | 3
9
1 | 4
0
7 | 4
2
0 | 4
4
9 | 4
8
0 | 5
2
6 | 5
5
6 | 5
7
6 | 6
0
9 | 6
0
9 | 6
1
0 | 6
2
7 | 6
2
8 | 6
2
8 | 6
4
5 | 6
7
1 | 6
8
0 | 6
8
3 | 6
8
7 | 6
8
7 | 6
9
4 | 6
9
4 | 6
9
6 | 7
0
1 | 7
0
5 | males
(cont...) |
| | ANIMAL ID | 0
0
8
1
3 | 0
0
8
4
2 | 0
0
8
3
2 | 0
0
8
4
9 | 0
0
8
0
6 | 0
0
8
2
4 | 0
0
8
0
3 | 0
0
8
5
0 | 0
0
8
1
8 | 0
0
8
3
0 | 0
0
8
1
2 | 0
0
8
0
4 | 0
0
8
1
7 | 0
0
8
8
0 | 0
0
8
4
1 | 0
0
8
3
5 | 0
0
8
0
2 | 0
0
8
8
5 | 0
0
8
8
9 | 0
0
8
8
2 | 0
0
8
8
9 | 0
0
8
8
3 | 0
0
8
8
1 | 0
0
8
0
5 | | |
| | | | | | |
| | | | | | |
| | | | | | |
| Capsule, Sarcoma, Metastatic, Uncertain
Primary Site | | X | | | |
| Urinary Bladder | | + + A + I | | | |

SYSTEMIC LESIONS

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

* .. 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. 96011 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

CUMENE

CAS Number: 98-82-8

Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Requested: 02/27/2006

Time Report Requested: 15:28:27

First Dose M/F: 06/11/01 / 06/11/01

Lab: BNW

| | | | |
|------------------------------|-------------|-----------------------|--|
| B6C3F1 MICE MALE
1000 PPM | DAY ON TEST | 7
0
5 | 7
1
8 | 7
2
9 | 7
2
9 | 7
2
9 | 7
2
9 | 7
2
9 | 7
2
9 | 7
2
9 | 7
2
9 | 7
2
9 | 7
2
9 | 7
2
9 | 7
2
9 | 7
2
9 | 7
3
0 | 7
3
0 | 7
3
0 | 7
3
0 | 7
3
0 | 7
3
0 | 7
3
0 | 7
3
0 | 7
3
1 | |
| | | | |
| | ANIMAL ID | 0
0
8
4
6 | 0
0
8
0
8 | 0
0
8
1
0 | 0
0
8
1
6 | 0
0
8
1
6 | 0
0
8
2
0 | 0
0
8
2
1 | 0
0
8
2
7 | 0
0
8
2
8 | 0
0
8
2
9 | 0
0
8
3
3 | 0
0
8
3
8 | 0
0
8
3
9 | 0
0
8
4
5 | 0
0
8
4
7 | 0
0
8
0
1 | 0
0
8
0
7 | 0
0
8
1
4 | 0
0
8
2
3 | 0
0
8
2
6 | 0
0
8
3
4 | 0
0
8
3
7 | 0
0
8
4
4 | 0
0
8
4
8 | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | * TOTALS | | |

ALIMENTARY SYSTEM

| | |
|----------------------------------|----|
| Esophagus | + | 50 |
| Gallbladder | + | + | + | M | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 38 |
| Intestine Large, Cecum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | I | + | + | + | + | + | + | + | + | 44 |
| Intestine Large, Colon | + | 48 |
| Intestine Large, Rectum | + | 45 |
| Intestine Small, Duodenum | + | 44 |
| Intestine Small, Ileum | + | 44 |
| Intestine Small, Jejunum | + | 44 |
| Carcinoma | | | | | | | | | | | | X | | | | | | | | | | X | | 2 |
| Liver | + | 50 |
| Hemangiosarcoma | | | | | | | | | | | | | | | | | X | | | | | | | 1 |
| Hepatoblastoma | | | | | X | | | | | | | | | | | | | | X | | | | | 3 |
| Hepatocellular Adenoma | | | | | | | | | | | | X | X | | | | | | | X | X | | X | 9 |
| Hepatocellular Adenoma, Multiple | X | X | X | X | X | X | X | | X | X | X | | | | X | X | X | X | X | | | X | X | 26 |
| Hepatocellular Carcinoma | X | | | X | | X | X | | | | | | | | | | | | | X | | | | 10 |

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

+ .. Tissue examined microscopically

x .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

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TDMS No. 96011 - 06

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First Dose M/F: 06/11/01 / 06/11/01

Lab: BNW

| | | 7 | 7 |
|---|--|----------|----|
| DAY ON TEST | | 0 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| | | 5 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| | | | |
| B6C3F1 MICE MALE | | 0 | 0 |
| ANIMAL ID | | 0 | 0 |
| | | 8 | 8 |
| 1000 PPM | | 4 | 0 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 4 | 4 | 0 | 0 | 1 | 2 | 2 | 3 | 3 | 4 | 4 | 3 |
| | | 6 | 8 | 0 | 1 | 6 | 0 | 1 | 7 | 8 | 9 | 3 | 8 | 9 | 5 | 7 | 1 | 7 | 4 | 3 | 6 | 4 | 7 | 4 | 8 |
| | | * TOTALS | |
| Hepatocellular Carcinoma, Multiple | | | 7 |
| Hepatocholangiocarcinoma | | X | 1 |
| Sarcoma, Metastatic, Uncertain Primary Site | | | 1 |
| Mesentery | | | 3 |
| Pancreas | | + | + | 49 |
| Sarcoma, Metastatic, Uncertain Primary Site | | | 1 |
| Salivary Glands | | + | + | 50 |
| Stomach, Forestomach | | + | + | 49 |
| Sarcoma, Metastatic, Uncertain Primary Site | | | 1 |
| Stomach, Glandular | | + | + | 48 |
| Sarcoma, Metastatic, Uncertain Primary Site | | | 1 |
| Tooth | | | 6 |

CARDIOVASCULAR SYSTEM

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

* .. 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. 96011 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

CUMENE

CAS Number: 98-82-8

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First Dose M/F: 06/11/01 / 06/11/01

Lab: BNW

| | DAY ON TEST | 7 | 7 |
|------------------------------|-------------|----------|
| | | 0 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| | | 5 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| B6C3F1 MICE MALE
1000 PPM | ANIMAL ID | 0 | 0 |
| | | 0 | 0 |
| | | 8 | 8 |
| | | 4 | 0 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 4 | 4 | 0 | 0 | 1 | 2 | 2 | 3 | 3 | 4 | 3 |
| | | 6 | 8 | 0 | 1 | 6 | 0 | 1 | 7 | 8 | 9 | 3 | 8 | 9 | 5 | 7 | 1 | 7 | 4 | 3 | 6 | 4 | 7 | 4 | 8 |
| | | * TOTALS | |

Alveolar/Bronchiolar Carcinoma,
Metastatic, Lung

1

Carcinoma, Metastatic, Uncertain
Primary Site

1

ENDOCRINE SYSTEM

| | |
|---|----|
| Adrenal Cortex | + | 50 |
| Sarcoma, Metastatic, Uncertain Primary Site | | 1 |
| Subcapsular, Adenoma | 1 |
| Adrenal Medulla | + | 50 |
| Islets, Pancreatic | + | 49 |
| Parathyroid Gland | M | M | M | M | + | + | M | + | + | + | + | I | + | M | + | M | + | + | + | M | + | + | M | + | 36 |
| Pituitary Gland | + | 49 |
| Pars Distalis, Adenoma | 1 |
| Thyroid Gland | + | 50 |
| Follicular Cell, Adenoma | 3 |

GENERAL BODY 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

TDMS No. 96011 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

CUMENE

CAS Number: 98-82-8

Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Requested: 02/27/2006

Time Report Requested: 15:28:27

First Dose M/F: 06/11/01 / 06/11/01

Lab: BNW

| | | 7 | 7 | | |
|--|-----------|----------|----|----|
| DAY ON TEST | | 0 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | | |
| | | 5 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | | |
| B6C3F1 MICE MALE
1000 PPM | ANIMAL ID | 0 | 0 | | |
| | | 0 | 0 | | |
| | | 8 | 8 | | |
| | | 4 | 0 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 4 | 4 | 0 | 0 | 1 | 2 | 2 | 3 | 3 | 4 | 4 | 3 | |
| | | 6 | 8 | 0 | 1 | 6 | 0 | 1 | 7 | 8 | 9 | 3 | 8 | 9 | 5 | 7 | 1 | 7 | 4 | 3 | 6 | 4 | 7 | 4 | 8 | 6 | |
| | | * TOTALS | | |
| Alveolar/Bronchiolar Carcinoma, Metastatic, Lung | | | 1 | |
| Carcinoma, Metastatic, Uncertain Primary Site | | | 1 | |
| Sarcoma, Metastatic, Uncertain Primary Site | | | 1 | |
| Lymph Node, Mandibular | | M | M | M | M | M | + | M | M | M | M | + | + | M | M | M | M | M | + | M | M | + | + | + | M | 25 | |
| Carcinoma, Metastatic, Uncertain Primary Site | | | 1 | |
| Lymph Node, Mediastinal | | + | + | + | + | + | + | + | + | + | M | M | + | + | + | + | + | + | M | + | + | + | M | + | M | + | 39 |
| Alveolar/Bronchiolar Carcinoma, Metastatic, Lung | | | 2 | |
| Carcinoma, Metastatic, Uncertain Primary Site | | | 1 | |
| Hepatocellular Carcinoma, Metastatic, Liver | | | 1 | |
| Sarcoma, Metastatic, Uncertain Primary Site | | | 1 | |
| Lymph Node, Mesenteric | | M | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | M | M | + | + | + | + | + | + | 44 |
| Sarcoma, Metastatic, Uncertain Primary Site | | | 1 | |
| Spleen | | + | + | 50 | |

