

TDMS No. 95011 - 06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
5-(HYDROXYMETHYL)-2-FURFURAL
CAS Number: 67-47-0
Pathologist: TOFT, J. - Blackshear, P.
F1_M3

Date Report Reqsted: 11/10/2006
Time Report Reqsted: 09:06:29
First Dose M/F: 08/09/01 / 08/08/01
Lab: BAT

C Number: C95011B
Lock Date: 03/11/2004
Cage Range: ALL
Date Range: ALL
Reasons For Removal: 25021 TSAC
25018 DACC
Removal Date Range: ALL
Treatment Groups: Include ALL

25020 NATD

25019 MSAC

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

ALIMENTARY SYSTEM

Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Gallbladder	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+
Intestine Large, Cecum Carcinoma	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
				X																			
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Small, Duodenum Carcinoma	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
																					X		
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hemangiosarcoma							X																
Hepatoblastoma																							
Hepatocellular Adenoma		X		X						X			X		X	X		X		X	X		
Hepatocellular Adenoma, Multiple			X		X				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
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	ANIMAL ID	0 0 0 0 1	0 0 0 0 2	0 0 0 0 3	0 0 0 0 4	0 0 0 0 5	0 0 0 0 6	0 0 0 0 7	0 0 0 0 8	0 0 0 0 9	0 0 0 0 0	0 0 0 0 1	0 0 0 0 1	0 0 0 0 2	0 0 0 0 3	0 0 0 0 4	0 0 0 0 5	0 0 0 0 6	0 0 0 0 7	0 0 0 0 8	0 0 0 0 9	0 0 0 0 0	0 0 0 0 1	0 0 0 0 2		0 0 0 0 3	0 0 0 0 4	0 0 0 0 5

Hepatocellular Carcinoma	X		X		X											X								
Hepatocellular Carcinoma, Multiple		X						X							X									
Lymphoma Malignant												X												
Mesentery																								
Lymphoma Malignant												X												
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymphoma Malignant												X												
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Squamous Cell Papilloma			X												X									
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Tooth		+					+					+			+									

CARDIOVASCULAR SYSTEM

Blood Vessel																								
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

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		2	8	2	2	2	3	3	9	3	2	1	2	3	2	2	2	2	2	2	2	0	2	2	2
		4	0	9	8	9	0	0	2	0	8	3	9	0	5	8	9	8	8	8	9	7	2	8	9
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2
		1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4
Epididymis		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymphoma Malignant												X													
Preputial Gland		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Prostate		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymphoma Malignant												X													
Seminal Vesicle		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Testes		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

males
(cont...)

HEMATOPOIETIC SYSTEM

Bone Marrow

Lymph Node

Inguinal, Lymphoma Malignant

Lumbar, Lymphoma Malignant

Mediastinal, Alveolar/Bronchiolar
 Carcinoma, Metastatic, Lung

Mediastinal, Lymphoma Malignant

Pancreatic, Lymphoma Malignant

Renal, Lymphoma Malignant

Thoracic, Lymphoma Malignant

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	ANIMAL ID	0 0 0 0 1	0 0 0 0 2	0 0 0 0 3	0 0 0 0 4	0 0 0 0 5	0 0 0 0 6	0 0 0 0 7	0 0 0 0 8	0 0 0 0 9	0 0 0 0 0	0 0 0 0 1	0 0 0 0 1	0 0 0 0 2	0 0 0 0 3	0 0 0 0 4	0 0 0 0 5	0 0 0 0 6	0 0 0 0 7	0 0 0 0 8	0 0 0 0 9	0 0 0 0 0	0 0 0 0 1	0 0 0 0 2		0 0 0 0 3	0 0 0 0 4	0 0 0 0 5

Lymph Node, Mandibular
 Lymphoma Malignant

.....
 +
 X

Lymph Node, Mesenteric
 Carcinoma, Metastatic, Intestine Large, Cecum
 Hepatocellular Carcinoma, Metastatic, Liver
 Lymphoma Malignant

.....
 +
 X
 X
 X

Spleen
 Hemangiosarcoma
 Lymphoma Malignant

.....
 +
 X
 X X

Thymus
 Alveolar/Bronchiolar Carcinoma, Metastatic, Lung
 Lymphoma Malignant

.....
 + + + + + + + + M M + + + + M + + + + + + + + +
 X

INTEGUMENTARY SYSTEM

Mammary Gland

.....
 M

Skin

.....
 +

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

males
(cont...)

Serosa, Alveolar/Bronchiolar Carcinoma,
 Metastatic, Lung

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

SPECIAL SENSES SYSTEM

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

URINARY SYSTEM

| | |
|---|---|
| Kidney | + |
| Alveolar/Bronchiolar Carcinoma,
Metastatic, Lung | |
| Lymphoma Malignant | | | | | | | | | | | X | | | | | | | | | | | | | |
| Renal Tubule, Adenoma |
| Urinary Bladder | + |

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

SYSTEMIC LESIONS

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

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

| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|------------------------------------|---|--|--|--|--|--|--|---|--|---|--|---|--|---|--|--|--|--|--|---|--|--|--|---|--|--|----|
| Hepatocellular Carcinoma | X | | | | | | | | | | | | | | | | | | | | | | | | | | 5 |
| Hepatocellular Carcinoma, Multiple | | | | | | | | X | | X | | | | | | | | | | X | | | | | | | 6 |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Mesentery | | | | | | | | | | | | + | | + | | | | | | | | | | + | | | 4 |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Pancreas | | | | | | | | | | | | | | | | | | | | | | | | | | | 50 |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Salivary Glands | | | | | | | | | | | | | | | | | | | | | | | | | | | 50 |
| Stomach, Forestomach | | | | | | | | | | | | | | | | | | | | | | | | | | | 50 |
| Squamous Cell Papilloma | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 |
| Stomach, Glandular | | | | | | | | | | | | | | | | | | | | | | | | | | | 50 |
| Tooth | | | | | | | | | | | | | | | | | | | | | | | | | | | 12 |

CARDIOVASCULAR SYSTEM

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

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

ENDOCRINE SYSTEM

| | |
|------------------------------------|----|
| Adrenal Cortex | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | 49 |
| Lymphoma Malignant |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 |
| Subcapsular, Adenoma | | | | | | | | | X | | | | | | | | X | | X | | | X | | X | | 5 |
| Adrenal Medulla | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | 49 |
| Lymphoma Malignant |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 |
| Islets, Pancreatic | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Parathyroid Gland | + | + | + | + | M | M | + | + | + | M | + | + | + | M | + | + | + | + | + | M | M | + | + | + | + | 41 |
| Pituitary Gland | M | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| Thyroid Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Follicular Cell, Adenoma |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | X | | | | | 1 |
| Follicular Cell, Adenoma, Multiple | | | | | | X | | | | | | | | | | | | | | | | | | | | 1 |

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

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

+ .. Tissue examined microscopically

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First Dose M/F: 08/09/01 / 08/08/01
Lab: BAT

| B6C3F1 MICE MALE
0 MG/KG | DAY ON TEST | 7
2
9 | 7
2
9 | 7
2
9 | 5
8
8 | 7
2
9 | 7
3
0 | 6
9
9 | 7
2
9 | 6
5
1 | 7
2
9 | 7
2
9 | 7
3
0 | 7
3
0 | 7
2
9 | 7
3
0 | 7
2
8 | 7
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0 | 7
3
0 | 7
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0 | 7
2
9 | 7
2
9 | 7
3
0 | 7
2
9 | 7
3
0 | 7
3
0 | |
|-----------------------------|--------------------|----|
| | ANIMAL ID | 0
0
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2
6 | 0
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7 | 0
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8 | 0
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9 | 0
0
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9 | 0
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1 | 0
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4
2 | 0
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3 | 0
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4 | 0
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6 | 0
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7 | 0
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4
8 | 0
0
0
4
9 | 0
0
0
5
0 | |
| | * TOTALS | | |
| | Epididymis | + | 50 |
| | Lymphoma Malignant | | |
| Preputial Gland | + | + | 50 |
| Prostate | + | + | 50 |
| Lymphoma Malignant | | | 1 |
| Seminal Vesicle | + | + | 50 |
| Testes | + | + | 50 |

HEMATOPOIETIC SYSTEM

| | |
|---|----|
| Bone Marrow | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Lymph Node |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 4 |
| Inguinal, Lymphoma Malignant |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 |
| Lumbar, Lymphoma Malignant |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 |
| Mediastinal, Alveolar/Bronchiolar Carcinoma, Metastatic, Lung |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 |
| Mediastinal, Lymphoma Malignant |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 |
| Pancreatic, Lymphoma Malignant |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 |
| Renal, Lymphoma Malignant |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 |
| Thoracic, 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. 95011 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 5-(HYDROXYMETHYL)-2-FURFURAL
 CAS Number: 67-47-0
 Pathologist: TOFT, J. - Blackshear, P.

Date Report Reqsted: 11/10/2006
 Time Report Reqsted: 09:06:29
 First Dose M/F: 08/09/01 / 08/08/01
 Lab: BAT

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

| | |
|--|----|
| Lymph Node, Mandibular | + | + | + | M | + | 49 |
| Lymphoma Malignant | 1 |
| Lymph Node, Mesenteric | + | 50 |
| Carcinoma, Metastatic, Intestine Large, Cecum |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 |
| Hepatocellular Carcinoma, Metastatic, Liver | | | | | | | | | | X | | | | | | | | | | | | | | | | | 1 |
| Lymphoma Malignant |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 |
| Spleen | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Hemangiosarcoma |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 |
| Lymphoma Malignant |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 2 |
| Thymus | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | M | + | + | + | + | M | + | + | + | M | + | 43 |
| Alveolar/Bronchiolar Carcinoma, Metastatic, Lung | | | | | | | | | | X | | | | | | | | | | | | | | | | | 1 |
| Lymphoma Malignant |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 |

INTEGUMENTARY SYSTEM

| | |
|---------------|----|
| Mammary Gland | M | 0 |
| Skin | + | 50 |

* .. 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

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 Lab: BAT

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

MUSCULOSKELETAL SYSTEM

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

NERVOUS SYSTEM

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

RESPIRATORY SYSTEM

| | |
|--|----|
| Lung | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Alveolar/Bronchiolar Adenoma | | | | | | X | X | | | | | X | | | | | | | | | | | | X | | 10 |
| Alveolar/Bronchiolar Carcinoma | X | | | | | | | | X | | | | | | X | | | | | | | | X | | | 7 |
| Carcinoma, Metastatic, Harderian Gland | | | | | | | | | | | | | | | | | X | | | | | | | | | 1 |
| Hepatocellular Carcinoma, Metastatic,
Liver | | | | | | | X | | X | | | | | | | | | | X | | | | | | | 6 |
| Lymphoma Malignant |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 |
| Mediastinum, Alveolar/Bronchiolar
Carcinoma, Metastatic, Lung | | | | | | | | | 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

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Date Report Reqsted: 11/10/2006
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 First Dose M/F: 08/09/01 / 08/08/01
 Lab: BAT

| | DAY ON TEST | 7 | 7 | 7 | 5 | 7 | 7 | 6 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | |
|--|-------------|----------|----|
| | | 2 | 2 | 2 | 8 | 2 | 3 | 9 | 2 | 5 | 2 | 2 | 3 | 3 | 3 | 2 | 3 | 2 | 3 | 3 | 3 | 2 | 2 | 3 | 2 | 3 | | |
| | | 9 | 9 | 9 | 8 | 9 | 0 | 9 | 9 | 1 | 9 | 9 | 0 | 0 | 0 | 9 | 0 | 8 | 0 | 0 | 0 | 9 | 9 | 0 | 9 | 0 | | |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| B6C3F1 MICE MALE | ANIMAL ID | 0 | | |
| | | 0 | | |
| 0 MG/KG | | 0 | | |
| | | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | | |
| | | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | | |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | * TOTALS | |
| Serosa, Alveolar/Bronchiolar Carcinoma, Metastatic, Lung |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 |
| Nose |  | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |  | 50 |
| Trachea |  | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |  | 50 |
| SPECIAL SENSES SYSTEM | | | |
| Eye |  | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |  | 50 |
| Harderian Gland |  | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |  | 50 |
| Adenoma | | | X | | | | X | X | | | | | | | | X | | | | X | | X | | | | | | 11 |
| Carcinoma | | | | | | | | | | | | | | | | | | | | X | | | | | | | | 3 |
| URINARY SYSTEM | | | |
| Kidney |  | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |  | 50 |
| Alveolar/Bronchiolar Carcinoma, Metastatic, Lung | | | | | | | | | | | X | | | | | | | | | | | | | | | | | 1 |
| Lymphoma Malignant |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 |
| Renal Tubule, Adenoma | | | | | | | | | | | | | | | | | X | | | | | | | | | | | 1 |
| Urinary Bladder |  | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |  | 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. 95011 - 06
Test Type: CHRONIC
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Lab: BAT

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

SYSTEMIC LESIONS

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

TDMS No. 95011 - 06
 Test Type: CHRONIC
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P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 5-(HYDROXYMETHYL)-2-FURFURAL
 CAS Number: 67-47-0
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 Time Report Requested: 09:06:29
 First Dose M/F: 08/09/01 / 08/08/01
 Lab: BAT

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

males
(cont...)

ALIMENTARY SYSTEM

| | |
|--|---|
| Esophagus | + |
| Gallbladder | + |
| Intestine Large, Cecum | + |
| Intestine Large, Colon | + |
| Leiomyosarcoma |
| Intestine Large, Rectum | + |
| Intestine Small, Duodenum | + |
| Leiomyosarcoma, Metastatic, Intestine Large, Colon | |
| Intestine Small, Ileum | + |
| Intestine Small, Jejunum | + |
| Liver | + |
| Hepatoblastoma |
| Hepatocellular Adenoma | | | X | | X | | | X | | | | X | | | | | | X | | | | | | | |
| Hepatocellular Adenoma, Multiple | X | | X | | X | | | | | X | | | 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

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 Lab: BAT

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

males
(cont...)