* .. 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. 96011 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

CUMENE

CAS Number: 98-82-8

Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Requested: 02/27/2006

Time Report Requested: 15:28:27

First Dose M/F: 06/11/01 / 06/11/01

Lab: BNW

| | DAY ON TEST | 7 |
|------------------------------|-------------|----------|
| | | 0 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| | | 5 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| B6C3F1 MICE MALE
1000 PPM | ANIMAL ID | 0 |
| | | 0 |
| | | 8 |
| | | 4 | 0 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 4 | 4 | 0 | 0 | 1 | 2 | 2 | 3 | 3 | 4 | 4 | 3 |
| | | 6 | 8 | 0 | 1 | 6 | 0 | 1 | 7 | 8 | 9 | 3 | 8 | 9 | 5 | 7 | 1 | 7 | 4 | 3 | 6 | 4 | 7 | 4 | 8 |
| | | * TOTALS |

| | |
|---|----|
| Brain | + | 50 |
| Carcinoma, Metastatic, Uncertain Primary Site | | 1 |

RESPIRATORY SYSTEM

| | |
|---|----|
| Larynx | + | 50 |
| Lung | + | 50 |
| Alveolar/Bronchiolar Adenoma | | | | | | | X | | | | | X | | | | | | | X | X | | | | | 9 |
| Alveolar/Bronchiolar Adenoma, Multiple | X | | X | X | X | X | | X | X | X | X | | X | X | X | X | | X | | | | X | | X | 20 |
| Alveolar/Bronchiolar Carcinoma | | X | | | | | X | | X | | X | | | X | | | | | | | | | | | 16 |
| Alveolar/Bronchiolar Carcinoma, Multiple | X | | | | X | X | | X | | X | | | | X | | X | | | | X | | X | | | 17 |
| Carcinoma, Metastatic, Harderian Gland | X | | | 1 |
| Carcinoma, Metastatic, Uncertain Primary Site | | 1 |
| Hepatocellular Carcinoma, Metastatic, Liver | 7 |
| Sarcoma, Metastatic, Uncertain Primary Site | 1 |
| Nose | + | 48 |
| Pleura | | 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. 96011 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

CUMENE

CAS Number: 98-82-8

Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Requested: 02/27/2006

Time Report Requested: 15:28:27

First Dose M/F: 06/11/01 / 06/11/01

Lab: BNW

| | | | | |
|------------------------------|---|-----------------------|-------------|--|
| B6C3F1 MICE MALE
1000 PPM | DAY ON TEST | 7
0
5 | 7
1
8 | 7
2
9 | 7
2
9 | 7
2
9 | 7
2
9 | 7
2
9 | 7
2
9 | 7
2
9 | 7
2
9 | 7
2
9 | 7
2
9 | 7
2
9 | 7
2
9 | 7
2
9 | 7
3
0 | 7
3
0 | 7
3
0 | 7
3
0 | 7
3
0 | 7
3
0 | 7
3
0 | 7
3
0 | 7
3
1 | |
| | <hr style="border-top: 1px dotted black;"/> | | | |
| | ANIMAL ID | 0
0
8
4
6 | 0
0
8
0
8 | 0
0
8
1
0 | 0
0
8
1
6 | 0
0
8
1
0 | 0
0
8
2
0 | 0
0
8
2
1 | 0
0
8
2
7 | 0
0
8
2
8 | 0
0
8
3
9 | 0
0
8
3
3 | 0
0
8
3
8 | 0
0
8
4
9 | 0
0
8
4
5 | 0
0
8
0
7 | 0
0
8
0
7 | 0
0
8
1
4 | 0
0
8
2
3 | 0
0
8
2
6 | 0
0
8
3
4 | 0
0
8
3
7 | 0
0
8
4
4 | 0
0
8
4
8 | | |
| | | | | |
| | | | | |
| | | | | |
| * TOTALS | | | | |

Alveolar/Bronchiolar Carcinoma,
Metastatic, Lung

1

Carcinoma, Metastatic, Uncertain
Primary Site

1

Trachea

+ +

50

Alveolar/Bronchiolar Carcinoma,
Metastatic, Lung

1

SPECIAL SENSES SYSTEM

Eye

+ +

48

Harderian Gland

+ +

50

Adenoma

X

4

Carcinoma

X

X

2

Bilateral, Adenoma

X

1

URINARY SYSTEM

Kidney

+ +

50

Alveolar/Bronchiolar Carcinoma,
Metastatic, Lung

1

Carcinoma, Metastatic, Uncertain
Primary Site

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

| | | | | | |
|---|-------------|-------------|-------------|--|----|
| B6C3F1 MICE MALE
1000 PPM | DAY ON TEST | 7
0
5 | 7
1
8 | 7
2
9 | 7
2
9 | 7
2
9 | 7
2
9 | 7
2
9 | 7
2
9 | 7
2
9 | 7
2
9 | 7
2
9 | 7
2
9 | 7
2
9 | 7
2
9 | 7
2
9 | 7
3
0 | 7
3
0 | 7
3
0 | 7
3
0 | 7
3
0 | 7
3
0 | 7
3
0 | 7
3
0 | 7
3
0 | 7
3
1 | | |
| | | | | | |
| | ANIMAL ID | 0
0
8
4
6 | 0
0
8
0
8 | 0
0
8
1
0 | 0
0
8
1
6 | 0
0
8
2
0 | 0
0
8
2
1 | 0
0
8
2
7 | 0
0
8
2
8 | 0
0
8
2
9 | 0
0
8
3
3 | 0
0
8
3
8 | 0
0
8
3
9 | 0
0
8
4
5 | 0
0
8
4
7 | 0
0
8
0
1 | 0
0
8
0
7 | 0
0
8
1
4 | 0
0
8
2
3 | 0
0
8
3
6 | 0
0
8
3
4 | 0
0
8
4
7 | 0
0
8
4
4 | 0
0
8
8
6 | | | | |
| | | | | | |
| | | | | | |
| | | * TOTALS | | | | |
| | | | | | |
| Capsule, Sarcoma, Metastatic, Uncertain
Primary Site | | | | | 1 |
| | | | | | |
| Urinary Bladder | | | | | 48 |

SYSTEMIC LESIONS

| | |
|----------------|----|
| Multiple Organ | + | 50 |
|----------------|----|

*** 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

TDMS No. 96011 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

CUMENE

CAS Number: 98-82-8

Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Requested: 02/27/2006

Time Report Requested: 15:28:27

First Dose M/F: 06/11/01 / 06/11/01

Lab: BNW

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

females
(cont...)

ALIMENTARY SYSTEM

| |
|------------------------------------|
| Esophagus | + |
| Gallbladder | A | + | A | + | + | + | M | A | I | + | A | M | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Large, Cecum | A | + | A | + | + | + | + | A | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Large, Colon | + | + | A | + | + | + | + | A | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Large, Rectum | + | + | A | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Small, Duodenum | + | + | A | + | + | + | + | A | + | + | A | A | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Small, Ileum | A | + | A | + | + | + | + | A | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Small, Jejunum | A | + | A | + | + | + | + | A | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + |
| Liver | + |
| Hepatocellular Adenoma | | | | | | | | | | | | | | | | | | | X | | | | | |
| Hepatocellular Adenoma, Multiple | | | | | | | | | X | | | | | | | | X | | X | | X | X | X | |
| Hepatocellular Carcinoma | | | | | | | | | X | | | | X | | | | | | | X | | | | X |
| Hepatocellular Carcinoma, Multiple | | | | | | X | | | | | | | | | | | | | | | | | | |
| Mesentery | | | | | | + | | | | + | | | | | | | | | + | + | | | | |

* .. 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

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

| | |
|--|---|
| Pancreas | + | + | A | + |
| Carcinoma, Metastatic, Uncertain
Primary Site | | | | | | | X | | | | | | | | | | | | | | | | | |
| Salivary Glands | + |
| Stomach, Forestomach | + | + | A | + |
| Epithelium, Squamous Cell Carcinoma | | | | | | | | | | X | | | | | | | | | | | | | | |
| Stomach, Glandular | + | + | A | + |

CARDIOVASCULAR SYSTEM

| | |
|--|---|
| Heart | + |
| Carcinoma, Metastatic, Uncertain
Primary Site | | | | | | | X | | | | | | | | | | | | | | | | | |

ENDOCRINE SYSTEM

| |
|--------------------|
| Adrenal Cortex | + |
| Adrenal Medulla | + |
| Islets, Pancreatic | + | + | A | + |

* .. 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

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

| |
|----------------------------|
| Adenoma |
| Parathyroid Gland | M | M | + | + | M | + | I | + | M | M | M | + | M | + | M | + | M | + | + | M | M | M | + | + | + |
| Pituitary Gland | + |
| Pars Distalis, Adenoma | | | | | | | | | | | | | | | | | X | X | | | | | | | |
| Pars Intermedia, Adenoma | | | | | X | | | | | | | | | | X | | | | | | | | | | |
| Thyroid Gland | + |
| Follicular Cell, Adenoma |
| Follicular Cell, Carcinoma | | | | | | | | | | | X | | | | | | | | | | | | | | |

GENERAL BODY SYSTEM
NONE

GENITAL SYSTEM

| |
|-----------------|
| Clitoral Gland | + | + | + | + | I | + | + | + | + | + | I | + | + | + | + | + | M | + | M | + | + | + | + | + | + |
| Ovary | + | + | A | + | + | I | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Cystadenoma | | | | | | | | | | | | | | | | | | X | | | | | | | |
| Teratoma Benign | X | |
| Uterus | + |

* .. 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

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

Polyp Stromal

Endometrium, Carcinoma

X

X

X

X

HEMATOPOIETIC SYSTEM

| | |
|--|---|
| Bone Marrow | + | + | A | + | |
| Lymph Node | | | | | | | + | | | | | | | | | | + | | | | | + | | | |
| Lymph Node, Bronchial | M | + | + | M | + | + | + | + | M | M | M | + | + | + | + | + | + | + | M | + | + | + | + | + | M |
| Carcinoma, Metastatic, Uncertain
Primary Site | | | | | | | X | | | | | | | | | | | | | | | | | | |
| Lymph Node, Mandibular | + | + | + | M | M | + | + | M | + | + | + | + | + | M | + | + | + | + | + | + | + | M | + | + | M |
| Lymph Node, Mediastinal | + | + | + | + | + | + | + | M | + | + | + | M | M | + | + | + | + | + | + | + | + | + | + | + | M |
| Carcinoma, Metastatic, Uncertain
Primary Site | | | | | | | X | | | | | | | | | | | | | | | | | | |
| Lymph Node, Mesenteric | + | + | + | + | + | + | + | + | + | + | M | M | + | + | + | + | + | | + | + | + | + | | + | + |
| Spleen | + | + | A | + |
| Thymus | + |
| Carcinoma, Metastatic, Uncertain
Primary Site | | | | | | | X | | | | | | | | | | | | | | | | | | |

* .. 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

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

females
(cont...)

INTEGUMENTARY SYSTEM

| | |
|---|---|
| Mammary Gland | + |
| Carcinoma | | | | | | | | | | | | | | X | | | | | | | | | | |
| Skin | + |
| Squamous Cell Carcinoma |
| Subcutaneous Tissue,
Hemangiosarcoma | |

MUSCULOSKELETAL SYSTEM

| | |
|--|---|
| Bone | + |
| Skeletal Muscle |
| Carcinoma, Metastatic, Uncertain
Primary Site | |

NERVOUS SYSTEM

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

RESPIRATORY SYSTEM

* .. 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

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

ALIMENTARY SYSTEM

| | | |
|------------------------------------|----|----|
| Esophagus | + | 50 | |
| Gallbladder | + | + | + | + | + | + | + | + | + | M | M | + | + | + | + | + | + | I | + | + | + | + | + | I | M | 38 |
| Intestine Large, Cecum | + | 46 | |
| Intestine Large, Colon | + | 47 | |
| Intestine Large, Rectum | + | 48 | |
| Intestine Small, Duodenum | + | 46 | |
| Intestine Small, Ileum | + | 46 | |
| Intestine Small, Jejunum | + | 46 | |
| Liver | + | 50 | |
| Hepatocellular Adenoma | | | | X | | | X | X | | | | X | | | | X | | | | X | X | | X | | 9 | |
| Hepatocellular Adenoma, Multiple | | X | | | | | | X | | | | | X | | | | | | | | | | | | 9 | |
| Hepatocellular Carcinoma | | | | | | | | | | | X | X | | | | | X | | | | | | X | | 8 | |
| Hepatocellular Carcinoma, Multiple | | | | | | | | | | | | | | | | | | X | | | | | | | 2 | |
| Mesentery | | + | | + | | | | + | | | + | | + | + | | | | | | + | | | | | 11 | |

* .. 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. 96011 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

CUMENE

CAS Number: 98-82-8

Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Requested: 02/27/2006

Time Report Requested: 15:28:27

First Dose M/F: 06/11/01 / 06/11/01

Lab: BNW

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

| | |
|----------|----|
| Pancreas | + | 49 |
|----------|----|

| | |
|--|---|
| Carcinoma, Metastatic, Uncertain
Primary Site | 1 |
|--|---|

| | |
|-----------------|----|
| Salivary Glands | + | 50 |
|-----------------|----|

| | |
|----------------------|----|
| Stomach, Forestomach | + | 49 |
|----------------------|----|

| | |
|-------------------------------------|---|
| Epithelium, Squamous Cell Carcinoma | 1 |
|-------------------------------------|---|

| | |
|--------------------|----|
| Stomach, Glandular | + | 49 |
|--------------------|----|

CARDIOVASCULAR SYSTEM

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

| | |
|--|---|
| Carcinoma, Metastatic, Uncertain
Primary Site | 1 |
|--|---|

ENDOCRINE SYSTEM

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

| | |
|-----------------|----|
| Adrenal Medulla | + | 50 |
|-----------------|----|

| | |
|--------------------|----|
| Islets, Pancreatic | + | 49 |
|--------------------|----|

* .. 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. 96011 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

CUMENE

CAS Number: 98-82-8

Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Requested: 02/27/2006

Time Report Requested: 15:28:27

First Dose M/F: 06/11/01 / 06/11/01

Lab: BNW

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

Polyp Stromal

X

3

Endometrium, Carcinoma

X

3

HEMATOPOIETIC SYSTEM

Bone Marrow

+ 49

Lymph Node

+ 4

Lymph Node, Bronchial

M + + M + + + M + + + + + + + + + + + M + + + 39

Carcinoma, Metastatic, Uncertain
Primary Site

1

Lymph Node, Mandibular

+ + M + + M M + M + + + M + + M + M + M + + + M + 35

Lymph Node, Mediastinal

+ + M + + + + + + + + + + + + + M + + + + + + 44

Carcinoma, Metastatic, Uncertain
Primary Site

1

Lymph Node, Mesenteric

+ 46

Spleen

+ 49

Thymus

+ + + + + + + + + + M + + + + + + + + + + + + 49

Carcinoma, Metastatic, Uncertain
Primary Site

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

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

INTEGUMENTARY SYSTEM

| | |
|---|----|
| Mammary Gland | + | 50 |
| Carcinoma | 1 |
| Skin | + | 50 |
| Squamous Cell Carcinoma | X | | | 1 |
| Subcutaneous Tissue,
Hemangiosarcoma | | | | | | | | | | | | | | | | | | X | | | | | | | | 1 |

MUSCULOSKELETAL SYSTEM

| | |
|--|----|
| Bone | + | 50 |
| Skeletal Muscle | 1 |
| Carcinoma, Metastatic, Uncertain
Primary Site | | 1 |

NERVOUS SYSTEM

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

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

TDMS No. 96011 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

CUMENE

CAS Number: 98-82-8

Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Requested: 02/27/2006

Time Report Requested: 15:28:27

First Dose M/F: 06/11/01 / 06/11/01

Lab: BNW

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

| | |
|--------|----|
| Larynx | + | 50 |
|--------|----|

| | |
|------|----|
| Lung | + | 50 |
|------|----|

| | |
|------------------------------|---|
| Alveolar/Bronchiolar Adenoma | 1 |
|------------------------------|---|

| | | | |
|--------------------------------|---|--|---|
| Alveolar/Bronchiolar Carcinoma | X | | 3 |
|--------------------------------|---|--|---|