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|--|--|--|---|---|--|--|--|--|--|--|--|--|--|--|--|--|--|---|--|--|--|---|---|---|
| Hepatocellular Carcinoma | | | | X | X | | | | | | | | | | | | | | | | | | X | | |
| Hepatocellular Carcinoma, Multiple | | | | | | | | | | | | | | | | | | | | | | | | | X |
| Hepatocholangiocarcinoma | | | | | | | | | | | | | | | | | | | X | | | | | | |
| Leiomyosarcoma, Metastatic, Intestine Large, Colon | | | | | | | | | | | | | | | | | | | | | | | | X | |
| Mesentery | | | | | | | | | | | | | | | | | | | | | | | | | |
| Leiomyosarcoma, Metastatic, Intestine Large, Colon | | | | | | | | | | | | | | | | | | | | | | | | | X |
| Pancreas | | | | | | | | | | | | | | | | | | | | | | | | | |
| Salivary Glands | | | | | | | | | | | | | | | | | | | | | | | | | |
| Stomach, Forestomach | | | | | | | | | | | | | | | | | | | | | | | | | |
| Stomach, Glandular | | | | | | | | | | | | | | | | | | | | | | | | | |
| Tooth | | | | | | | | | | | | | | | | | | | | | | | | | |
| Odontoma | | | | | | | | | | | | | | | | | | | | | | | | | |

CARDIOVASCULAR SYSTEM

| |
|--------------|
| Blood Vessel | |
| |

* .. 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. 95011 - 06
Test Type: CHRONIC
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First Dose M/F: 08/09/01 / 08/08/01
Lab: BAT

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

| | |
|--|---|
| Heart | + | + | + | + | M | + |
| Leiomyosarcoma, Metastatic, Intestine Large, Colon | | X | |
| Liposarcoma, Metastatic, Uncertain Primary Site |

ENDOCRINE SYSTEM

| |
|--------------------------|
| Adrenal Cortex | + |
| Subcapsular, Adenoma |
| Adrenal Medulla | + |
| Islets, Pancreatic | + |
| Parathyroid Gland | + |
| Pituitary Gland | + |
| Thyroid Gland | + |
| Follicular Cell, Adenoma |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | X | |

GENERAL BODY SYSTEM

NONE

* .. 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. 95011 - 06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
5-(HYDROXYMETHYL)-2-FURFURAL
CAS Number: 67-47-0
Pathologist: TOFT, J. - Blackshear, P.

Date Report Reqsted: 11/10/2006
Time Report Reqsted: 09:06:29
First Dose M/F: 08/09/01 / 08/08/01
Lab: BAT

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

GENITAL SYSTEM

| | |
|--|---|
| Coagulating Gland |
| Leiomyosarcoma, Metastatic, Intestine Large, Colon | |
| Epididymis | + |
| Leiomyosarcoma, Metastatic, Intestine Large, Colon | |
| Preputial Gland | + |
| Prostate | + |
| Seminal Vesicle | + |
| Leiomyosarcoma, Metastatic, Intestine Large, Colon | |
| Testes | + |
| Interstitial Cell, Adenoma |

HEMATOPOIETIC SYSTEM

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

* .. 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. 95011 - 06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
5-(HYDROXYMETHYL)-2-FURFURAL
CAS Number: 67-47-0
Pathologist: TOFT, J. - Blackshear, P.

Date Report Reqsted: 11/10/2006
Time Report Reqsted: 09:06:29
First Dose M/F: 08/09/01 / 08/08/01
Lab: BAT

| | | DAY ON TEST | | | | | | |
|--|--|-----------------------|--------------------|--|--|--|--|--|
| | | 7
2
8 | 7
2
9 | 6
6
8 | 7
2
8 | 7
2
9 | 7
2
9 | 4
4
6 | 7
2
9 | 7
2
9 | 7
2
3
0 | 7
2
8 | 5
5
5 | 7
2
9 | 6
2
9 | 7
2
8 | 7
3
0 | 7
2
8 | 7
2
9 | 5
5
1 | 7
3
0 | 7
3
0 | 7
3
0 | 6
0
3 | 5
1
8 | 7
3
0 | | | | | | |
| | | | | | | | | |
| B6C3F1 MICE MALE | | ANIMAL ID | | | | | | |
| 188 MG/KG | | 0
0
0
5
1 | 0
0
0
5
2 | 0
0
0
5
3 | 0
0
0
5
4 | 0
0
0
5
5 | 0
0
0
5
6 | 0
0
0
5
7 | 0
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5
8 | 0
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0
5
9 | 0
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5
0 | 0
0
0
6
1 | 0
0
0
6
2 | 0
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0
6
3 | 0
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6
4 | 0
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6
5 | 0
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6
6 | 0
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6
7 | 0
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0
6
8 | 0
0
0
6
9 | 0
0
0
7
0 | 0
0
0
7
1 | 0
0
0
7
2 | 0
0
0
7
3 | 0
0
0
7
4 | 0
0
0
7
5 | males
(cont...) | | | | | |
| Lymph Node | | | | | | | | | | | | | | | + | | | | | | | + | | | | | | | | | | |
| Mediastinal, Hepatocholangiocarcinoma, Metastatic, Liver | | | X | | | | | | | | | | |
| Mediastinal, Liposarcoma, Metastatic, Uncertain Primary Site | | | | | | | | | | | | | | | X | | | | | | | | | | | | | | | | | |
| Lymph Node, Mandibular | | + | + | | | | | |
| Lymphoma Malignant | | X | | | | | | |
| Lymph Node, Mesenteric | | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | | | | |
| Leiomyosarcoma, Metastatic, Intestine Large, Colon | | | X | | | | | |
| Lymphoma Malignant | | X | | | | | | |
| Spleen | | + | | | | | | |
| Leiomyosarcoma, Metastatic, Intestine Large, Colon | | | X | | | | | |
| Lymphoma Malignant | | X | | | | | | |
| Thymus | | M | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | | | | | | |
| Liposarcoma, Metastatic, Uncertain Primary Site | | | | | | | | | | | | | | | X | | | | | | | | | | | | | | | | | |

INTEGUMENTARY SYSTEM

| |
|---------------|
| Mammary Gland | M |
|---------------|

* .. 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. 95011 - 06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
5-(HYDROXYMETHYL)-2-FURFURAL
CAS Number: 67-47-0
Pathologist: TOFT, J. - Blackshear, P.

Date Report Reqsted: 11/10/2006
Time Report Reqsted: 09:06:29
First Dose M/F: 08/09/01 / 08/08/01
Lab: BAT

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

| | |
|--|---|
| Skin | + |
| Leiomyosarcoma, Metastatic, Intestine Large, Colon |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | X |
| Subcutaneous Tissue, Schwannoma Malignant |

MUSCULOSKELETAL SYSTEM

| | |
|--|---|
| Bone | + |
| Skeletal Muscle | | | | | | | | | | | | | | | + | | | | + | | | | | + | |
| Hepatocholangiocarcinoma, Metastatic, Liver | | | | | | | | | | | | | | | | | | | X | | | | | | |
| Leiomyosarcoma, Metastatic, Intestine Large, Colon |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | X | |
| Liposarcoma, Metastatic, Uncertain Primary Site | | | | | | | | | | | | | | | X | | | | | | | | | | |
| Schwannoma Malignant, Metastatic, Skin |

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

TDMS No. 95011 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 5-(HYDROXYMETHYL)-2-FURFURAL
 CAS Number: 67-47-0
 Pathologist: TOFT, J. - Blackshear, P.

Date Report Requested: 11/10/2006
 Time Report Requested: 09:06:29
 First Dose M/F: 08/09/01 / 08/08/01
 Lab: BAT

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

males
(cont...)

| | |
|---|---|
| Lung | + |
| Alveolar/Bronchiolar Adenoma |
| Alveolar/Bronchiolar Adenoma, Multiple | | | | | | | | | X | | | | | | | | | | | X | | | | | |
| Alveolar/Bronchiolar Carcinoma | | | | | | | | | | | | | | | X | | | | | | | | | | |
| Carcinoma, Metastatic, Harderian Gland |
| Hepatoblastoma, Metastatic, Liver | | | | | | | | | | | | | X | | | | | | | | | | | | |
| Hepatocellular Carcinoma, Metastatic, Liver |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | X | |
| Hepatocholangiocarcinoma, Metastatic, Liver | | | | | | | | | | | | | | | | | | X | | | | | | | |
| Leiomyosarcoma, Metastatic, Intestine Large, Colon |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | X | |
| Liposarcoma, Metastatic, Uncertain Primary Site | | | | | | | | | | | | | | | X | | | | | | | | | | |
| Mediastinum, Leiomyosarcoma, Metastatic, Intestine Large, Colon |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | X | |
| Mediastinum, Liposarcoma, Metastatic, Uncertain Primary Site | | | | | | | | | | | | | | | X | | | | | | | | | | |
| Nose | + |
| Trachea | + |

SPECIAL SENSES 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. 95011 - 06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
5-(HYDROXYMETHYL)-2-FURFURAL
CAS Number: 67-47-0
Pathologist: TOFT, J. - Blackshear, P.

Date Report Reqsted: 11/10/2006
Time Report Reqsted: 09:06:29
First Dose M/F: 08/09/01 / 08/08/01
Lab: BAT

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

| | |
|--|---|
| Eye | + |
| Carcinoma, Metastatic, Harderian Gland | |
| Harderian Gland | + |
| Adenoma | X | | | | | | | | X | | | | X | | | | | | | | | X | | | |
| Carcinoma |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | X | | | | |

URINARY SYSTEM

| | |
|--|---|
| Kidney | + |
| Leiomyosarcoma, Metastatic, Intestine Large, Colon |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | X | |
| Urinary Bladder | + |

SYSTEMIC LESIONS

| |
|--------------------|
| Multiple Organ | + |
| Lymphoma Malignant | | | | | | | 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. 95011 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 5-(HYDROXYMETHYL)-2-FURFURAL
 CAS Number: 67-47-0
 Pathologist: TOFT, J. - Blackshear, P.

Date Report Reqsted: 11/10/2006
 Time Report Reqsted: 09:06:29
 First Dose M/F: 08/09/01 / 08/08/01
 Lab: BAT

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

ALIMENTARY SYSTEM

| | |
|--|----|
| Esophagus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Gallbladder | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Intestine Large, Cecum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Intestine Large, Colon | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Leiomyosarcoma |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 |
| Intestine Large, Rectum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Intestine Small, Duodenum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Leiomyosarcoma, Metastatic, Intestine Large, Colon |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 |
| Intestine Small, Ileum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Intestine Small, Jejunum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Liver | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Hepatoblastoma | | | | | X | | X | | | X | | | | | | | | | | | | | | | | 4 |
| Hepatocellular Adenoma | | | | | X | | X | | | | | | | | | X | | | X | X | | | | | | 10 |
| Hepatocellular Adenoma, Multiple | X | X | X | | | | | | | X | | X | X | X | X | | | X | | | X | | | X | | 20 |

* .. 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. 95011 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 5-(HYDROXYMETHYL)-2-FURFURAL
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Date Report Reqsted: 11/10/2006
 Time Report Reqsted: 09:06:29
 First Dose M/F: 08/09/01 / 08/08/01
 Lab: BAT

| B6C3F1 MICE MALE
188 MG/KG | DAY ON TEST | 7
2
8 | 7
2
8 | 7
3
0 | 6
9
7 | 7
3
0 | 7
2
8 | 7
2
9 | 7
2
9 | 7
3
0 | 7
2
9 | 7
3
0 | 7
3
0 | 7
2
9 | 6
4
8 | 6
4
3 | 5
7
2 | 6
9
9 | 7
3
0 | 7
3
0 | 6
8
3 | 7
2
9 | 6
2
5 | 3
8
0 | 7
2
8 |
|--|-------------|-----------------------|
| | ANIMAL ID | 0
0
0
7
6 | 0
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0
7
7 | 0
0
0
7
8 | 0
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7
9 | 0
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2 | 0
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3 | 0
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3 | 0
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4 | 0
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0
9
7 | 0
0
0
9
8 | 0
0
0
9
9 | 0
0
0
0
0 |
| | | |
| | | |
| | | |
| Hepatocellular Carcinoma | | | | X | | | | X | | | | | | X | X | X | X | X | | | | | X | | 11 |
| Hepatocellular Carcinoma, Multiple | | | | | | | X | | | | | | | | | | | | | X | | | | | 3 |
| Hepatocholangiocarcinoma |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 |
| Leiomyosarcoma, Metastatic, Intestine Large, Colon |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 |
| Mesentery | | + | | | | | | | | + | | | | | | | | | | | | | | | 4 |
| Leiomyosarcoma, Metastatic, Intestine Large, Colon |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 |
| Pancreas |  | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Salivary Glands |  | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Stomach, Forestomach |  | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Stomach, Glandular |  | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Tooth | | | | | | | | | + | + | | | | + | | | | | | | | | | | 7 |
| Odontoma | | | | | | | | | X | | | | | X | | | | | | | | | | | 3 |

CARDIOVASCULAR SYSTEM

| | |
|--------------|---|
| Blood Vessel | 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. 95011 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 5-(HYDROXYMETHYL)-2-FURFURAL
 CAS Number: 67-47-0
 Pathologist: TOFT, J. - Blackshear, P.

Date Report Reqsted: 11/10/2006
 Time Report Reqsted: 09:06:29
 First Dose M/F: 08/09/01 / 08/08/01
 Lab: BAT

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

| | |
|--|----|
| Heart | + | 49 |
| Leiomyosarcoma, Metastatic, Intestine Large, Colon | | 1 |
| Liposarcoma, Metastatic, Uncertain Primary Site | 1 |

ENDOCRINE SYSTEM

| | |
|--------------------------|----|
| Adrenal Cortex | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Subcapsular, Adenoma | | | X | | | | | | | | | | X | | | | | | | | | | | | | 3 |
| Adrenal Medulla | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Islets, Pancreatic | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Parathyroid Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | M | + | + | + | + | + | + | 48 |
| Pituitary Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Thyroid Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Follicular Cell, Adenoma |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | X | | 2 |

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. 95011 - 06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
5-(HYDROXYMETHYL)-2-FURFURAL
CAS Number: 67-47-0
Pathologist: TOFT, J. - Blackshear, P.