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|---|--|--|--|--|--|--|--|--|---|
| Carcinoma, Metastatic, Harderian Gland | | | | | | | | | | | | | | | | X | | | | | | | | | 3 |
|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|---|--|--|--|--|--|--|--|--|---|

| | |
|---|---|
| Carcinoma, Metastatic, Uncertain Primary Site | 1 |
|---|---|

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|--|--|--|--|--|--|--|--|--|--|--|--|---|--|--|--|--|--|--|--|--|--|--|--|---|
| Hepatocellular Carcinoma, Metastatic, Liver | | | | | | | | | | | | | X | | | | | | | | | | | | 4 |
|---|--|--|--|--|--|--|--|--|--|--|--|--|---|--|--|--|--|--|--|--|--|--|--|--|---|

| | |
|------|----|
| Nose | + | 50 |
|------|----|

| | |
|--|---|
| Carcinoma, Metastatic, Harderian Gland | 1 |
|--|---|

| | |
|---------|----|
| Trachea | + | 50 |
|---------|----|

SPECIAL SENSES SYSTEM

| | |
|-----|----|
| Eye | + | 49 |
|-----|----|

| | |
|-----------------|----|
| Harderian Gland | + | 50 |
|-----------------|----|

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------|--|--|---|--|--|--|--|---|---|--|--|--|--|--|--|--|--|--|--|--|--|--|---|--|---|
| Adenoma | | | X | | | | | X | X | | | | | | | | | | | | | | X | | 8 |
|---------|--|--|---|--|--|--|--|---|---|--|--|--|--|--|--|--|--|--|--|--|--|--|---|--|---|

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------|--|--|--|--|--|--|--|---|--|--|--|--|--|---|--|--|---|--|--|--|--|--|--|--|---|
| Carcinoma | | | | | | | | X | | | | | | X | | | X | | | | | | | | 5 |
|-----------|--|--|--|--|--|--|--|---|--|--|--|--|--|---|--|--|---|--|--|--|--|--|--|--|---|

* .. 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

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

URINARY SYSTEM

| | |
|--|----|
| Kidney | + | 49 |
| Carcinoma, Metastatic, Uncertain
Primary Site | | 1 |
| Urinary Bladder | + | 48 |

SYSTEMIC LESIONS

| | |
|--------------------|----|
| Multiple Organ | + | 50 |
| Lymphoma Malignant | | X | | | | | | | | | X | | | | | | X | | | | | | | | | | 7 |

* .. 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. 96011 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

CUMENE

CAS Number: 98-82-8

Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Requested: 02/27/2006

Time Report Requested: 15:28:27

First Dose M/F: 06/11/01 / 06/11/01

Lab: BNW

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

females
(cont...)

ALIMENTARY SYSTEM

| |
|------------------------------------|
| Esophagus | + |
| Gallbladder | A | + | + | + | A | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Large, Cecum | A | + | + | + | A | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Large, Colon | + |
| Intestine Large, Rectum | A | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Small, Duodenum | A | + | + | + | A | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Carcinoma |
| Intestine Small, Ileum | A | + | + | + | A | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Small, Jejunum | A | + | + | + | A | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Liver | + |
| Hemangiosarcoma | | | | | | | | | | X | | | | | | | | | | | | | | |
| Hepatocellular Adenoma | | | | | X | | | | | | X | | | | | | | X | | | | X | | |
| Hepatocellular Adenoma, Multiple | | | | | | X | | | | | | X | X | X | | X | | | | | | | | |
| Hepatocellular Carcinoma | | | | | X | | | | | | | | X | | | | | | | | | | | |
| Hepatocellular Carcinoma, Multiple | | | | | | | | | | | | | | | X | | | | | | | | | |

* .. 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

| | | | |
|-------------------------------|-------------|-------------|--|
| B6C3F1 MICE FEMALE
125 PPM | DAY ON TEST | 3
7
0 | 4
8
1 | 4
9
9 | 5
5
5 | 6
0
9 | 6
2
3 | 6
3
6 | 6
4
5 | 6
4
6 | 6
6
8 | 7
1
2 | 7
1
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3
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1 | |
| | ANIMAL ID | 0
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3
9 | 0
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6 | 0
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5 | 0
0
3
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1 | 0
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3
2
7 | 0
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3
4
2 | 0
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9 | 0
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7 | 0
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5 | 0
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9 | 0
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4 | 0
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3
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6 | 0
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3
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8 | 0
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3
3
1 | 0
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3
4
1 | | |
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| | | | |
| | | | |
| Hepatocholangiocarcinoma | | X | | |
| Mesentery | | | |
| Sarcoma | | | |
| Pancreas | | | |
| Salivary Glands | | | |
| Stomach, Forestomach | | | |
| Squamous Cell Papilloma | | | |
| Stomach, Glandular | | | |

females
(cont...)

CARDIOVASCULAR SYSTEM

| | |
|---|--|
| Blood Vessel |
| Heart |
| Hepatocholangiocarcinoma, Metastatic, Liver | |

ENDOCRINE SYSTEM

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

* .. 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. 96011 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

CUMENE

CAS Number: 98-82-8

Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Requested: 02/27/2006

Time Report Requested: 15:28:27

First Dose M/F: 06/11/01 / 06/11/01

Lab: BNW

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

| | |
|--------------------|--|
| Ovary | + | |
| Cystadenocarcinoma | | X | | |
| Cystadenoma | X | | | |
| Yolk Sac Carcinoma | | | X | |
| <hr/> | |
| Uterus | + | |

HEMATOPOIETIC SYSTEM

| | |
|--|---|
| Bone Marrow | + |
| Lymph Node | | | | | + | | | | | + | | | | | | + | + | | | | | | |
| Renal, Hepatocholangiocarcinoma, Metastatic, Liver | | | | | X | | | | | | | | | | | | | | | | | | |
| Lymph Node, Bronchial | + | + | + | + | M | + | M | + | + | + | + | + | M | + | M | + | + | + | M | + | + | + | + |
| Lymph Node, Mandibular | + | M | + | M | + | + | + | + | + | + | M | + | + | + | + | + | M | + | + | M | + | + | + |
| Lymph Node, Mediastinal | M | + | + | + | + | + | M | + | M | + | M | M | + | + | M | + | + | + | + | + | + | M | + |
| Hepatocholangiocarcinoma, Metastatic, Liver | | | | | X | | | | | | | | | | | | | | | | | | |
| Lymph Node, Mesenteric | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | M | + | + |
| Spleen | + |

* .. 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

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

| | |
|---|---|
| Thymus | + |
| Hepatocholangiocarcinoma, Metastatic, Liver | | | | | X | | | | | | | | | | | | | | | | | | | |

INTEGUMENTARY SYSTEM

| |
|--------------------------------------|
| Mammary Gland | + |
| Carcinoma | X | | | | |
| Skin | + |
| Subcutaneous Tissue, Hemangiosarcoma | | | | | X | | | | | | | | | | | | | | | | | | | |
| Subcutaneous Tissue, Sarcoma | | | | | | | | | | | X | | | | | | | | | | | | | |

MUSCULOSKELETAL SYSTEM

| | |
|---|---|
| Bone | + |
| Skeletal Muscle | | | | | + | | | | | | | | | | | | | | | | | | | |
| Hepatocholangiocarcinoma, Metastatic, Liver | | | | | X | | | | | | | | | | | | | | | | | | | |

NERVOUS SYSTEM

* .. 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

Page 81

Species/Strain: MICE/B6C3F1

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

CUMENE

CAS Number: 98-82-8

Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Requested: 02/27/2006

Time Report Reqsted: 15:28:27

First Dose M/F: 06/11/01 / 06/11/01

Lab: BNW

[illegible]

SPECIAL SENSES SYSTEM

[illegible]

URINARY SYSTEM

[illegible]

SYSTEMIC LESIONS

[illegible]

* .. 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. 96011 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

CUMENE

CAS Number: 98-82-8

Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Requested: 02/27/2006

Time Report Requested: 15:28:27

First Dose M/F: 06/11/01 / 06/11/01

Lab: BNW

| | DAY ON TEST | 7 | 7 |
|--------------------|-------------|----------|
| | | 3 | 3 |
| | | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 |
| | | 0 | 0 |
| B6C3F1 MICE FEMALE | ANIMAL ID | 0 | 0 |
| | | 0 | 0 |
| 125 PPM | | 3 | 3 |
| | | 4 | 4 | 4 | 5 | 0 | 0 | 1 | 1 | 1 | 2 | 2 | 2 | 3 | 3 | 4 | 4 | 4 | 0 | 0 | 1 | 1 | 3 | 3 |
| | | 4 | 5 | 8 | 0 | 6 | 8 | 4 | 7 | 8 | 0 | 2 | 5 | 0 | 8 | 0 | 3 | 7 | 4 | 7 | 3 | 6 | 4 | 5 |
| | | * TOTALS | |

ALIMENTARY SYSTEM

| | | |
|------------------------------------|----|----|
| Esophagus | + | 50 | |
| Gallbladder | + | + | M | M | + | + | + | + | M | M | + | + | + | + | + | M | + | + | + | + | + | + | I | + | + | 41 |
| Intestine Large, Cecum | + | 47 | |
| Intestine Large, Colon | + | 50 | |
| Intestine Large, Rectum | + | 48 | |
| Intestine Small, Duodenum | + | 47 | |
| Carcinoma | | | | X | | 1 | |
| Intestine Small, Ileum | + | 47 | |
| Intestine Small, Jejunum | + | 47 | |
| Liver | + | 50 | |
| Hemangiosarcoma | 1 | |
| Hepatocellular Adenoma | | | | | | | X | | | X | | | | | | | X | X | X | | X | | | | 10 | |
| Hepatocellular Adenoma, Multiple | | | X | | X | | X | | | | X | X | X | | | | | | | | | X | | X | 13 | |
| Hepatocellular Carcinoma | | X | | | X | | | | | | | X | X | | | | | | | | | | | | 6 | |
| Hepatocellular Carcinoma, Multiple | | 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

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

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|--------------------------|--|--|--|--|--|--|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| Hepatocholangiocarcinoma | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Mesentery | | | | | | | | + | | | + | | + | | | | | | | + | + | + | | | 12 |
| Sarcoma | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Pancreas | | | | | | | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Salivary Glands | | | | | | | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Stomach, Forestomach | | | | | | | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Squamous Cell Papilloma | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Stomach, Glandular | | | | | | | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |

CARDIOVASCULAR SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|--|--|--|--|--|--|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| Blood Vessel | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Heart | | | | | | | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Hepatocholangiocarcinoma, Metastatic, Liver | | | | | | | | | | | | | | | | | | | | | | | | | 1 |

ENDOCRINE SYSTEM

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

* .. 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. 96011 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

CUMENE

CAS Number: 98-82-8

Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Requested: 02/27/2006

Time Report Requested: 15:28:27

First Dose M/F: 06/11/01 / 06/11/01

Lab: BNW

| | | | | |
|-------------------------------|---|-----------------------|--|--|
| B6C3F1 MICE FEMALE
125 PPM | DAY ON TEST | 7
3
1 | 7
3
1 | 7
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1 | 7
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2 | 7
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| | ANIMAL ID | 0
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| | * TOTALS | | |

Hepatocholangiocarcinoma, Metastatic,
Liver

1

Adrenal Medulla

49

Islets, Pancreatic
Carcinoma50
1

Parathyroid Gland

33

Pituitary Gland
Pars Distalis, Adenoma49
6Thyroid Gland
Bilateral, Follicular Cell, Carcinoma
C-cell, Adenoma
Follicular Cell, Adenoma50
1
1
4

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

Clitoral Gland

46

* .. 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

Species/Strain: MICE/B6C3F1

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

CUMENE

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Date Report Reqsted: 02/27/2006

Time Report Reqsted: 15:28:27

First Dose M/F: 06/11/01 / 06/11/01

Lab: BNW

[illegible]

HEMATOPOIETIC SYSTEM

[illegible]

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

+ .. Tissue examined microscopically

x .. Lesion present

1 .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

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

| | |
|---|----|
| Thymus | + | 50 |
| Hepatocholangiocarcinoma, Metastatic, Liver | | 1 |

INTEGUMENTARY SYSTEM

| | |
|--------------------------------------|----|
| Mammary Gland | + | 50 |
| Carcinoma | 1 |
| Skin | + | 50 |
| Subcutaneous Tissue, Hemangiosarcoma | | | | | | | | | | | | | | | X | | | | | | | | | | 2 |
| Subcutaneous Tissue, Sarcoma | 1 |

MUSCULOSKELETAL SYSTEM

| | |
|---|----|
| Bone | + | 50 |
| Skeletal Muscle | 1 |
| Hepatocholangiocarcinoma, Metastatic, Liver | | 1 |

NERVOUS SYSTEM

* .. 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

| | | |
|-------------------------------|-------------|-------------------|
| B6C3F1 MICE FEMALE
250 PPM | DAY ON TEST | 4 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| | | 9 | 0 | 1 | 3 | 5 | 7 | 8 | 8 | 9 | 0 | 0 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| | | 5 | 9 | 8 | 9 | 1 | 3 | 7 | 7 | 4 | 3 | 9 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 |
| | | 0 | 0 |
| | ANIMAL ID | 0 | 0 |
| | | 5 | 5 |
| | | 1 | 2 | 3 | 4 | 4 | 3 | 0 | 2 | 2 | 4 | 3 | 0 | 1 | 1 | 2 | 2 | 3 | 3 | 4 | 4 | 4 | 4 | 5 | 0 | 0 |
| | | 4 | 5 | 5 | 6 | 3 | 4 | 7 | 1 | 0 | 1 | 7 | 4 | 2 | 7 | 3 | 4 | 3 | 9 | 0 | 2 | 5 | 7 | 0 | 1 | 2 |
| | | females (cont...) | |
| Islets, Pancreatic Carcinoma | | + | + |
| Parathyroid Gland | | + | + | + | M | + | M | M | M | M | + | + | M | + | + | M | M | M | M | + | M | M | M | M | M | + |
| Pituitary Gland | | + | + |
| Pars Distalis, Adenoma | | | | | | | | | | | | X | | | | | | | | X | | | | | | |
| Pars Intermedia, Adenoma | | | | | | | | | | | | | | | | | | | | X | | | | | | |
| Thyroid Gland | | + | + |

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

| |
|--------------------|
| Clitoral Gland | + | M | M | + | M | + | + | I | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | M | + | + |
| Ovary | + |
| Cystadenocarcinoma | |
| Luteoma |
| Uterus | + |
| Leiomyoma | | | | | | | | | | | | | X | | | | | | | | | | | | | |
| Polyp Stromal |

* .. 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 |

Page 92

TDMS No. 96011 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

CUMENE

CAS Number: 98-82-8

Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Requested: 02/27/2006

Time Report Requested: 15:28:27

First Dose M/F: 06/11/01 / 06/11/01

Lab: BNW

| | | |
|-------------------------------|-------------|-----------------------|
| B6C3F1 MICE FEMALE
250 PPM | DAY ON TEST | 4
9
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Bilateral, Polyp Stromal

Endometrium, Carcinoma

HEMATOPOIETIC SYSTEM

Bone Marrow

Hemangiosarcoma

Lymph Node

Axillary, Hemangiosarcoma, Metastatic,
SpleenRenal, Alveolar/Bronchiolar Carcinoma,
Metastatic, Lung

Lymph Node, Bronchial

Lymph Node, Mandibular

Lymph Node, Mediastinal

Alveolar/Bronchiolar Carcinoma,
Metastatic, Lung

Lymph Node, Mesenteric

Spleen

* .. 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

| | | | | | |
|---|-------------|---|----------------------|-----------------------|--|
| B6C3F1 MICE FEMALE
250 PPM | DAY ON TEST | 4
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4 | 7
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9 | 7
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1 | 7
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1 | 7
3
2 | 7
3
2 | females
(cont...) | | |
| | ANIMAL ID | 0
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| | | | | | |
| Hemangiosarcoma | | X | | | |
| Thymus | | + + + + + + + M + + M + + + + + + + + + + + + + + | | | |
| INTEGUMENTARY SYSTEM | | | | | |
| Mammary Gland | | + | | | |
| Skin | | + | | | |
| Basal Cell Carcinoma | | X | | | |
| Subcutaneous Tissue, Fibrous Histiocytoma | | X | | | |
| Subcutaneous Tissue, Hemangiosarcoma | | | | | |
| Subcutaneous Tissue, Sarcoma | | | | | |
| MUSCULOSKELETAL SYSTEM | | | | | |
| Bone | | + | | | |
| Hemangiosarcoma | | | | | |
| Skeletal Muscle | | | | | |
| 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. 96011 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

CUMENE

CAS Number: 98-82-8

Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Requested: 02/27/2006

Time Report Requested: 15:28:27

First Dose M/F: 06/11/01 / 06/11/01

Lab: BNW

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

NERVOUS SYSTEM

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

RESPIRATORY SYSTEM

| |
|--------|
| Larynx | + |
|--------|

| |
|------|
| Lung | + |
|------|

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|------------------------------|---|--|--|--|--|--|--|--|--|--|---|---|--|--|---|---|--|--|--|--|---|--|---|--|--|
| Alveolar/Bronchiolar Adenoma | X | | | | | | | | | | X | X | | | X | X | | | | | X | | X | | |
|------------------------------|---|--|--|--|--|--|--|--|--|--|---|---|--|--|---|---|--|--|--|--|---|--|---|--|--|

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|--|--|--|---|---|--|--|--|--|--|--|--|--|---|---|--|--|---|---|--|--|--|--|--|---|---|
| Alveolar/Bronchiolar Adenoma, Multiple | | | X | X | | | | | | | | | X | X | | | X | X | | | | | | X | X |
|--|--|--|---|---|--|--|--|--|--|--|--|--|---|---|--|--|---|---|--|--|--|--|--|---|---|