Date Report Reqsted: 11/10/2006
Time Report Reqsted: 09:06:29
First Dose M/F: 08/09/01 / 08/08/01
Lab: BAT

| | | |
|-------------------------------|-------------|-----------------------|
| B6C3F1 MICE MALE
188 MG/KG | DAY ON TEST | 7
2
8 | 7
2
8 | 7
3
0 | 6
9
7 | 7
3
0 | 7
2
8 | 7
2
9 | 7
2
9 | 7
3
0 | 7
2
9 | 7
2
8 | 7
3
0 | 7
2
9 | 6
4
8 | 6
4
3 | 5
7
2 | 6
9
9 | 7
3
0 | 7
3
0 | 6
8
3 | 7
2
9 | 6
2
5 | 3
8
0 | 7
2
8 |
| | ANIMAL ID | 0
0
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6 | 0
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6 | 0
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7 | 0
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8 | 0
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9 |
| | * TOTALS | |

GENITAL SYSTEM

| | |
|--|----|
| Coagulating Gland | 2 |
| Leiomyosarcoma, Metastatic, Intestine Large, Colon | | 1 |
| Epididymis | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Leiomyosarcoma, Metastatic, Intestine Large, Colon |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 |
| Preputial Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Prostate | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Seminal Vesicle | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Leiomyosarcoma, Metastatic, Intestine Large, Colon |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 |
| Testes | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Interstitial Cell, Adenoma |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 |

HEMATOPOIETIC SYSTEM

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

TDMS No. 95011 - 06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
5-(HYDROXYMETHYL)-2-FURFURAL
CAS Number: 67-47-0
Pathologist: TOFT, J. - Blackshear, P.

Date Report Reqsted: 11/10/2006
Time Report Reqsted: 09:06:29
First Dose M/F: 08/09/01 / 08/08/01
Lab: BAT

| | | |
|-------------------------------|-------------|-----------------------|
| B6C3F1 MICE MALE
188 MG/KG | DAY ON TEST | 7
2
8 | 7
2
8 | 7
3
0 | 6
9
7 | 7
3
0 | 7
2
8 | 7
2
9 | 7
2
9 | 7
3
0 | 7
2
9 | 7
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8 | 7
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0 | 7
2
9 | 6
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8 | 6
4
3 | 5
7
2 | 6
9
9 | 7
3
0 | 7
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0 | 6
8
3 | 7
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9 | 6
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5 | 3
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0 | 7
2
8 |
| | ANIMAL ID | 0
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7 | 0
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8 | 0
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9 |
| | * TOTALS | |

| | |
|--|----|
| Skin | + | 50 |
| Leiomyosarcoma, Metastatic, Intestine Large, Colon | | 1 |
| Subcutaneous Tissue, Schwannoma Malignant | | | | | X | | 1 |

MUSCULOSKELETAL SYSTEM

| | |
|--|----|
| Bone | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Skeletal Muscle |  |  |  | + |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 4 |
| Hepatocholangiocarcinoma, Metastatic, Liver |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 |
| Leiomyosarcoma, Metastatic, Intestine Large, Colon |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 |
| Liposarcoma, Metastatic, Uncertain Primary Site |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 |
| Schwannoma Malignant, Metastatic, Skin | | | | | X |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 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. 95011 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 5-(HYDROXYMETHYL)-2-FURFURAL
 CAS Number: 67-47-0
 Pathologist: TOFT, J. - Blackshear, P.

Date Report Requested: 11/10/2006
 Time Report Requested: 09:06:29
 First Dose M/F: 08/09/01 / 08/08/01
 Lab: BAT

| | | |
|-------------------------------|-------------|----------|
| B6C3F1 MICE MALE
188 MG/KG | DAY ON TEST | 7
2
8 | 7
2
8 | 7
3
0 | 6
9
7 | 7
3
0 | 7
2
8 | 7
2
9 | 7
2
9 | 7
3
0 | 7
2
9 | 7
2
8 | 7
3
0 | 7
3
9 | 6
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9
9 | 7
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| | ANIMAL ID | 0
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8 | 0
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9
9 | * TOTALS |

| | |
|---|----|
| Lung | + | 50 |
| Alveolar/Bronchiolar Adenoma | | | | | | | X | X | | | | | X | | | | | | | | | | | | 3 |
| Alveolar/Bronchiolar Adenoma, Multiple | 2 |
| Alveolar/Bronchiolar Carcinoma |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 |
| Carcinoma, Metastatic, Harderian Gland | | | | | | | | | | X | | | | | | | | | | | | | | | 1 |
| Hepatoblastoma, Metastatic, Liver |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 |
| Hepatocellular Carcinoma, Metastatic, Liver | | | | | | | | | | | | | | X | X | | | | | X | | | | | 4 |
| Hepatocholangiocarcinoma, Metastatic, Liver |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 |
| Leiomyosarcoma, Metastatic, Intestine Large, Colon |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 |
| Liposarcoma, Metastatic, Uncertain Primary Site |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 |
| Mediastinum, Leiomyosarcoma, Metastatic, Intestine Large, Colon |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 |
| Mediastinum, Liposarcoma, Metastatic, Uncertain Primary Site |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 |
| Nose | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Trachea | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |

SPECIAL SENSES 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. 95011 - 06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
5-(HYDROXYMETHYL)-2-FURFURAL
CAS Number: 67-47-0
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Date Report Reqsted: 11/10/2006
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First Dose M/F: 08/09/01 / 08/08/01
Lab: BAT

| | | |
|-------------------------------|-------------|----------|
| B6C3F1 MICE MALE
188 MG/KG | DAY ON TEST | 7
2
8 | 7
2
8 | 7
3
0 | 6
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2
8 | 7
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9 | 7
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9 | 7
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8 | 7
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9 | 6
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5 | 3
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| | ANIMAL ID | 0
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8 | 0
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9
9 | * TOTALS |

| | |
|--|----|
| Eye | + | 50 |
| Carcinoma, Metastatic, Harderian Gland | | | | | | | | | | X | | | | | | | | | | | | | | | | 1 |
| Harderian Gland | + | 50 |
| Adenoma |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | X | | | | | | 5 |
| Carcinoma | | | | | | | | | | X | | | | | | | | | | | | | | | | 2 |

URINARY SYSTEM

| | |
|--|----|
| Kidney | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Leiomyosarcoma, Metastatic, Intestine Large, Colon |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 |
| Urinary Bladder | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |

SYSTEMIC LESIONS

| | |
|--------------------|----|
| Multiple Organ | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Lymphoma Malignant |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 |

* .. 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. 95011 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 5-(HYDROXYMETHYL)-2-FURFURAL
 CAS Number: 67-47-0
 Pathologist: TOFT, J. - Blackshear, P.

Date Report Reqsted: 11/10/2006
 Time Report Reqsted: 09:06:29
 First Dose M/F: 08/09/01 / 08/08/01
 Lab: BAT

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

males
(cont...)

ALIMENTARY SYSTEM

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

TDMS No. 95011 - 06
Test Type: CHRONIC
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Species/Strain: MICE/B6C3F1

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5-(HYDROXYMETHYL)-2-FURFURAL
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| | | |
|------------------------------------|-------------|-----------------------|
| B6C3F1 MICE MALE
375 MG/KG | DAY ON TEST | 7
3
0 | 7
2
8 | 7
2
8 | 7
3
0 | 7
3
0 | 7
3
0 | 7
3
0 | 7
2
9 | 7
2
9 | 7
3
0 | 6
5
2 | 7
2
9 | 7
2
5 | 7
2
8 | 7
3
0 | 3
9
9 | 7
3
0 | 5
2
7 | 7
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0 | 7
2
9 | 7
2
8 | 4
8
5 | 7
3
0 | 7
2
9 |
| | ANIMAL ID | 0
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2 | 0
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2
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3 | 0
0
2
2
4 |
| | | |
| | | |
| | | |
| Hepatocellular Carcinoma | | X | X | | X | | | | | | | | | | | | | X | | | X | | | | |
| Hepatocellular Carcinoma, Multiple | | | | | | | | | | | | | X | | | | | | | | | | X | X | |
| Hepatocholangiocarcinoma | | | | | | | | | | | | | | | | | | | X | | | | | | |
| Histiocytic Sarcoma | | |
| Lymphoma Malignant |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | X | | |
| Mesentery | | + | | | | | | | | | | | | + | | | | | | + | | | | | |
| Pancreas | | + |
| Lymphoma Malignant |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | X | | |
| Salivary Glands | | + |
| Lymphoma Malignant | | |
| Stomach, Forestomach | | + |
| Squamous Cell Papilloma | | X | |
| Stomach, Glandular | | + |
| Tooth | | |
| Odontoma | | |

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

TDMS No. 95011 - 06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
5-(HYDROXYMETHYL)-2-FURFURAL
CAS Number: 67-47-0
Pathologist: TOFT, J. - Blackshear, P.

Date Report Reqsted: 11/10/2006
Time Report Reqsted: 09:06:29
First Dose M/F: 08/09/01 / 08/08/01
Lab: BAT

| | | | |
|-------------------------------|-------------|--------------------|-----------------------|
| B6C3F1 MICE MALE
375 MG/KG | DAY ON TEST | 7
3
0 | 7
2
8 | 7
2
8 | 7
3
0 | 7
3
0 | 7
3
0 | 7
3
0 | 7
2
9 | 7
2
9 | 7
3
0 | 6
5
2 | 7
2
9 | 7
2
5 | 7
2
8 | 7
3
0 | 3
9
9 | 7
3
0 | 5
2
7 | 7
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9 | 7
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8 | 4
8
5 | 7
3
0 | 7
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9 | males
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| | ANIMAL ID | 0
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Hepatocholangiocarcinoma, Metastatic,
Liver

X

Lymphoma Malignant

X

ENDOCRINE SYSTEM

| |
|--------------------------------|
| Adrenal Cortex | + |
| Adenoma | | | | | | X | |
| Lymphoma Malignant |
| Subcapsular, Adenoma | | | | X | | | X | | X | | X | | | | | | | | | | | | | | | |
| Subcapsular, Adenoma, Multiple | | | | | X | | | X | | | | | | | | | | | | | | | | | | |
| Adrenal Medulla | + |
| Islets, Pancreatic | + |
| Parathyroid Gland | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Pituitary Gland | + |
| Thyroid Gland | + |
| Lymphoma Malignant |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | X | | |
| Follicular Cell, Adenoma | X | |
| Follicular Cell, 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. 95011 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 5-(HYDROXYMETHYL)-2-FURFURAL
 CAS Number: 67-47-0
 Pathologist: TOFT, J. - Blackshear, P.

Date Report Reqsted: 11/10/2006
 Time Report Reqsted: 09:06:29
 First Dose M/F: 08/09/01 / 08/08/01
 Lab: BAT

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

males
(cont...)

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

Coagulating Gland
 Lymphoma Malignant

+

Epididymis
 Lymphoma Malignant

+ X

Preputial Gland
 Lymphoma Malignant

+ +

Prostate
 Lymphoma Malignant

+ X

Seminal Vesicle
 Lymphoma Malignant

+ +

Testes
 Lymphoma Malignant
 Interstitial Cell, Adenoma

+ +

* .. 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. 95011 - 06
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 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 5-(HYDROXYMETHYL)-2-FURFURAL
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 Lab: BAT

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

males
(cont...)

HEMATOPOIETIC SYSTEM

| | |
|--|---|
| Bone Marrow | + |
| Lymphoma Malignant |
| Lymph Node | | | | | | | | | | | | | | | | | | | + | | | | | + | | |
| Hepatocholangiocarcinoma, Metastatic, Liver | | | | | | | | | | | | | | | | | | | X | | | | | | | |
| Inguinal, Lymphoma Malignant |
| Mediastinal, Hepatocholangiocarcinoma, Metastatic, Liver | | | | | | | | | | | | | | | | | | | X | | | | | | | |
| Mediastinal, Lymphoma Malignant |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | X | | |
| Lymph Node, Mandibular | + | + | + | + | M | + |
| Lymphoma Malignant |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | X | | |
| Lymph Node, Mesenteric | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + |
| Lymphoma Malignant |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | X | | |
| Spleen | + |
| Lymphoma Malignant |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | X | | |
| Thymus | + | + | + | + | + | + | + | + | + | + | + | + | + | 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. 95011 - 06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
5-(HYDROXYMETHYL)-2-FURFURAL
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Lab: BAT

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

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 | + |
| Lymphoma Malignant | |

MUSCULOSKELETAL SYSTEM

| |
|-----------------|
| Bone | + |
| Skeletal Muscle | | + |

NERVOUS SYSTEM

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

RESPIRATORY SYSTEM

| | |
|---|---|
| Lung | + |
| Alveolar/Bronchiolar Adenoma | | X | | X | | | | X | | | | | | X | X | | | | | | | | | | |
| Alveolar/Bronchiolar Carcinoma |
| Hepatocellular Carcinoma, Metastatic, Liver | X | | | | | | | | | | | X | | | | | | | | | | | | 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. 95011 - 06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
5-(HYDROXYMETHYL)-2-FURFURAL
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Lab: BAT

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

males
(cont...)