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|--------------------------------|--|--|---|--|--|--|--|--|---|--|--|---|--|--|--|---|---|--|--|--|--|--|--|--|--|
| Alveolar/Bronchiolar Carcinoma | | | X | | | | | | X | | | X | | | | X | X | | | | | | | | |
|--------------------------------|--|--|---|--|--|--|--|--|---|--|--|---|--|--|--|---|---|--|--|--|--|--|--|--|--|

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|--|--|--|--|--|--|--|---|---|--|--|---|--|--|---|--|--|--|--|---|--|--|--|--|--|--|
| Alveolar/Bronchiolar Carcinoma, Multiple | | | | | | | X | X | | | X | | | X | | | | | X | | | | | | |
|--|--|--|--|--|--|--|---|---|--|--|---|--|--|---|--|--|--|--|---|--|--|--|--|--|--|

| | |
|---|--|
| Hepatocellular Carcinoma, Metastatic, Liver | |
|---|--|

| |
|------|
| Nose | + |
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| |
|-----------------|
| Hemangiosarcoma | |
|-----------------|

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|--------|--|--|--|--|--|--|--|--|---|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| Pleura | | | | | | | | | + | | | | | | | | | | | | | | | | |
|--------|--|--|--|--|--|--|--|--|---|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|

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|--|--|--|--|--|--|--|--|--|---|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| Alveolar/Bronchiolar Carcinoma, Metastatic, Lung | | | | | | | | | X | | | | | | | | | | | | | | | | |
|--|--|--|--|--|--|--|--|--|---|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|

| |
|---------|
| Trachea | + |
|---------|

* .. 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

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

SPECIAL SENSES SYSTEM

| |
|-----------------|
| Eye | + |
| Harderian Gland | + |
| Carcinoma | | | | | | | | | | | | | | X | | | | | | | | | | |

URINARY SYSTEM

| |
|------------------------------------|
| Kidney | + |
| Urinary Bladder | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | I | + | + | + | + | + | + | + |
| Transitional Epithelium, Carcinoma | | | | | | | | | | | | | | | | | | X | | | | | | |

SYSTEMIC LESIONS

| |
|---------------------|
| Multiple Organ | + |
| Histiocytic Sarcoma | X | X | |
| Lymphoma Malignant | | | | | X | | | | | | X | | | | | | | | X | | | | | |

* .. 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. 96011 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

CUMENE

CAS Number: 98-82-8

Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Requested: 02/27/2006

Time Report Requested: 15:28:27

First Dose M/F: 06/11/01 / 06/11/01

Lab: BNW

| | | |
|-------------------------------|---|-----------------------|
| B6C3F1 MICE FEMALE
250 PPM | DAY ON TEST | 7
3
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| * TOTALS | | |

ALIMENTARY SYSTEM

| | |
|------------------------------------|----|
| Esophagus | + | 50 |
| Gallbladder | + | + | + | + | + | M | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | 44 |
| Intestine Large, Cecum | + | 49 |
| Intestine Large, Colon | + | 50 |
| Intestine Large, Rectum | + | 50 |
| Intestine Small, Duodenum | + | 49 |
| Intestine Small, Ileum | + | 49 |
| Intestine Small, Jejunum | + | 49 |
| Liver | + | 50 |
| Hepatoblastoma | 1 |
| Hepatocellular Adenoma | | | | X | | | | | | X | | X | | X | X | | X | X | X | X | | | | 18 |
| Hepatocellular Adenoma, Multiple | X | | | | | X | | | | | | | X | | X | | | | | | | | | 9 |
| Hepatocellular Carcinoma | | | | | | | | | X | | | | | | | | | X | | | | | | 4 |
| Hepatocellular Carcinoma, Multiple | | | | | | 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

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

| | | |
|-------------------------|---|----|
| Mesentery | + | 11 |
| Hemangiosarcoma | | 1 |
| Pancreas | + | 50 |
| Salivary Glands | + | 50 |
| Stomach, Forestomach | + | 50 |
| Squamous Cell Papilloma | X | 2 |
| Stomach, Glandular | + | 50 |

CARDIOVASCULAR SYSTEM

| | | |
|--------------|---|----|
| Blood Vessel | + | 3 |
| Heart | + | 50 |

ENDOCRINE SYSTEM

| | | |
|----------------------------|---|----|
| Adrenal Cortex | + | 50 |
| Adrenal Medulla | + | 50 |
| Pheochromocytoma Malignant | | 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

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

| | | |
|--------------------------|---|---|
| Bilateral, Polyp Stromal | X | 1 |
| Endometrium, Carcinoma | X | 1 |

HEMATOPOIETIC SYSTEM

| | |
|---|----|
| Bone Marrow | + | 50 |
| Hemangiosarcoma | | | | | | | | | | | | | | X | | | | | | | X | | | | 2 |
| Lymph Node | | | | | | | | | | + | | | | | | | | | | | + | | | | 5 |
| Axillary, Hemangiosarcoma, Metastatic, Spleen | | | | | | | | | | X | | | | | | | | | | | | | | | 1 |
| Renal, Alveolar/Bronchiolar Carcinoma, Metastatic, Lung | | 1 |
| Lymph Node, Bronchial | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | 40 |
| Lymph Node, Mandibular | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | M | M | + |
| Lymph Node, Mediastinal | + | + | + | M | + | + | + | + | + | + | + | + | + | + | M | M | + | + | + | + | M | + | M | + | 42 |
| Alveolar/Bronchiolar Carcinoma, Metastatic, Lung | 1 |
| Lymph Node, Mesenteric | + | 48 |
| Spleen | + | 50 |

* .. 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

| | | | |
|--------------------------------------|---|-----------------------|----|
| B6C3F1 MICE FEMALE
250 PPM | DAY ON TEST | 7
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| | ANIMAL ID | 0
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| | * TOTALS | |
| | Hemangiosarcoma | X | | | | | | | | | | | | X | | | | | | | | | | | | 3 | |
| | Thymus | + | 48 |
| | INTEGUMENTARY SYSTEM | |
| | Mammary Gland | + | 50 |
| | Skin | + | 50 |
| | Basal Cell Carcinoma | 1 | |
| | Subcutaneous Tissue, Fibrous Histiocytoma | 1 | |
| Subcutaneous Tissue, Hemangiosarcoma | | | | | | | | | | | | | | | | X | | | | | | | | | | | 1 |
| Subcutaneous Tissue, Sarcoma | | | | | | | | | | | | | | | | X | | | | | | | | | | | 1 |
| MUSCULOSKELETAL SYSTEM | | | |
| Bone | + | + | 50 | |
| Hemangiosarcoma | | | | | | | | | | | | | | | | | | | | | X | | | | | | 1 |
| Skeletal Muscle | | | | | | | | | | | | | | | | | | | + | | 1 | | | | | | |
| Hemangiosarcoma | | | | | | | | | | | | | | | | | | | X | | 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

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

SPECIAL SENSES SYSTEM

| | |
|-----------------|----|
| Eye | + | 50 |
| Harderian Gland | + | 50 |
| Carcinoma | 1 |

URINARY SYSTEM

| | |
|------------------------------------|----|
| Kidney | + | 50 |
| Urinary Bladder | + | 49 |
| Transitional Epithelium, Carcinoma | | 1 |

SYSTEMIC LESIONS

| | |
|---------------------|----|
| Multiple Organ | + | 50 |
| Histiocytic Sarcoma | | 2 |
| Lymphoma Malignant | | | | | X | | | | | | | | X | | | | | | | | X | | | | 6 |

* .. 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. 96011 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

CUMENE

CAS Number: 98-82-8

Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Requested: 02/27/2006

Time Report Requested: 15:28:27

First Dose M/F: 06/11/01 / 06/11/01

Lab: BNW

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

females
(cont...)

ALIMENTARY SYSTEM

| |
|----------------------------------|
| Esophagus | + |
| Squamous Cell Carcinoma | X |
| Gallbladder | + | + | A | A | + | A | + | + | + | + | + | + | + | M | + | M | + | M | + | + | + | + | + |
| Intestine Large, Cecum | + | + | A | A | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Large, Colon | + | + | + | A | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Large, Rectum | + | + | + | A | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Small, Duodenum | + | + | + | A | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Small, Ileum | + | + | A | A | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Small, Jejunum | + | + | A | A | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Liver | + |
| Hepatocellular Adenoma | | | | X | | X | | X | X | X | X | | | X | | | | | | X | | | X |
| Hepatocellular Adenoma, Multiple | | | X | | | | X | | | | | | | X | | | X | | | X | | | X |
| Hepatocellular Carcinoma | | | | | | | | | | | | X | X | | | | | X | X | X | | X | |
| Ito Cell Tumor Benign | | | | | X | | | | | | | | | | | | | | | | | | |

* .. 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

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

| | | |
|-------------------------|--|---|
| Mesentery | | | | | + | | | + | | | | | + | + | | | | | | + | | | + | + |
| Pancreas | | + |
| Salivary Glands | | + |
| Stomach, Forestomach | | + |
| Squamous Cell Papilloma | | X | | |
| Stomach, Glandular | | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |

CARDIOVASCULAR SYSTEM

| | | |
|--|--|---|
| Blood Vessel | | |
| Heart | | + |
| Alveolar/Bronchiolar Carcinoma, Metastatic, Lung | | X | |
| Carcinoma, Metastatic, Uncertain Primary Site | | |

ENDOCRINE SYSTEM

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

* .. 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

| | | | |
|----------------------------------|-------------|-----------------------|---|
| B6C3F1 MICE FEMALE
500 PPM | DAY ON TEST | 5
1
3 | 5
6
5 | 6
6
2 | 6
7
2 | 6
7
7 | 6
7
9 | 6
8
7 | 6
9
1 | 7
0
1 | 7
0
2 | 7
0
2 | 7
1
2 | 7
1
1 | 7
1
1 | 7
2
6 | 7
3
1 | 7
3
1 | 7
3
1 | 7
3
1 | 7
3
1 | 7
3
1 | 7
3
1 | 7
3
1 | 7
3
1 | |
| | ANIMAL ID | 0
0
7
0
2 | 0
0
7
4
7 | 0
0
7
3
4 | 0
0
7
4
2 | 0
0
7
7
5 | 0
0
7
7
3 | 0
0
7
7
0 | 0
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7
7
7 | 0
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7
7
2 | 0
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7
7
1 | 0
0
7
7
3 | 0
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7
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0 | 0
0
7
7
2 | 0
0
7
7
4 | 0
0
7
7
1 | 0
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7
7
0 | 0
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7
7
0 | 0
0
7
7
0 | 0
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7
7
1 | 0
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7
1 | 0
0
7
7
3 | 0
0
7
7
1 | 0
0
7
7
3 | 0
0
7
7
3 | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| Adrenal Medulla | | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Pheochromocytoma Malignant | | X | |
| Islets, Pancreatic | | + | |
| Carcinoma | | X | |
| Parathyroid Gland | | M | M | + | + | M | + | I | + | + | M | + | + | M | I | + | M | + | + | M | M | + | M | M | + | M |
| Pituitary Gland | | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Pars Distalis, Adenoma | | X | |
| Thyroid Gland | | + | |
| Carcinoma, Metastatic, Uncertain | | | |
| Primary Site | | | |
| Follicular Cell, Adenoma | | | |

females
(cont...)

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

| |
|----------------------------------|
| Clitoral Gland | + | + | + | + | M | + | + | M | + | I | + | + | + | M | + | M | + | M | + | + | + | + | + | + |
| Ovary | + |
| Carcinoma, Metastatic, Uncertain | |

* .. 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. 96011 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

CUMENE

CAS Number: 98-82-8

Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Requested: 02/27/2006

Time Report Requested: 15:28:27

First Dose M/F: 06/11/01 / 06/11/01

Lab: BNW

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

females
(cont...)

Primary Site

Cystadenoma

Uterus

Polyp Stromal

HEMATOPOIETIC SYSTEM

Bone Marrow

Lymph Node

Lymph Node, Bronchial

Alveolar/Bronchiolar Carcinoma,
Metastatic, Lung

Lymph Node, Mandibular

Lymph Node, Mediastinal

Alveolar/Bronchiolar Carcinoma,
Metastatic, Lung

Lymph Node, Mesenteric

Carcinoma, Metastatic, Uncertain
Primary Site

* .. 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

| | | DAY ON TEST | | females
(cont..) |
|---|--|---------------------|
| | | 5
1
3 | 5
6
5 | 6
6
2 | 6
7
2 | 6
7
7 | 6
7
9 | 6
8
7 | 6
9
1 | 7
0
1 | 7
0
2 | 7
0
2 | 7
1
2 | 7
1
1 | 7
1
8 | 7
2
6 | 7
3
1 | 7
3
1 | 7
3
1 | 7
3
1 | 7
3
1 | 7
3
1 | 7
3
1 | 7
3
1 | 7
3
1 | |
| | | | |
| B6C3F1 MICE FEMALE | | 0
0
7
0
2 | 0
0
7
4
7 | 0
0
7
3
4 | 0
0
7
4
2 | 0
0
7
1
5 | 0
0
7
2
3 | 0
0
7
5
0 | 0
0
7
3
7 | 0
0
7
2
7 | 0
0
7
1
0 | 0
0
7
3
8 | 0
0
7
0
9 | 0
0
7
2
2 | 0
0
7
4
6 | 0
0
7
1
7 | 0
0
7
0
1 | 0
0
7
0
4 | 0
0
7
0
5 | 0
0
7
0
6 | 0
0
7
0
8 | 0
0
7
1
1 | 0
0
7
1
8 | 0
0
7
3
0 | 0
0
7
3
1 | |
| 500 PPM | | ANIMAL ID | |
| | | | |
| Spleen | | + | |
| Hemangiosarcoma | | | |
| Thymus | | + | M | + | + | + | |
| Alveolar/Bronchiolar Carcinoma,
Metastatic, Lung | | X | |
| | | |
| INTEGUMENTARY SYSTEM | | |
| | | | |
| Mammary Gland | | + | |
| Fibroadenoma | | | |
| Skin | | + | |
| Subcutaneous Tissue, Hemangioma | | | | | | | | | | | | | | | | | | | X | | | | | | | |
| Subcutaneous Tissue, Sarcoma | | | | | X | |
| | | |
| MUSCULOSKELETAL SYSTEM | | |
| | | | |
| Bone | | + | |
| | | |
| NERVOUS SYSTEM | | |
| | | | |
| Brain | | + | |
| Alveolar/Bronchiolar Carcinoma, | | | | | | | | | | | | 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. 96011 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

CUMENE

CAS Number: 98-82-8

Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Requested: 02/27/2006

Time Report Requested: 15:28:27

First Dose M/F: 06/11/01 / 06/11/01

Lab: BNW

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

females
(cont...)

Metastatic, Lung

RESPIRATORY SYSTEM

| | |
|---|---|
| Larynx | + |
| Squamous Cell Papilloma |
| Lung | + |
| Alveolar/Bronchiolar Adenoma |
| Alveolar/Bronchiolar Adenoma, Multiple | | | X | X | X | X | | | X | | X | | X | | X | | X | X | X | | X | | X | X |
| Alveolar/Bronchiolar Carcinoma | X | | | | | X | | X | | | | | | X | | X | | | | | X | X | | |
| Alveolar/Bronchiolar Carcinoma, Multiple | | | | X | | | | | X | X | X | X | | X | | | X | X | X | X | X | | | X |
| Carcinoma, Metastatic, Uncertain Primary Site |
| Hepatocellular Carcinoma, Metastatic, Liver |
| Mediastinum, Alveolar/Bronchiolar Carcinoma, Metastatic, Lung | X | |
| Nose | + |
| Hemangioma | |
| Pleura | + | |
| Alveolar/Bronchiolar Carcinoma, Metastatic, Lung | X | |

* .. 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

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

Carcinoma, Metastatic, Uncertain
Primary Site

Trachea +

SPECIAL SENSES SYSTEM

Eye + + + + + A + + + + + + + + + + + + + + + + + + +

Harderian Gland +

Adenoma X

Carcinoma X

URINARY SYSTEM

Kidney +

Alveolar/Bronchiolar Carcinoma, Metastatic, Lung X

Carcinoma, Metastatic, Uncertain
Primary Site

Urinary Bladder +

SYSTEMIC LESIONS

* .. 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

Page 112

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

| | |
|-------------------------|----|
| Mesentery | + | | 9 |
| Pancreas | + | 50 |
| Salivary Glands | + | 50 |
| Stomach, Forestomach | + | 50 |
| Squamous Cell Papilloma | | | | X | | | | | | | | | | | | | | | | | | | | 2 |
| Stomach, Glandular | + | 49 |

CARDIOVASCULAR SYSTEM

| | |
|--|----|
| Blood Vessel | + | | 2 |
| Heart | + | 50 |
| Alveolar/Bronchiolar Carcinoma, Metastatic, Lung | | 1 |
| Carcinoma, Metastatic, Uncertain Primary Site | | X | | 1 |

ENDOCRINE SYSTEM

| | |
|----------------|----|
| Adrenal Cortex | + | 49 |
|----------------|----|

* .. 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. 96011 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