Hepatocholangiocarcinoma, Metastatic,
Liver

X

Lymphoma Malignant

X

Mediastinum,
Hepatocholangiocarcinoma,
Metastatic, Liver

X

Nose

+ +

Lymphoma Malignant

Trachea

+ +

SPECIAL SENSES SYSTEM

Eye

+ +

Lymphoma Malignant

Harderian Gland

+ +

Adenoma

X

X

X

X

X

Carcinoma

Lymphoma Malignant

Lacrimal Gland

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

TDMS No. 95011 - 06
Test Type: CHRONIC
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Species/Strain: MICE/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
5-(HYDROXYMETHYL)-2-FURFURAL
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Lab: BAT

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

| | |
|---|---|
| Kidney | + |
| Hepatocholangiocarcinoma, Metastatic, Liver | | | | | | | | | | | | | | | | | | | X | | | | | | |
| Lymphoma Malignant |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | X | | |
| Urinary Bladder | + |
| Lymphoma Malignant |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | X | | |

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

l .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

TDMS No. 95011 - 06
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 Lab: BAT

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

ALIMENTARY SYSTEM

| | |
|----------------------------------|----|
| Esophagus | + | 50 |
| Gallbladder | + | 49 |
| Intestine Large, Cecum | + | 50 |
| Intestine Large, Colon | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Intestine Large, Rectum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Intestine Small, Duodenum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Intestine Small, Ileum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Intestine Small, Jejunum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Liver | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Hemangioma | | | | X |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 |
| Hemangiosarcoma |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 |
| Hemangiosarcoma, Multiple |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | X | | 1 |
| Hepatoblastoma | | | | | X | | | | | | X | | | | | | | | | | | | | | | 7 |
| Hepatocellular Adenoma | X | | | | | | | | | | | | | | X | | | | | | | | | | | 5 |
| Hepatocellular Adenoma, Multiple | | X | X | X | X | X | | X | X | X | X | X | X | X | | | | X | | X | X | X | X | | | 36 |

* .. 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. 95011 - 06
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Route: GAVAGE
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Lab: BAT

| | | DAY ON TEST | | | |
|------------------------------------|--|-----------------------|----------|--|
| | | 7
2
9 | 7
2
9 | 7
2
9 | 7
2
9 | 7
2
9 | 7
3
0 | 7
3
0 | 7
2
9 | 7
3
0 | 7
2
8 | 7
3
0 | 7
2
9 | 7
2
9 | 7
2
9 | 3
9
4 | 7
2
9 | 7
0
3 | 7
3
0 | 7
3
0 | 7
3
0 | 7
3
0 | 7
2
9 | 7
3
0 | 7
3
0 | | |
| B6C3F1 MICE MALE
375 MG/KG | | ANIMAL ID | | |
| | | 0
0
1
2
6 | 0
0
1
2
7 | 0
0
1
2
8 | 0
0
1
2
9 | 0
0
1
3
0 | 0
0
1
3
1 | 0
0
1
3
2 | 0
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3 | 0
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4 | 0
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5 | 0
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6 | 0
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7 | 0
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8 | 0
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9 | 0
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7 | 0
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1
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8 | 0
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1
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9 | | |
| | | | | |
| | | | | |
| | | | | |
| | | | * TOTALS | |
| Hepatocellular Carcinoma | | | 11 | |
| Hepatocellular Carcinoma, Multiple | | | 3 | |
| Hepatocholangiocarcinoma |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 | |
| Histiocytic Sarcoma |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 | |
| Lymphoma Malignant |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 3 | |
| Mesentery |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 4 | |
| Pancreas |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 50 | |
| Lymphoma Malignant |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 2 | |
| Salivary Glands |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 50 | |
| Lymphoma Malignant |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 | |
| Stomach, Forestomach |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 50 | |
| Squamous Cell Papilloma |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 | |
| Stomach, Glandular |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 50 | |
| Tooth |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 4 | |
| Odontoma |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 2 | |

CARDIOVASCULAR SYSTEM

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

TDMS No. 95011 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

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 Lab: BAT

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

| | |
|---|---|
| Hepatocholangiocarcinoma, Metastatic, Liver | 1 |
| Lymphoma Malignant | 2 |

ENDOCRINE SYSTEM

| | |
|--------------------------------|----|
| Adrenal Cortex | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Adenoma |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 |
| Lymphoma Malignant |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 |
| Subcapsular, Adenoma | | | X | | | | X | | | | | | | | | | | | | | | | | | 6 |
| Subcapsular, Adenoma, Multiple |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 2 |
| Adrenal Medulla | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Islets, Pancreatic | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Parathyroid Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | 48 |
| Pituitary Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Thyroid Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Lymphoma Malignant |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 2 |
| Follicular Cell, Adenoma | | | | | | | | | | X | X | | | | | | | | | | | | | | 3 |
| Follicular Cell, Carcinoma |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 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. 95011 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 5-(HYDROXYMETHYL)-2-FURFURAL
 CAS Number: 67-47-0
 Pathologist: TOFT, J. - Blackshear, P.

Date Report Reqsted: 11/10/2006
 Time Report Reqsted: 09:06:29
 First Dose M/F: 08/09/01 / 08/08/01
 Lab: BAT

| | | |
|-------------------------------|-------------|-----------------------|
| B6C3F1 MICE MALE
375 MG/KG | DAY ON TEST | 7
2
9 | 7
2
9 | 7
2
9 | 7
2
9 | 7
2
9 | 7
3
0 | 7
3
0 | 7
2
9 | 7
3
0 | 7
2
8 | 7
3
0 | 7
2
9 | 7
2
9 | 7
2
9 | 3
9
4 | 7
2
9 | 7
0
3 | 7
3
0 | 7
3
0 | 7
3
0 | 7
3
0 | 7
2
9 | 7
3
0 | 7
3
0 |
| | ANIMAL ID | 0
0
1
2
6 | 0
0
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7 | 0
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1
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8 | 0
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1
2
9 | 0
0
1
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| | | |
| | | |
| * TOTALS | | |

HEMATOPOIETIC SYSTEM

| | |
|--|----|
| Bone Marrow | + | 50 |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | X | | | | | | | | 1 |
| Lymph Node | | + | | | | | | | | | | | | | | | | + | | | | | | | 4 |
| Hepatocholangiocarcinoma, Metastatic, Liver |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 |
| Inguinal, Lymphoma Malignant | | | | | | | | | | | | | | | | | | X | | | | | | | 1 |
| Mediastinal, Hepatocholangiocarcinoma, Metastatic, Liver |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 |
| Mediastinal, Lymphoma Malignant | | X | | | | | | | | | | | | | | | | X | | | | | | | 3 |
| Lymph Node, Mandibular | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | X | | | | | | | 2 |
| Lymph Node, Mesenteric | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 |
| Lymphoma Malignant |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 |
| Spleen | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | X | | | | | | | 2 |
| Thymus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 47 |

* .. 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. 95011 - 06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
5-(HYDROXYMETHYL)-2-FURFURAL
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Date Report Reqsted: 11/10/2006
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First Dose M/F: 08/09/01 / 08/08/01
Lab: BAT

| | | | |
|-------------------------------|-------------|-----------------------|--|
| B6C3F1 MICE MALE
375 MG/KG | DAY ON TEST | 7
2
9 | 7
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0 | 7
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| | ANIMAL ID | 0
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6 | 0
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8 | 0
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9 | |
| | * TOTALS | | |

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 | 3 |
| Skin | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | X | | | | | | | | | | 1 |

MUSCULOSKELETAL SYSTEM

| | |
|-----------------|----|
| Bone | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Skeletal Muscle |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 |

NERVOUS SYSTEM

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

RESPIRATORY SYSTEM

| | |
|---|----|
| Lung | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Alveolar/Bronchiolar Adenoma | | | | X | | | X | | | | X | | | | | | | X | | X | | | | | | 10 |
| Alveolar/Bronchiolar Carcinoma | | | | | | | | | | | | | | | X | | | | | | | | | | | 1 |
| Hepatocellular Carcinoma, Metastatic, Liver |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | X | | | | 4 |

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

+ .. Tissue examined microscopically

x .. Lesion present

l .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

TDMS No. 95011 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

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| | | |
|-------------------------------|-------------|-----------------------|
| B6C3F1 MICE MALE
375 MG/KG | DAY ON TEST | 7
2
9 | 7
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3
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| | | * TOTALS | |

Hepatocholangiocarcinoma, Metastatic, Liver 1

Lymphoma Malignant X 2

Mediastinum, Hepatocholangiocarcinoma, Metastatic, Liver 1

Nose + 50

Lymphoma Malignant X 1

Trachea + 50

SPECIAL SENSES SYSTEM

Eye + 50

Lymphoma Malignant X 1

Harderian Gland + 50

Adenoma X 7

Carcinoma X 1

Lymphoma Malignant X 1

Lacrimal Gland + 1

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

TDMS No. 95011 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 5-(HYDROXYMETHYL)-2-FURFURAL
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 First Dose M/F: 08/09/01 / 08/08/01
 Lab: BAT

| | | | |
|-------------------------------|-------------|-----------------------|--|
| B6C3F1 MICE MALE
375 MG/KG | DAY ON TEST | 7
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| | ANIMAL ID | 0
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| | | | |
| * TOTALS | | | |

| | |
|---|----|
| Kidney | + | 50 |
| Hepatocholangiocarcinoma, Metastatic, Liver | | 1 |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | X | | | | | | | | | 2 |
| Urinary Bladder | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | X | | | | | | | | | 2 |

SYSTEMIC LESIONS

| | |
|---------------------|----|
| Multiple Organ | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Histiocytic Sarcoma |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | X | | 1 |
| Lymphoma Malignant | | | X | | | | | | | | | | | | | | | X | | | | | | | | | 3 |

* .. 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. 95011 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 5-(HYDROXYMETHYL)-2-FURFURAL
 CAS Number: 67-47-0
 Pathologist: TOFT, J. - Blackshear, P.

Date Report Reqsted: 11/10/2006
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 First Dose M/F: 08/09/01 / 08/08/01
 Lab: BAT

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

ALIMENTARY SYSTEM

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

* .. 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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| | | |
|-------------------------------|-------------|-----------------|
| B6C3F1 MICE MALE
750 MG/KG | DAY ON TEST | 0 | 5 | 2 | 5 | 5 | 6 | 7 | 7 | 7 | 4 | 4 | 6 | 5 | 7 | 4 | 6 | 7 | 7 | 7 | 6 | 5 | 6 | 4 | 6 | 3 |
| | | 1 | 6 | 1 | 2 | 1 | 7 | 2 | 3 | 2 | 3 | 1 | 4 | 1 | 3 | 6 | 5 | 2 | 2 | 3 | 7 | 0 | 5 | 3 | 7 | 5 |
| | | 9 | 8 | 7 | 8 | 3 | 2 | 9 | 0 | 9 | 6 | 2 | 3 | 0 | 0 | 3 | 2 | 9 | 9 | 0 | 2 | 9 | 2 | 6 | 8 | 2 |
| | ANIMAL ID | 0 | 0 |
| | | 0 | 0 |
| | | 1 | 1 |
| | | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| | | 1 | 2 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 |
| | | males (cont...) | |

| |
|-------------------------|
| Mesentery | + | |
| Oral Mucosa | + | |
| Pancreas | + |
| Salivary Glands | + |
| Stomach, Forestomach | + |
| Squamous Cell Papilloma | X | |
| Stomach, Glandular | + |
| Tooth |

CARDIOVASCULAR SYSTEM

| |
|--------------|
| Blood Vessel | + | |
| Heart | + |

ENDOCRINE SYSTEM

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

* .. 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

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TDMS No. 95011 - 06
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| | | |
|-------------------------------|-------------|-----------------|
| B6C3F1 MICE MALE
750 MG/KG | DAY ON TEST | 0 | 5 | 2 | 5 | 5 | 6 | 7 | 7 | 7 | 4 | 4 | 6 | 5 | 7 | 4 | 6 | 7 | 7 | 7 | 6 | 5 | 6 | 4 | 6 | 3 |
| | | 1 | 6 | 1 | 2 | 1 | 7 | 2 | 3 | 2 | 3 | 1 | 4 | 1 | 3 | 6 | 5 | 2 | 2 | 3 | 7 | 0 | 5 | 3 | 7 | 5 |
| | | 9 | 8 | 7 | 8 | 3 | 2 | 9 | 0 | 9 | 6 | 2 | 3 | 0 | 0 | 3 | 2 | 9 | 9 | 0 | 2 | 9 | 2 | 6 | 8 | 2 |
| | ANIMAL ID | 0 | 0 |
| | | 0 | 0 |
|  |  | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| | | 1 | 2 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 |
| | | males (cont...) | |
| Adrenal Medulla | | + | + |
| Islets, Pancreatic | | + | + |
| Parathyroid Gland | | + | + | + | + | M | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | M | M | + | M |
| Pituitary Gland | | + | + |
| Thyroid Gland | | + | + |
| Follicular Cell, Adenoma | | |

GENERAL BODY SYSTEM
NONE

GENITAL SYSTEM

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

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

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

Interstitial Cell, Adenoma X

HEMATOPOIETIC SYSTEM

| |
|------------------------|
| Bone Marrow | + |
| Lymph Node, Mandibular | + |
| Lymph Node, Mesenteric | + |
| Spleen | + |
| Thymus | + |

INTEGUMENTARY SYSTEM

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

MUSCULOSKELETAL SYSTEM

| |
|-----------------|
| Bone | + |
| Skeletal Muscle | |

* .. 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

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Date Report Reqsted: 11/10/2006
Time Report Reqsted: 09:06:29
First Dose M/F: 08/09/01 / 08/08/01
Lab: BAT

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

Hemangiosarcoma

NERVOUS SYSTEM

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

RESPIRATORY SYSTEM

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

SPECIAL SENSES SYSTEM

| |
|-----------------|
| Eye | + |
| Harderian Gland | + |
| Adenoma |
| |

* .. 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. 95011 - 06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
5-(HYDROXYMETHYL)-2-FURFURAL
CAS Number: 67-47-0
Pathologist: TOFT, J. - Blackshear, P.