CUMENE

CAS Number: 98-82-8

Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Requested: 02/27/2006

Time Report Requested: 15:28:27

First Dose M/F: 06/11/01 / 06/11/01

Lab: BNW

| B6C3F1 MICE FEMALE
500 PPM | DAY ON TEST | 7
3
1 | 7
3
1 | 7
3
1 | 7
3
1 | 7
3
2 | 7
3
2 | 7
3
2 | 7
3
2 | 7
3
2 | 7
3
2 | 7
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2 | 7
3
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3 | 7
3
3 | 7
3
3 | 7
3
3 | 7
3
3 | 7
3
3 | 7
3
3 | |
|----------------------------------|-------------|-----------------------|----|
| | ANIMAL ID | 0
0
7
3
5 | 0
0
7
4
1 | 0
0
7
4
4 | 0
0
7
4
8 | 0
0
7
0
7 | 0
0
7
1
2 | 0
0
7
1
3 | 0
0
7
1
9 | 0
0
7
2
1 | 0
0
7
2
4 | 0
0
7
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5 | 0
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7
2
6 | 0
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7
3
2 | 0
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6 | 0
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4
9 | 0
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7
4
3 | 0
0
7
4
5 | 0
0
7
0
9 | 0
0
7
1
3 | 0
0
7
1
4 | 0
0
7
2
6 | 0
0
7
2
0 | 0
0
7
2
8 | 0
0
7
2
9 | |
| | | | |
| | | | |
| Adrenal Medulla | | + | 49 |
| Pheochromocytoma Malignant | | | 1 |
| Islets, Pancreatic | | + | 50 |
| Carcinoma | | | 1 |
| Parathyroid Gland | | M | + | M | + | + | + | M | M | + | + | M | + | + | + | + | M | M | M | + | + | + | + | + | + | 29 |
| Pituitary Gland | | + | 48 |
| Pars Distalis, Adenoma | | | | | | | | X | | | | X | | | | X | | | | X | | | | X | X | 10 |
| Thyroid Gland | | + | 50 |
| Carcinoma, Metastatic, Uncertain | | | X | | 1 |
| Primary Site | | | |
| Follicular Cell, Adenoma | | | | | | | | | | | X | | | | | | | | | | | | | X | X | 3 |

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

| | |
|----------------------------------|----|
| Clitoral Gland | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | 42 |
| Ovary | + | 49 |
| Carcinoma, Metastatic, Uncertain | | X | | 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. 96011 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

CUMENE

CAS Number: 98-82-8

Pathologist: PIERCE, J. - GRUMBEIN, S.

Date Report Requested: 02/27/2006

Time Report Requested: 15:28:27

First Dose M/F: 06/11/01 / 06/11/01

Lab: BNW

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

| | |
|---------------|----|
| Primary Site | |
| Cystadenoma | | | | | | | | | | X | | X | | X | | | | | | | | | | 3 |
| Uterus | + | 50 |
| Polyp Stromal | | | | | | | | | | | | | | | | | | | X | | | | | 2 |

HEMATOPOIETIC SYSTEM

| | |
|--|----|
| Bone Marrow | + | 50 |
| Lymph Node | | | | | + | | | | | | | | | | | | | | | | | + | | 5 |
| Lymph Node, Bronchial | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | 46 |
| Alveolar/Bronchiolar Carcinoma, Metastatic, Lung | | | X | | 1 |
| Lymph Node, Mandibular | + | + | M | + | + | + | + | + | + | + | + | M | + | + | + | + | M | + | + | + | + | M | + | 42 |
| Lymph Node, Mediastinal | M | + | + | M | + | + | M | + | + | + | M | M | M | + | + | + | M | + | + | + | + | M | M | 40 |
| Alveolar/Bronchiolar Carcinoma, Metastatic, Lung | | 2 |
| Lymph Node, Mesenteric | + | I | + | 48 |
| Carcinoma, Metastatic, Uncertain Primary Site | | | X | | 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. 96011 - 06

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First Dose M/F: 06/11/01 / 06/11/01

Lab: BNW

| | | DAY ON TEST | |
|-----------------------------------|-----------|-----------------------|
| | | 7
3
1 | 7
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3 | 7
3
3 | 7
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3 | 7
3
3 | 7
3
3 | 7
3
3 | |
| B6C3F1 MICE FEMALE

500 PPM | ANIMAL ID | |
| | | 0
0
7
3
5 | 0
0
7
4
1 | 0
0
7
4
4 | 0
0
7
4
8 | 0
0
7
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7 | 0
0
7
1
2 | 0
0
7
1
3 | 0
0
7
1
9 | 0
0
7
2
1 | 0
0
7
2
4 | 0
0
7
2
5 | 0
0
7
2
6 | 0
0
7
3
2 | 0
0
7
3
6 | 0
0
7
3
9 | 0
0
7
4
3 | 0
0
7
4
5 | 0
0
7
4
9 | 0
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7
0
3 | 0
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7
1
4 | 0
0
7
1
6 | 0
0
7
2
0 | 0
0
7
2
8 | 0
0
7
2
9 |
| | | |
| | | * TOTALS | |

Metastatic, Lung

RESPIRATORY SYSTEM

| | |
|---|----|
| Larynx | + | 50 |
| Squamous Cell Papilloma | 1 |
| Lung | + | 50 |
| Alveolar/Bronchiolar Adenoma | | | X | | | | | | | X | X | | | | | X | | | | | | | | | 8 |
| Alveolar/Bronchiolar Adenoma, Multiple | X | X | | X | X | X | | | X | | | X | X | | X | | | X | X | X | X | X | X | X | 30 |
| Alveolar/Bronchiolar Carcinoma | | X | | | | | | | | X | X | X | | | | | | X | X | X | | | | X | 15 |
| Alveolar/Bronchiolar Carcinoma, Multiple | | | X | | | | | X | | | | | | X | | X | | | | X | X | | X | | 19 |
| Carcinoma, Metastatic, Uncertain Primary Site | | X | | 1 |
| Hepatocellular Carcinoma, Metastatic, Liver | | | | | | | | | | | | X | | | | | | X | | | | | | | 3 |
| Mediastinum, Alveolar/Bronchiolar Carcinoma, Metastatic, Lung | | 1 |
| Nose | + | 50 |
| Hemangioma | | | | | | | | | | | | X | | | | | | | | | | | | | 1 |
| Pleura | | + | | 2 |
| Alveolar/Bronchiolar Carcinoma, Metastatic, Lung | 1 |

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

+ .. Tissue examined microscopically

x .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

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BLANK .. Not examined microscopically

TDMS No. 96011 - 06

Test Type: CHRONIC

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Lab: BNW

| | | | | | |
|---|---|---|-----------------------|----|----|
| B6C3F1 MICE FEMALE
500 PPM | DAY ON TEST | 7
3
1 | 7
3
1 | 7
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1 | 7
3
2 | 7
3
2 | 7
3
2 | 7
3
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3 | | |
| | ANIMAL ID | 0
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0
7
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7 | 0
0
7
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2 | 0
0
7
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3 | 0
0
7
1
9 | 0
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7
2
1 | 0
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7
2
4 | 0
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7
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5 | 0
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7
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6 | 0
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1
6 | 0
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2
0 | 0
0
7
2
8 | 0
0
7
2
9 | 0
0
7
4
0 | | |
| | * TOTALS | | | | |
| | Carcinoma, Metastatic, Uncertain
Primary Site | X | | | 1 |
| | Trachea | + | | | 50 |
| | SPECIAL SENSES SYSTEM | | | | |
| | Eye | + | | | 49 |
| | Harderian Gland | + | | | 50 |
| | Adenoma | X | | | 2 |
| | Carcinoma | X | | | | | | | | | | | | | | | | | X | | | | | | | 5 |
| URINARY SYSTEM | | | | | |
| Kidney | + | | | 50 | |
| Alveolar/Bronchiolar Carcinoma,
Metastatic, Lung | | | | 1 | |
| Carcinoma, Metastatic, Uncertain
Primary Site | X | | | 1 | |
| Urinary Bladder | + + + + + + + + + + + + + + + + + + + + + + | | | 48 | |

* .. 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

| | | | |
|-------------------------------|-------------|----------|----|
| B6C3F1 MICE FEMALE
500 PPM | DAY ON TEST | 7 | 7 | |
| | | 3 | 3 | |
| | | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | |
| | ANIMAL ID | 0 | 0 | |
| | | 0 | 0 | |
| | | 7 | 7 | |
| | | 3 | 4 | 4 | 4 | 0 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 4 | 4 | 4 | 0 | 1 | 1 | 2 | 2 | 2 | 4 |
| | | 5 | 1 | 4 | 8 | 7 | 2 | 3 | 9 | 1 | 4 | 5 | 6 | 2 | 6 | 9 | 3 | 5 | 9 | 3 | 4 | 6 | 0 | 8 | 9 | 0 |
| | | * TOTALS | |
| Multiple Organ | | + | + | 50 |
| Lymphoma Malignant | | | | | | X | | | X | | X | | | | | X | | | | | | | | | | 12 |

*** END OF REPORT ***

* .. 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