Date Report Reqsted: 11/10/2006
Time Report Reqsted: 09:06:29
First Dose M/F: 08/09/01 / 08/08/01
Lab: BAT

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

URINARY SYSTEM

| |
|-----------------|
| Kidney | + |
| Urinary Bladder | + |

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

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

ALIMENTARY SYSTEM

| | |
|------------------------------------|----|
| Esophagus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 |
| Gallbladder | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 |
| Intestine Large, Cecum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 |
| Intestine Large, Colon | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 |
| Intestine Large, Rectum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 |
| Intestine Small, Duodenum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 |
| Intestine Small, Ileum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 |
| Intestine Small, Jejunum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 |
| Liver | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 |
| Hepatocellular Adenoma | | | | | | | X | | | | | | X | | | | | | | X | | | | | 6 |
| Hepatocellular Adenoma, Multiple | | X | | | | | | | | | | | | | | | X | | | | | | | | 4 |
| Hepatocellular Carcinoma | | X | | | | | | | | | | | | | | X | | | | | | | X | | 5 |
| Hepatocellular Carcinoma, Multiple |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 |
| Hepatocholangiocarcinoma | | | | | | | | | | | | | | | X | | | | | | | | | | 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. 95011 - 06
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| | | |
|-------------------------------|-------------|----------|
| B6C3F1 MICE MALE
750 MG/KG | DAY ON TEST | 4 | 7 | 3 | 7 | 5 | 7 | 7 | 7 | 5 | 4 | 3 | 7 | 7 | 4 | 7 | 4 | 7 | 3 | 2 | 3 | 4 | 1 | 1 | 6 |
| | | 6 | 2 | 7 | 3 | 8 | 3 | 2 | 2 | 8 | 9 | 5 | 2 | 1 | 5 | 2 | 7 | 2 | 7 | 1 | 6 | 4 | 9 | 9 | 6 |
| | | 7 | 9 | 7 | 0 | 9 | 0 | 9 | 9 | 9 | 8 | 2 | 6 | 9 | 5 | 9 | 6 | 9 | 1 | 7 | 0 | 9 | 0 | 7 | 2 |
| | ANIMAL ID | 0 | 0 |
| | | 0 | 0 |
| | | 1 | 1 | 2 |
| | | 7 | 7 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 0 |
| | | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 |
| | | * TOTALS | |

| | |
|-------------------------|----|
| Mesentery | + |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 2 |
| Oral Mucosa |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 |
| Pancreas | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 |
| Salivary Glands | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 |
| Stomach, Forestomach | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 |
| Squamous Cell Papilloma |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 |
| Stomach, Glandular | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 |
| Tooth | + |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 |

CARDIOVASCULAR SYSTEM

| | |
|--------------|----|
| Blood Vessel |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 |
| Heart | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 |

ENDOCRINE SYSTEM

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

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 x .. Lesion present
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First Dose M/F: 08/09/01 / 08/08/01
Lab: BAT

| | | |
|-------------------------------|-------------|----------|
| B6C3F1 MICE MALE
750 MG/KG | DAY ON TEST | 4 | 7 | 3 | 7 | 5 | 7 | 7 | 7 | 5 | 4 | 3 | 7 | 7 | 4 | 7 | 4 | 7 | 3 | 2 | 3 | 4 | 1 | 1 | 6 | |
| | | 6 | 2 | 7 | 3 | 8 | 3 | 2 | 2 | 8 | 9 | 5 | 2 | 1 | 5 | 2 | 7 | 2 | 7 | 1 | 6 | 4 | 9 | 9 | 6 | |
| | | 7 | 9 | 7 | 0 | 9 | 0 | 9 | 9 | 9 | 8 | 2 | 6 | 9 | 5 | 9 | 6 | 9 | 1 | 7 | 0 | 9 | 0 | 7 | 2 | |
| | | |
| | ANIMAL ID | 0 | |
| | | 0 | |
|  |  | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | |
| | | 7 | 7 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 0 | |
| | | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | |
| | | |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | * TOTALS |
| Adrenal Medulla |  | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 |
| Islets, Pancreatic |  | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 |
| Parathyroid Gland | | + | + | M | + | + | + | + | + | M | M | + | + | M | + | M | + | M | + | M | + | + | + | + | + | 37 |
| Pituitary Gland |  | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 |
| Thyroid Gland |  | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 |
| Follicular Cell, Adenoma | | | | | | | | | | | | | | | | X | | X | | | | | | | | 2 |

GENERAL BODY SYSTEM
NONE

GENITAL SYSTEM

| | |
|-----------------|----|
| Epididymis | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 |
| Preputial Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 |
| Prostate | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 |
| Seminal Vesicle | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 |
| Testes | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 |

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

+ .. Tissue examined microscopically

x .. Lesion present

l .. Insufficient tissue

M .. Missing tissue

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Test Type: CHRONIC
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Species/Strain: MICE/B6C3F1

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

Interstitial Cell, Adenoma 1

HEMATOPOIETIC SYSTEM

| | |
|------------------------|----|
| Bone Marrow | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 |
| Lymph Node, Mandibular | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| Lymph Node, Mesenteric | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 |
| Spleen | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 |
| Thymus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 |

INTEGUMENTARY SYSTEM

| | |
|---------------|----|
| Mammary Gland | M | 0 |
| Skin | + | 49 |

MUSCULOSKELETAL SYSTEM

| | |
|-----------------|----|
| Bone | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 |
| Skeletal Muscle |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 |

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

+ .. Tissue examined microscopically

x .. Lesion present

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

| | | |
|-----------------|---|---|
| Hemangiosarcoma | X | 1 |
|-----------------|---|---|

NERVOUS SYSTEM

| | |
|-------|----|
| Brain | + | 49 |
|-------|----|

RESPIRATORY SYSTEM

| | |
|---|----|
| Lung | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 |
| Alveolar/Bronchiolar Adenoma | | | | | | | X | | | | | | | | | | | | | | | | X | | 2 |
| Alveolar/Bronchiolar Adenoma, Multiple | | | | | | | X | | | | | | | | | | | | | | | | | | 1 |
| Hepatocellular Carcinoma, Metastatic, Liver |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 |
| Nose | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | 47 |
| Trachea | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 |

SPECIAL SENSES SYSTEM

| | |
|-----------------|----|
| Eye | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 |
| Harderian Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | 48 |
| Adenoma | | X | | | | X | X | | | | | | | | | | | | | | | | | | 4 |

* .. 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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Lab: BAT

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

URINARY SYSTEM

| | |
|-----------------|----|
| Kidney | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 |
| Urinary Bladder | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 |

SYSTEMIC LESIONS

| | |
|----------------|----|
| Multiple Organ | + | 49 |
|----------------|----|

*** END OF MALE DATA ***

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

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Lab: BAT

| | | |
|-----------------------------------|--|-------------------|
| | | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 5 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 6 | 7 |
| DAY ON TEST | | 9 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 5 | 1 | 0 | 2 | 7 | 2 |
| | | 6 | 3 | 8 | 8 | 8 | 8 | 7 | 7 | 9 | 8 | 9 | 7 | 1 | 7 | 9 | 8 | 8 | 8 | 7 | 5 | 6 | 0 | 9 | 7 |
| B6C3F1 MICE FEMALE | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ANIMAL ID | | 0 | 0 |
| 0 MG/KG | | 2 | 2 |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 |
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 |
| | | females (cont...) | |
| Mesentery | | |
| Hepatoblastoma, Metastatic, Liver | | |
| Lymphoma Malignant | | |
| Pancreas | | |
| Lymphoma Malignant | | |
| Salivary Glands | | |
| Lymphoma Malignant | | |
| Stomach, Forestomach | | |
| Lymphoma Malignant | | |
| Squamous Cell Papilloma | | |
| Stomach, Glandular | | |
| Tongue | | |
| Squamous Cell Carcinoma | | |

CARDIOVASCULAR SYSTEM

| | | |
|--------------------|--|---|
| Blood Vessel | | |
| Heart | | |
| Lymphoma Malignant | | + |

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

+ .. Tissue examined microscopically

x .. Lesion present

l .. Insufficient tissue

M .. Missing tissue

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BLANK .. Not examined microscopically

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Lab: BAT

| | |
|-----------------------------------|-------------------|
| B6C3F1 MICE FEMALE

0 MG/KG | DAY ON TEST | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 5 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 6 | 7 | |
| | | 9 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 5 | 1 | 0 | 2 | 7 | 2 | |
| | | 6 | 3 | 8 | 8 | 8 | 8 | 7 | 7 | 9 | 8 | 9 | 7 | 1 | 7 | 9 | 8 | 8 | 8 | 7 | 5 | 6 | 0 | 9 | 7 | 7 |
| | |
| | ANIMAL ID | 0 | |
| | | 0 |
| | | 2 |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 |
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 |
| | females (cont...) | |

GENITAL SYSTEM

| |
|--------------------|
| Clitoral Gland | + |
| Ovary | + |
| Cystadenoma |
| Lymphoma Malignant | |
| Oviduct | | | | | | | | | | | + | | | | | | | | | | | | | | |
| Lymphoma Malignant | |
| Uterus | + |
| Hemangioma | | X | | | | X | | | | | | | | | | | | | | | | | | | |
| Polyp Stromal |

HEMATOPOIETIC SYSTEM

| |
|-------------------------------------|
| Bone Marrow | + |
| Hemangiosarcoma, Metastatic, Spleen | | | | | | | | | | | | | | X | | | | | | | | | | | |
| Lymphoma Malignant |
| Lymph Node | | + | | | | | | | + | + | | | | | | | | | + | | | | | | |
| Axillary, Lymphoma Malignant |
| Inguinal, Lymphoma Malignant |

* .. 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

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 Lab: BAT

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

females
(cont...)

Lumbar, Lymphoma Malignant
 Mediastinal, Lymphoma Malignant
 Renal, Lymphoma Malignant

Lymph Node, Mandibular
 Lymphoma Malignant

+ M +

Lymph Node, Mesenteric
 Hemangiosarcoma
 Lymphoma Malignant

+ + + + + + + + + + M + + + + + + + + + + + + + X

Spleen
 Hemangiosarcoma
 Lymphoma Malignant

+ M +

Thymus
 Lymphoma Malignant

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

INTEGUMENTARY SYSTEM

Mammary Gland
 Carcinoma

+ + + + + + + + + + + + + + + + + + + X

Skin

+ +

* .. 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. 95011 - 06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
5-(HYDROXYMETHYL)-2-FURFURAL
CAS Number: 67-47-0
Pathologist: TOFT, J. - Blackshear, P.

Date Report Reqsted: 11/10/2006
Time Report Reqsted: 09:06:29
First Dose M/F: 08/09/01 / 08/08/01
Lab: BAT

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

Subcutaneous Tissue,
Hemangiosarcoma, Metastatic,
Spleen

X

MUSCULOSKELETAL SYSTEM

Bone

+ +

Skeletal Muscle

+ + +

Hemangiosarcoma, Metastatic, Spleen

X

NERVOUS SYSTEM

Brain

+ +

Lymphoma Malignant

Peripheral Nerve

+

Spinal Cord

+

RESPIRATORY SYSTEM

Lung

+ +

Alveolar/Bronchiolar Adenoma

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. 95011 - 06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
5-(HYDROXYMETHYL)-2-FURFURAL
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Date Report Reqsted: 11/10/2006
Time Report Reqsted: 09:06:29
First Dose M/F: 08/09/01 / 08/08/01
Lab: BAT

| | | | |
|-------------------------------|-------------|----------------------|-----------------------|
| B6C3F1 MICE FEMALE
0 MG/KG | DAY ON TEST | 6
9
6 | 6
2
3 | 7
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8 | 7
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8 | 7
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8 | 7
2
8 | 7
2
7 | 7
2
7 | 7
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9 | 7
2
8 | 7
2
9 | 5
2
1 | 7
2
7 | 7
2
9 | 7
2
8 | 7
2
8 | 7
2
8 | 7
2
7 | 6
5
5 | 7
1
6 | 7
0
0 | 7
2
9 | 6
7
7 | 7
2
7 | females
(cont...) | |
| | ANIMAL ID | 0
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1 | 0
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2 | 0
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3 | 0
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4 | 0
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Alveolar/Bronchiolar Carcinoma
Carcinoma, Metastatic, Mammary Gland
Hepatocellular Carcinoma, Metastatic, Liver
Lymphoma Malignant
Mediastinum, Lymphoma Malignant

X

X

X

| |
|--------------------|
| Nose | + |
| Lymphoma Malignant | |
| Trachea | + |

SPECIAL SENSES SYSTEM

| |
|--------------------|
| Eye | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + |
| Harderian Gland | + |
| Adenoma | | | | | | | X | | | | | | | | | | | | | | X | | | | | |
| Lymphoma Malignant | |
| Bilateral, Adenoma | |

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

TDMS No. 95011 - 06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
5-(HYDROXYMETHYL)-2-FURFURAL
CAS Number: 67-47-0
Pathologist: TOFT, J. - Blackshear, P.

Date Report Reqsted: 11/10/2006
Time Report Reqsted: 09:06:29
First Dose M/F: 08/09/01 / 08/08/01
Lab: BAT

| | | | |
|-------------------------------|--|-------------|-----------------------|
| B6C3F1 MICE FEMALE
0 MG/KG | | DAY ON TEST | 6
0
1 | 7
2
7 | 7
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9 | 7
2
8 | 7
2
7 | 7
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7 | 7
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8 | 7
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9 | 7
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9 | 7
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7 | 7
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7 | 4
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8 | 7
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7 | 4
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| * TOTALS | | | |

ALIMENTARY SYSTEM

| | |
|----------------------------------|----|
| Esophagus | + | 50 |
| Gallbladder | + | 50 |
| Intestine Large, Cecum | + | 50 |
| Intestine Large, Colon | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Intestine Large, Rectum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Intestine Small, Duodenum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Intestine Small, Ileum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Intestine Small, Jejunum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Liver | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Hepatoblastoma |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 |
| Hepatocellular Adenoma | | | | | | | X | X | | X | | | | X | X | | | X | | X | | X | | | 10 |
| Hepatocellular Adenoma, Multiple | | X | | X | | | | | | | | | | | | | | | | | | | X | | 4 |
| Hepatocellular Carcinoma |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 2 |
| Lymphoma Malignant | | | | X | | | | | | | | | | | | | X | 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. 95011 - 06
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 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

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Date Report Reqsted: 11/10/2006
 Time Report Reqsted: 09:06:29
 First Dose M/F: 08/09/01 / 08/08/01
 Lab: BAT

| | | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 4 | 7 | 7 | 7 | 7 | 4 | 7 | 2 | 7 | 7 | 7 | 7 | | |
|-----------------------------------|-----------|----|----------|----|
| DAY ON TEST | | 0 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 5 | 2 | 2 | 2 | 2 | 9 | 2 | 3 | 2 | 2 | 2 | 2 | | |
| | | 1 | 7 | 9 | 8 | 8 | 7 | 7 | 8 | 9 | 9 | 7 | 7 | 7 | 0 | 7 | 8 | 8 | 7 | 3 | 9 | 0 | 9 | 7 | 7 | 8 | | |
| | | | | |
| B6C3F1 MICE FEMALE
0 MG/KG | ANIMAL ID | 0 | | |
| | | 0 | | |
| | | 2 | | |
| | | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | | |
| | | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | * TOTALS | |
| Mesentery | | | | | | + | | | | | + | | | | | + | + | | | | | + | + | | | | | 12 |
| Hepatoblastoma, Metastatic, Liver | | | 1 | |
| Lymphoma Malignant | | X | X | | | | | | 2 |
| | | | | |
| Pancreas |  | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 | | |
| Lymphoma Malignant | | X | X | | | | | | 2 |
| | | | | |
| Salivary Glands |  | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 | | |
| Lymphoma Malignant | | X | X | | | | | | 2 |
| | | | | |
| Stomach, Forestomach |  | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | | |
| Lymphoma Malignant | | X | | | | | | 1 | |
| Squamous Cell Papilloma | | | | | | | | | | | | | | | | X | | | | | | | | | | | 2 | |
| | | | | |
| Stomach, Glandular |  | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | | |
| | | | | |
| Tongue | | | | | | | | | | | | | | | | + | | | | | | | | | | | 1 | |
| Squamous Cell Carcinoma | | | | | | | | | | | | | | | | X | | | | | | | | | | | 1 | |

CARDIOVASCULAR SYSTEM

| | | |
|--------------------|--|----|
| Blood Vessel |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | + |  |  |  |  | 1 |
| Heart |  | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Lymphoma Malignant |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 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. 95011 - 06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
5-(HYDROXYMETHYL)-2-FURFURAL
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Date Report Reqsted: 11/10/2006
Time Report Reqsted: 09:06:29
First Dose M/F: 08/09/01 / 08/08/01
Lab: BAT

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

ENDOCRINE SYSTEM

| | |
|-------------------------------------|----|
| Adrenal Cortex | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Lymphoma Malignant |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | X | X | | | | | 2 |
| Adrenal Medulla | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Lymphoma Malignant |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | X | | | | 1 |
| Islets, Pancreatic | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Lymphoma Malignant |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | X | | | | | 1 |
| Parathyroid Gland | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | M | + | + | + | M | 43 |
| Pituitary Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 |
| Pars Distalis, Adenoma |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 2 |
| Pars Intermedia, Adenoma | | | | X |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 2 |
| Thyroid Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | 48 |
| Bilateral, Follicular Cell, Adenoma |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 |

GENERAL BODY SYSTEM

NONE

* .. 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. 95011 - 06
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 Lab: BAT

| | | |
|-------------------------------|-------------|-----------------------|
| B6C3F1 MICE FEMALE
0 MG/KG | DAY ON TEST | 6
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1 | 7
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9 |
| | <div></div> | |
| | * TOTALS | |

GENITAL SYSTEM

| | |
|--------------------|----|
| Clitoral Gland | + | 50 |
| Ovary | + | 50 |
| Cystadenoma | | | X | | | | | X | | | | | | | | | | | | X | | | | | | 3 |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | | | X | | X | | | | 2 |
| Oviduct |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | + |  |  |  |  |  | 2 |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | | | X | | | | | | 1 |
| Uterus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Hemangioma |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 2 |
| Polyp Stromal | | | | | | X | | | | | | | | | | | | | | | | | | | | 1 |

HEMATOPOIETIC SYSTEM

| | |
|-------------------------------------|----|
| Bone Marrow | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | 49 |
| Hemangiosarcoma, Metastatic, Spleen |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 |
| Lymphoma Malignant |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | X | | | | | 1 |
| Lymph Node | | | | | | | | | + | | | | | | + | | | | | + | + | | | + | + | 10 |
| Axillary, Lymphoma Malignant |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | X | | | | | 1 |
| Inguinal, Lymphoma Malignant |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 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

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Date Report Requested: 11/10/2006
 Time Report Requested: 09:06:29
 First Dose M/F: 08/09/01 / 08/08/01
 Lab: BAT

| | |
|-------------------------------|-------------|
| B6C3F1 MICE FEMALE
0 MG/KG | DAY ON TEST | 601 | 727 | 729 | 728 | 728 | 727 | 727 | 728 | 729 | 729 | 727 | 727 | 727 | 450 | 727 | 722 | 728 | 727 | 493 | 722 | 723 | 727 | 727 | 722 |
| | |
| | |
| | ANIMAL ID | 002 |
| | | 222 |
| | | 222 | 222 | 222 | 223 | 223 | 223 | 223 | 223 | 223 | 223 | 223 | 223 | 223 | 223 | 224 | 224 | 224 | 224 | 224 | 224 | 224 | 224 | 224 | 225 |
| | | 667 | 668 | 669 | 660 | 661 | 662 | 663 | 664 | 665 | 666 | 667 | 668 | 669 | 660 | 661 | 662 | 663 | 664 | 665 | 666 | 667 | 668 | 669 | 660 |
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|---|--|----|
| Lumbar, Lymphoma Malignant | | X | X | | | | | 2 |
| Mediastinal, Lymphoma Malignant | | X | X | | X | | | 3 |
| Renal, Lymphoma Malignant | | X | X | | | | | 2 |
| Lymph Node, Mandibular Lymphoma Malignant |  | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | X | X | X | | | | 3 |
| Lymph Node, Mesenteric Hemangiosarcoma |  | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 |
| Lymphoma Malignant | | | | | | | X | | | | | | | | | | | X | X | X | X | | | | | | 5 |
| Spleen Hemangiosarcoma |  | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 |
| | | | | | X | X | | | | | | | | | | | | | | | X | | | | | | 4 |
| Lymphoma Malignant | | | | | X | | | | | | | | | | | | | | | | X | X | X | | | | 4 |
| Thymus Lymphoma Malignant | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | 47 |
| | | | | | | X | | | | | | | | | | | | | | | X | X | X | | | | 4 |

INTEGUMENTARY SYSTEM

| | | |
|-------------------------|--|----|
| Mammary Gland Carcinoma |  | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 |
| Skin |  | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 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. 95011 - 06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

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Date Report Reqsted: 11/10/2006
Time Report Reqsted: 09:06:29
First Dose M/F: 08/09/01 / 08/08/01
Lab: BAT

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

Subcutaneous Tissue,
Hemangiosarcoma, Metastatic,
Spleen 1

MUSCULOSKELETAL SYSTEM

| | |
|-------------------------------------|----|
| Bone | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | 49 |
| Skeletal Muscle |  |  |  |  |  | + |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 4 |
| Hemangiosarcoma, Metastatic, Spleen |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 |

NERVOUS SYSTEM

| | |
|--------------------|----|
| Brain | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Lymphoma Malignant |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | X | | | | 1 |
| Peripheral Nerve |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 |
| Spinal Cord |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 |

RESPIRATORY SYSTEM

| | |
|------------------------------|----|
| Lung | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Alveolar/Bronchiolar Adenoma |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 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. 95011 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 5-(HYDROXYMETHYL)-2-FURFURAL
 CAS Number: 67-47-0
 Pathologist: TOFT, J. - Blackshear, P.

Date Report Reqsted: 11/10/2006
 Time Report Reqsted: 09:06:29
 First Dose M/F: 08/09/01 / 08/08/01
 Lab: BAT

| | | | |
|-------------------------------|-------------|----------|--|
| B6C3F1 MICE FEMALE
0 MG/KG | DAY ON TEST | 601 | 727 | 729 | 728 | 728 | 727 | 727 | 728 | 729 | 729 | 727 | 727 | 727 | 450 | 727 | 722 | 728 | 727 | 493 | 722 | 723 | 722 | 727 | 727 | 722 | 728 | |
| | | | |
| | ANIMAL ID | 002 | 002 | |
| | | 222 | 222 | |
| | | 226 | 227 | 228 | 229 | 230 | 231 | 232 | 233 | 233 | 233 | 233 | 233 | 233 | 233 | 233 | 234 | 234 | 234 | 234 | 234 | 234 | 234 | 234 | 234 | 234 | 235 | |
| | | * TOTALS | | |

Alveolar/Bronchiolar Carcinoma 1

Carcinoma, Metastatic, Mammary Gland 1

Hepatocellular Carcinoma, Metastatic, Liver 1

Lymphoma Malignant X X X 3

Mediastinum, Lymphoma Malignant X 1

Nose + + + + + + + + + + + + + M + + + + + + + + + + 49

Lymphoma Malignant X 1

Trachea + 50

SPECIAL SENSES SYSTEM

Eye + 49

Harderian Gland + 50

Adenoma X X X 6

Lymphoma Malignant X X 2

Bilateral, Adenoma X 1

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

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Route: GAVAGE
Species/Strain: MICE/B6C3F1

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Lab: BAT

| | | | | | | |
|-------------------------------|-------------|---|-----------------------|-------------|--|----------|
| B6C3F1 MICE FEMALE
0 MG/KG | DAY ON TEST | 6
0
1 | 7
2
7 | 7
2
9 | 7
2
8 | 7
2
8 | 7
2
7 | 7
2
7 | 7
2
8 | 7
2
9 | 7
2
9 | 7
2
7 | 7
2
7 | 7
2
7 | 4
5
0 | 7
2
7 | 7
2
8 | 7
2
8 | 7
2
7 | 4
9
3 | 7
2
9 | 2
3
0 | 7
2
9 | 7
2
7 | 7
2
7 | 7
2
8 | | |
| | | | | | | |
| | ANIMAL ID | 0
0
2
2
6 | 0
0
2
2
7 | 0
0
2
2
8 | 0
0
2
2
9 | 0
0
2
3
0 | 0
0
2
3
1 | 0
0
2
3
2 | 0
0
2
3
3 | 0
0
2
3
4 | 0
0
2
3
5 | 0
0
2
3
6 | 0
0
2
3
7 | 0
0
2
3
8 | 0
0
2
3
9 | 0
0
2
4
0 | 0
0
2
4
1 | 0
0
2
4
2 | 0
0
2
4
3 | 0
0
2
4
4 | 0
0
2
4
5 | 0
0
2
4
6 | 0
0
2
4
7 | 0
0
2
4
8 | 0
0
2
4
9 | | | |
| | | | | | | |
| | | | | | | * TOTALS |
| Lymphoma Malignant | | X | | | | | | | | | | | | | | | | X X X | | | | | | | 4 | | | |
| Urinary Bladder | | + | | | | 50 |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | X X | | | | | | | 2 | | | |
| SYSTEMIC LESIONS | | | | | | |
| Multiple Organ | | + | | | | 50 |
| Lymphoma Malignant | | X X | | | | | | | | | | | | | | | | X X X X | | | X | | | | 8 | | | |

* .. 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. 95011 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 5-(HYDROXYMETHYL)-2-FURFURAL
 CAS Number: 67-47-0
 Pathologist: TOFT, J. - Blackshear, P.

Date Report Reqsted: 11/10/2006
 Time Report Reqsted: 09:06:29
 First Dose M/F: 08/09/01 / 08/08/01
 Lab: BAT

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

ALIMENTARY SYSTEM

| | |
|--|---|
| Esophagus | + |
| Gallbladder | + | + | M | + |
| Lymphoma Malignant | | | | | | | | | | | | | | | | X | | | | | | | | |
| Intestine Large, Cecum | + |
| Fibrous Histiocytoma, Metastatic, Skin | | | | | | | | | X | | | | | | | | | | | | | | | |
| Intestine Large, Colon | + |
| Fibrous Histiocytoma, Metastatic, Skin | | | | | | | | | X | | | | | | | | | | | | | | | |
| Lymphoma Malignant | | | | | | | | | | | | | | | | X | | | | | | | | |
| Intestine Large, Rectum | + |
| Intestine Small, Duodenum | + |
| Fibrous Histiocytoma, Metastatic, Skin | | | | | | | | | X | | | | | | | | | | | | | | | |
| Intestine Small, Ileum | + |
| Fibrous Histiocytoma, Metastatic, Skin | | | | | | | | | X | | | | | | | | | | | | | | | |
| Intestine Small, Jejunum | + |
| Hemangioma |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | X |
| Muscularis, Serosa, Lymphoma | | | | | | | | | | | | | | | | 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. 95011 - 06
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| | | | | |
|---------------------------------|-------------|----------------------|-----------------------|-----------------------|
| B6C3F1 MICE FEMALE
188 MG/KG | DAY ON TEST | 7
2
7 | 7
2
8 | 7
2
8 | 7
2
9 | 7
2
9 | 7
2
9 | 7
2
9 | 6
7
1 | 5
4
9 | 7
2
7 | 6
6
8 | 7
2
3 | 7
2
9 | 5
2
7 | 6
0
3 | 7
2
7 | 7
2
8 | 7
2
8 | 7
2
7 | 7
2
9 | 6
9
5 | 7
2
7 | 7
2
9 | females
(cont...) | | |
| | ANIMAL ID | 0
0
2
5
1 | 0
0
2
5
2 | 0
0
2
5
3 | 0
0
2
5
4 | 0
0
2
5
5 | 0
0
2
5
6 | 0
0
2
5
7 | 0
0
2
5
8 | 0
0
2
6
0 | 0
0
2
6
1 | 0
0
2
6
2 | 0
0
2
6
3 | 0
0
2
6
4 | 0
0
2
6
5 | 0
0
2
6
6 | 0
0
2
6
7 | 0
0
2
6
8 | 0
0
2
6
9 | 0
0
2
7
0 | 0
0
2
7
1 | 0
0
2
7
2 | 0
0
2
7
3 | 0
0
2
7
4 | | 0
0
2
7
5 | 0
0
2
7
6 |

Lymphoma Malignant X
Squamous Cell Papilloma

Stomach, Glandular +
Fibrous Histiocytoma, Metastatic, Skin X
Lymphoma Malignant X

CARDIOVASCULAR SYSTEM

Blood Vessel + M
Heart +
Fibrous Histiocytoma, Metastatic, Skin X
Lymphoma Malignant X

ENDOCRINE SYSTEM

Adrenal Cortex +
Fibrous Histiocytoma, Metastatic, Skin X
Lymphoma Malignant X X X
Adrenal Medulla +
Islets, Pancreatic +

* .. 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. 95011 - 06
Test Type: CHRONIC
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P04: NEOPLASMS BY INDIVIDUAL ANIMAL
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Time Report Reqsted: 09:06:29
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Lab: BAT

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

| | |
|------------------------------------|-----|
| Adenoma | |
| Lymphoma Malignant | X |
| Parathyroid Gland | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | M |
| Pituitary Gland | + | + |
| Pars Distalis, Adenoma | X X | |
| Thyroid Gland | + | + |
| Follicular Cell, Adenoma | X X | |
| Follicular Cell, Adenoma, Multiple | X |

GENERAL BODY SYSTEM
NONE

GENITAL SYSTEM

| | |
|--------------------|-----|
| Clitoral Gland | + | + |
| Ovary | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Cystadenoma | X |
| Lymphoma Malignant | X X | |
| Thecoma 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. 95011 - 06
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Species/Strain: MICE/B6C3F1

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Lab: BAT

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

Subcutaneous Tissue, Fibrosarcoma
Subcutaneous Tissue, Fibrous
Histiocytoma
Subcutaneous Tissue,
Hemangiosarcoma

X X

X

X

MUSCULOSKELETAL SYSTEM

| | | |
|--|---|--|
| Bone | + | |
| Skeletal Muscle | | | | | | | | | | | + | | | | | | | | | | | | | | | |
| Fibrous Histiocytoma, Metastatic, Skin | | | | | | | | | | | X | | | | | | | | | | | | | | | |

NERVOUS SYSTEM

| |
|--------------------|
| Brain | + |
| Lymphoma Malignant |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | X |

RESPIRATORY SYSTEM

| | | | |
|--|---|--|---|
| Lung | + | | |
| Alveolar/Bronchiolar Adenoma | | |
| Alveolar/Bronchiolar Adenoma, Multiple | | | | | | | | | | | X | | | | | | | | | | | | | | | | | |
| Alveolar/Bronchiolar Carcinoma | | 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

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Lab: BAT

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

| | |
|---|---|
| Fibrous Histiocytoma, Metastatic, Skin | | | | | | | | | | X | | | | | | | | | | | | | | | |
| Lymphoma Malignant | | | | | | | | X | | | | X | | | | | X | | X | | | | | | |
| Mediastinum, Fibrous Histiocytoma, Metastatic, Skin | | | | | | | | | | X | | | | | | | | | | | | | | | |
| Mediastinum, Lymphoma Malignant | | | | | | | | | | | | | | | | | X | | | | | | | | |
| Nose | + |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | X | | | | | | | | |
| Trachea | + |

SPECIAL SENSES SYSTEM

| |
|--------------------|
| Ear | | | | | | | | | + | | | | | | | | | | | | | | | | |
| Eye | + |
| Harderian Gland | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Adenoma |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | X | | | | | | | | |

URINARY SYSTEM

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

* .. 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. 95011 - 06
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| | | | |
|--|-------------|----------------------|-----------------------|
| B6C3F1 MICE FEMALE
188 MG/KG | DAY ON TEST | 7
2
7 | 7
2
8 | 7
2
8 | 7
2
9 | 7
2
9 | 7
2
9 | 7
2
9 | 6
7
1 | 5
4
9 | 7
2
7 | 6
6
7 | 7
2
8 | 7
0
3 | 7
2
9 | 5
2
7 | 6
0
3 | 7
2
7 | 7
2
8 | 7
2
8 | 7
2
7 | 7
2
9 | 6
9
5 | 7
2
7 | 7
2
9 | females
(cont...) | |
| | ANIMAL ID | 0
0
2
5
1 | 0
0
2
5
2 | 0
0
2
5
3 | 0
0
2
5
4 | 0
0
2
5
5 | 0
0
2
5
6 | 0
0
2
5
7 | 0
0
2
5
8 | 0
0
2
6
0 | 0
0
2
6
1 | 0
0
2
6
2 | 0
0
2
6
3 | 0
0
2
6
4 | 0
0
2
6
5 | 0
0
2
6
6 | 0
0
2
6
7 | 0
0
2
6
8 | 0
0
2
6
9 | 0
0
2
7
0 | 0
0
2
7
1 | 0
0
2
7
2 | 0
0
2
7
3 | 0
0
2
7
4 | 0
0
2
7
5 | | 0
0
2
7
6 |
| | | | |
| | | | |
| | | | |
| Lymphoma Malignant | | | | | | | | | X | | | | | | | | X | | X | | | | | | | | |
| Urinary Bladder | | + | |
| Fibrous Histiocytoma, Metastatic, Skin | | | | | | | | | X | | | | | | | | | | | | | | | | | | |
| Lymphoma Malignant | | | | | | | | | X | | | | | | | | X | | | | | | | | | | |

SYSTEMIC LESIONS

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

TDMS No. 95011 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 5-(HYDROXYMETHYL)-2-FURFURAL
 CAS Number: 67-47-0
 Pathologist: TOFT, J. - Blackshear, P.

Date Report Reqsted: 11/10/2006
 Time Report Reqsted: 09:06:29
 First Dose M/F: 08/09/01 / 08/08/01
 Lab: BAT

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

ALIMENTARY SYSTEM

| | |
|--|----|
| Esophagus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 |
| Gallbladder | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| Lymphoma Malignant |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 |
| Intestine Large, Cecum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 |
| Fibrous Histiocytoma, Metastatic, Skin |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 |
| Intestine Large, Colon | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 |
| Fibrous Histiocytoma, Metastatic, Skin |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 |
| Lymphoma Malignant |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 |
| Intestine Large, Rectum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 |
| Intestine Small, Duodenum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 |
| Fibrous Histiocytoma, Metastatic, Skin |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 |
| Intestine Small, Ileum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 |
| Fibrous Histiocytoma, Metastatic, Skin |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 |
| Intestine Small, Jejunum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 |
| Hemangioma |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 |
| Muscularis, Serosa, Lymphoma |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 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. 95011 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 5-(HYDROXYMETHYL)-2-FURFURAL
 CAS Number: 67-47-0
 Pathologist: TOFT, J. - Blackshear, P.

Date Report Reqsted: 11/10/2006
 Time Report Reqsted: 09:06:29
 First Dose M/F: 08/09/01 / 08/08/01
 Lab: BAT

| | DAY ON TEST | 7 |
|--------------------|-------------|----------|
| | | 2 |
| | | 7 | 8 | 7 | 9 | 7 | 8 | 7 | 8 | 8 | 8 | 8 | 9 | 8 | 8 | 9 | 8 | 7 | 7 | 7 | 9 | 8 | 8 | 7 | 7 |
| | | 0 |
| B6C3F1 MICE FEMALE | ANIMAL ID | 0 |
| | | 0 |
| 188 MG/KG | | 2 | 3 |
| | | 7 | 7 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 0 |
| | | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 |
| | | * TOTALS |

| | | |
|--------------------|--|----|
| Oviduct |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 |
| Lymphoma Malignant |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 |
| Uterus |  | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 |
| Carcinoma |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 |
| Lymphoma Malignant |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 2 |
| Polyp Stromal |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | X | | | 1 |
| Vagina |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 |

HEMATOPOIETIC SYSTEM

| | | |
|---|--|----|
| Bone Marrow |  | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 |
| Hemangiosarcoma | | | | | | | | X | | | | | | | | | | | | | | | | | 2 |
| Lymph Node | | | | | | | + | | | | | | | | | | | | | | | | | | 7 |
| Lymphoma Malignant |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 |
| Axillary, Lymphoma Malignant |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 |
| Iliac, Lymphoma Malignant |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 |
| Mediastinal, Fibrous Histiocytoma, Metastatic, Skin |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 |
| Mediastinal, Lymphoma Malignant | | | | | | | X | | | | | | | | | | | | | | | | | | 5 |
| Pancreatic, Lymphoma Malignant |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 |
| Renal, Lymphoma 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

TDMS No. 95011 - 06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
5-(HYDROXYMETHYL)-2-FURFURAL
CAS Number: 67-47-0
Pathologist: TOFT, J. - Blackshear, P.

Date Report Reqsted: 11/10/2006
Time Report Reqsted: 09:06:29
First Dose M/F: 08/09/01 / 08/08/01
Lab: BAT

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

| | |
|--|----|
| Lymphoma Malignant |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 3 |
| Urinary Bladder | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 |
| Fibrous Histiocytoma, Metastatic, Skin |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 |
| Lymphoma Malignant |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 2 |

SYSTEMIC LESIONS

| | |
|--------------------|----|
| Multiple Organ | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 |
| Lymphoma Malignant |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 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. 95011 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 5-(HYDROXYMETHYL)-2-FURFURAL
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 Pathologist: TOFT, J. - Blackshear, P.

Date Report Reqsted: 11/10/2006
 Time Report Reqsted: 09:06:29
 First Dose M/F: 08/09/01 / 08/08/01
 Lab: BAT

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

ALIMENTARY SYSTEM

| |
|-----------------------------------|
| Esophagus | + |
| Gallbladder | + |
| Lymphoma Malignant | | | | | | | | | X | | | | | | | | | | | | | | | | |
| Intestine Large, Cecum | + |
| Intestine Large, Colon | + |
| Intestine Large, Rectum | + |
| Lymphoma Malignant | | | | | | | | | X | | | | | | | | | | | | | | | | |
| Intestine Small, Duodenum | + |
| Intestine Small, Ileum | + |
| Intestine Small, Jejunum | + |
| Peyer's Patch, Lymphoma Malignant | |
| Liver | + |
| Hepatocellular Adenoma | | | | | X | X | | X | X | | X | | X | | X | | X | | X | | X | | X | | |
| Hepatocellular Adenoma, Multiple | | | | X | | | | | | | | | | | | | X | | X | | X | | | | |
| Hepatocellular Carcinoma |

* .. 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. 95011 - 06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
5-(HYDROXYMETHYL)-2-FURFURAL
CAS Number: 67-47-0
Pathologist: TOFT, J. - Blackshear, P.

Date Report Reqsted: 11/10/2006
Time Report Reqsted: 09:06:29
First Dose M/F: 08/09/01 / 08/08/01
Lab: BAT

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

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------------------------------|--|--|--|--|--|--|--|--|--|---|---|--|--|--|--|--|--|---|--|--|--|--|---|--|--|
| Hepatocellular Carcinoma, Multiple | | | | | | | | | | | | | | | | | | | | | | | | | |
| Lymphoma Malignant | | | | | | | | | | X | | | | | | | | | | | | | | | |
| Mesentery | | | | | | | | | | + | | | | | | | | + | | | | | | | |
| Hemangiosarcoma, Metastatic, Spleen | | | | | | | | | | | | | | | | | | | | | | | | | |
| Lymphoma Malignant | | | | | | | | | | X | | | | | | | | | | | | | | | |
| Oral Mucosa | | | | | | | | | | + | | | | | | | | | | | | | + | | |
| Pancreas | | | | | | | | | | | | | | | | | | | | | | | | | |
| Lymphoma Malignant | | | | | | | | | | | X | | | | | | | | | | | | | | |
| Salivary Glands | | | | | | | | | | | | | | | | | | | | | | | | | |
| Lymphoma Malignant | | | | | | | | | | | X | | | | | | | | | | | | | | |
| Stomach, Forestomach | | | | | | | | | | | | | | | | | | | | | | | | | |
| Lymphoma Malignant | | | | | | | | | | | X | | | | | | | | | | | | | | |
| Stomach, Glandular | | | | | | | | | | | | | | | | | | | | | | | | | |
| Lymphoma Malignant | | | | | | | | | | | X | | | | | | | | | | | | | | |
| Tongue | | | | | | | | | | | | | | | | | | | | | | | | | |

CARDIOVASCULAR 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

TDMS No. 95011 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 5-(HYDROXYMETHYL)-2-FURFURAL
 CAS Number: 67-47-0
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Date Report Reqsted: 11/10/2006
 Time Report Reqsted: 09:06:29
 First Dose M/F: 08/09/01 / 08/08/01
 Lab: BAT

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

females
(cont...)

| | |
|-------------------------------------|---|
| Blood Vessel | + |
| Aorta, Lymphoma Malignant | X |
| Heart | + |
| Hemangiosarcoma, Metastatic, Spleen | + |
| Lymphoma Malignant | X |

ENDOCRINE SYSTEM

| | |
|-------------------------------------|---|
| Adrenal Cortex | + |
| Lymphoma Malignant | X |
| Adrenal Medulla | + |
| Islets, Pancreatic | + |
| Lymphoma Malignant | + |
| Parathyroid Gland | + |
| Pituitary Gland | + |
| Pars Distalis, Adenoma | + |
| Thyroid Gland | + |
| Lymphoma Malignant | X |
| Bilateral, Follicular Cell, Adenoma | + |

* .. 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
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TDMS No. 95011 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

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Date Report Requested: 11/10/2006
 Time Report Requested: 09:06:29
 First Dose M/F: 08/09/01 / 08/08/01
 Lab: BAT

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

females
(cont...)

Follicular Cell, Adenoma

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

Clitoral Gland

+ +

Ovary

+ +

Cystadenoma

X

Lymphoma Malignant

X

X

Oviduct

+

Lymphoma Malignant

Uterus

+ +

Histiocytic Sarcoma

X

Lymphoma Malignant

X

Polyp Stromal

X X

X

Sarcoma Stromal

Vagina

* .. 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. 95011 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
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Date Report Reqsted: 11/10/2006
 Time Report Reqsted: 09:06:29
 First Dose M/F: 08/09/01 / 08/08/01
 Lab: BAT

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

HEMATOPOIETIC SYSTEM

| |
|-------------------------------------|
| Bone Marrow | + |
| Hemangiosarcoma, Metastatic, Spleen | |
| Lymph Node | | | | | | | | | | | | | | | + | | | | | | | | | | |
| Inguinal, Lymphoma Malignant |
| Lumbar, Lymphoma Malignant | | | | | | | | | | | | | | | | X | | | | | | | | | |
| Mediastinal, Lymphoma Malignant | | | | | | | | | | | | | | | | X | | | | | | | | | |
| Renal, Lymphoma Malignant | | | | | | | | | | | | | | | | X | | | | | | | | | |
| Lymph Node, Mandibular | + | + | + | + | M | + |
| Lymphoma Malignant | | | | | | | | | | X | | | | | | X | | | | | | | | | |
| Lymph Node, Mesenteric | + |
| Lymphoma Malignant | | | | | | | | | | X | | | | | | X | | | | | | | | | |
| Spleen | + |
| Hemangiosarcoma |
| Lymphoma Malignant | | | | | | | | | | X | | | | | | X | | | | | | | | | |
| Thymus | + |
| Lymphoma Malignant | | | | | | | | | | 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. 95011 - 06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
5-(HYDROXYMETHYL)-2-FURFURAL
CAS Number: 67-47-0
Pathologist: TOFT, J. - Blackshear, P.

Date Report Reqsted: 11/10/2006
Time Report Reqsted: 09:06:29
First Dose M/F: 08/09/01 / 08/08/01
Lab: BAT

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

INTEGUMENTARY SYSTEM

| | |
|--|---|
| Mammary Gland | + |
| Carcinoma | | | | | | | | | | | | | | X | | | | | | | | | | | |
| Skin | + |
| Subcutaneous Tissue, Sarcoma Stromal, Metastatic, Uterus | |
| Subcutaneous Tissue, Schwannoma Malignant |
| | |

MUSCULOSKELETAL SYSTEM

| |
|------------------------|
| Bone | + |
| Vertebra, Osteosarcoma | |
| Skeletal Muscle |
| Lymphoma Malignant |

NERVOUS SYSTEM

| |
|--------------------|
| Brain | + |
| Lymphoma Malignant | |

* .. 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. 95011 - 06
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| | | | |
|---------------------------------|-------------|-------------------|--|
| B6C3F1 MICE FEMALE
375 MG/KG | DAY ON TEST | 4 | 7 | 6 | 7 | 7 | 5 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 4 | 7 | |
| | | 9 | 2 | 4 | 2 | 0 | 5 | 2 | 2 | 2 | 2 | 2 | 2 | 7 | 2 | 2 | 2 | 2 | 9 | 2 | 2 | 2 | 2 | 7 | 2 | |
| | 6 | 7 | 8 | 7 | 1 | 5 | 7 | 9 | 8 | 7 | 7 | 8 | 7 | 3 | 8 | 8 | 8 | 7 | 5 | 7 | 8 | 8 | 7 | 5 | 8 | |
| | | | |
| | ANIMAL ID | 0 | 0 | |
| | 0 | 0 | 0 | |
| | 3 | 3 | 3 | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | |
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | |
| | | females (cont...) | |

Peripheral Nerve

Spinal Cord

RESPIRATORY SYSTEM

| | |
|---|---|
| Lung | + |
| Alveolar/Bronchiolar Adenoma |
| Alveolar/Bronchiolar Carcinoma |
| Hepatocellular Carcinoma, Metastatic, Liver | |
| Lymphoma Malignant | | | | | | | | | | X | | | | | X | | | | | | | | | | |
| Mediastinum, Lymphoma Malignant | | | | | | | | | | X | | | | | | | | | | | | | | | |
| Nose | + |
| Lymphoma Malignant |
| Trachea | + |

SPECIAL SENSES SYSTEM

| |
|--------------------|
| Eye | + |
| Lymphoma Malignant | | | | | | | | | | X | | | | | | | | | | | | | | | |
| Harderian Gland | + |

* .. 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. 95011 - 06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

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Lab: BAT

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

Adenoma X X X X X X X X
Lymphoma Malignant X

Zymbal's Gland

URINARY SYSTEM

Kidney +
Hemangiosarcoma, Metastatic, Spleen
Lymphoma Malignant X
Urinary Bladder + + + + + + + + + M + + + + + + + + + + + + + +
Histiocytic Sarcoma, Metastatic, Uterus X
Lymphoma Malignant X
Sarcoma Stromal, Metastatic, Uterus

SYSTEMIC LESIONS

Multiple Organ +
Histiocytic Sarcoma X
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. 95011 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

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Date Report Requested: 11/10/2006
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 First Dose M/F: 08/09/01 / 08/08/01
 Lab: BAT

| | | | |
|---------------------------------|-------------|-----------------------|--|
| B6C3F1 MICE FEMALE
375 MG/KG | DAY ON TEST | 7
2
7 | 7
2
8 | 7
2
9 | 7
0
0 | 7
2
7 | 6
7
3 | 7
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7 | 6
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| | ANIMAL ID | 0
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| | | | |
| | | | |
| * TOTALS | | | |

ALIMENTARY SYSTEM

| | | |
|-----------------------------------|----|----|
| Esophagus | + | 50 | |
| Gallbladder | + | M | + | + | 49 |
| Lymphoma Malignant | | | | | | | | | X | | | | | | | | | | | | | | | | | | 2 |
| Intestine Large, Cecum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Intestine Large, Colon | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Intestine Large, Rectum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Lymphoma Malignant |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 |
| Intestine Small, Duodenum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Intestine Small, Ileum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Intestine Small, Jejunum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Peyer's Patch, Lymphoma Malignant | | | | | | | | | | X | | | | | | | | | | | | | | | | | 1 |
| Liver | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Hepatocellular Adenoma | X | | | | X | | X | X | | | X | | | | | X | | X | | | X | | | X | X | | 19 |
| Hepatocellular Adenoma, Multiple | | | | | | | | | | | | | X | X | X | | | | | | | | | | | | 7 |
| Hepatocellular Carcinoma | | | | | | | | | | | 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. 95011 - 06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

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Lab: BAT

| | | |
|-------------------------------------|-------------|-----------------------|
| B6C3F1 MICE FEMALE

375 MG/KG | DAY ON TEST | 7
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9 | 7
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|-------------------------------------|----|
| Hepatocellular Carcinoma, Multiple | 1 |
| Lymphoma Malignant | | | | | | | | | | X | | | X | | | | | | | | | | | | | | 3 |
| Mesentery | + | | | | | | | + | | + | | | | | | | | | | | + | | | | | | 6 |
| Hemangiosarcoma, Metastatic, Spleen | | | | | | | | X | | | | | | | | | | | | | | | | | | | 1 |
| Lymphoma Malignant | | | | | | | | | | X | | | | | | | | | | | | | | | | | 2 |
| Oral Mucosa |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 2 |
| Pancreas | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Lymphoma Malignant | | | | | | | | | | X | | | | | | | | | | | | | | | | | 2 |
| Salivary Glands | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 |
| Lymphoma Malignant |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 |
| Stomach, Forestomach | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Lymphoma Malignant |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 |
| Stomach, Glandular | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Lymphoma Malignant |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 |
| Tongue | | | | | | | | | | | | | M | | | | | | | | | | | | | | 0 |

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

TDMS No. 95011 - 06
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 Species/Strain: MICE/B6C3F1

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 Lab: BAT

| B6C3F1 MICE FEMALE
375 MG/KG | | DAY ON TEST | |
|---------------------------------|--|-----------------------|-------------|
| | | 7
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| B6C3F1 MICE FEMALE
375 MG/KG | | ANIMAL ID | |
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| | | * TOTALS | |

| | |
|-------------------------------------|----|
| Blood Vessel | 3 |
| Aorta, Lymphoma Malignant | 1 |
| Heart | 50 |
| Hemangiosarcoma, Metastatic, Spleen | 1 |
| Lymphoma Malignant |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 |

ENDOCRINE SYSTEM

| | |
|-------------------------------------|----|
| Adrenal Cortex |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 50 |
| Lymphoma Malignant |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 2 |
| Adrenal Medulla |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 50 |
| Islets, Pancreatic |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 50 |
| Lymphoma Malignant |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 |
| Parathyroid Gland |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 33 |
| Pituitary Gland |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 47 |
| Pars Distalis, Adenoma |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 4 |
| Thyroid Gland | 49 |
| Lymphoma Malignant | 1 |
| Bilateral, Follicular Cell, Adenoma | 1 |

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 + .. Tissue examined microscopically
 x .. Lesion present
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| | | |
|---------------------------------|-------------|----------|
| B6C3F1 MICE FEMALE
375 MG/KG | DAY ON TEST | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 6 | 7 | 6 | 6 | 7 | 7 | 7 | 7 | 6 | 7 | 6 | 7 | 7 | 7 | 5 | 6 | 7 |
| | | 2 | 2 | 2 | 0 | 2 | 7 | 2 | 2 | 7 | 2 | 9 | 5 | 2 | 2 | 2 | 2 | 2 | 2 | 4 | 2 | 2 | 2 | 3 | 1 | 2 |
| | | 7 | 8 | 9 | 0 | 7 | 3 | 2 | 7 | 5 | 9 | 3 | 4 | 9 | 8 | 9 | 7 | 6 | 1 | 9 | 8 | 7 | 7 | 1 | 5 | 7 |
| | ANIMAL ID | 0 | 0 |
| | | 0 | 0 |
| | | 3 | 3 |
| | | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 |
| | | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 |
| | | * TOTALS | |

Follicular Cell, Adenoma X 1

GENERAL BODY SYSTEM
NONE

GENITAL SYSTEM

| | |
|---------------------|----|
| Clitoral Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | 49 |
| Ovary | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 |
| Cystadenoma | | | | | | | | | | | | X | | | | | | | | | | | | | | 2 |
| Lymphoma Malignant | | | | | | | | | | | | X | | | | | | | | | | | | | | 3 |
| Oviduct | | | | | | | | | | | | + | | | | | | | | | | | | | | 2 |
| Lymphoma Malignant | | | | | | | | | | | | X | | | | | | | | | | | | | | 1 |
| Uterus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Histiocytic Sarcoma | | 1 |
| Lymphoma Malignant | | | | | | | | | | | | X | | | | | | | | | | | | | | 2 |
| Polyp Stromal | 3 |
| Sarcoma Stromal | X | | | | 1 |
| Vagina | + | | | 1 |

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+ .. Tissue examined microscopically

x .. Lesion present

l .. Insufficient tissue

M .. Missing tissue

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 Lab: BAT

| B6C3F1 MICE FEMALE
375 MG/KG | | DAY ON TEST | |
|---------------------------------|--|-----------------------|-------------|
| | | 7
2
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| B6C3F1 MICE FEMALE
375 MG/KG | | ANIMAL ID | |
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| | | * TOTALS | |

HEMATOPOIETIC SYSTEM

| | |
|-------------------------------------|----|
| Bone Marrow | + | 50 |
| Hemangiosarcoma, Metastatic, Spleen | | | | | | | | X | | | | | | | | | | | | | | | | | | 1 |
| Lymph Node | | | | | | | | | | + | | | + | | | | | | | | | | | | | 3 |
| Inguinal, Lymphoma Malignant | | | | | | | | | X | | | | | | | | | | | | | | | | | 1 |
| Lumbar, Lymphoma Malignant |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 |
| Mediastinal, Lymphoma Malignant | | | | | | | | | | X | | | X | | | | | | | | | | | | | 3 |
| Renal, Lymphoma Malignant |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 |
| Lymph Node, Mandibular | + | + | + | + | + | + | + | + | M | + | M | + | + | + | + | + | + | + | + | M | + | + | + | + | + | 46 |
| Lymphoma Malignant | | | | | | | | | | | | X | | | | | | | | | | | | | | 3 |
| Lymph Node, Mesenteric | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | 49 |
| Lymphoma Malignant | | | | | | | | | X | X | | X | | | | | | | | | | | | | | 5 |
| Spleen | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Hemangiosarcoma | | | | | | | X | | | | | | | | | | | | | | | | | | | 1 |
| Lymphoma Malignant | | | | | | | | | | X | | | X | | | | | | | | | | | | | 4 |
| Thymus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Lymphoma Malignant | | | | | | | | | | | | X | | | | | | | | | | | | | | 3 |

* .. 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. 95011 - 06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
5-(HYDROXYMETHYL)-2-FURFURAL
CAS Number: 67-47-0
Pathologist: TOFT, J. - Blackshear, P.

Date Report Reqsted: 11/10/2006
Time Report Reqsted: 09:06:29
First Dose M/F: 08/09/01 / 08/08/01
Lab: BAT

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

INTEGUMENTARY SYSTEM

| | |
|--|----|
| Mammary Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Carcinoma |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 |
| Skin | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Subcutaneous Tissue, Sarcoma Stromal, Metastatic, Uterus |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | X | | | | | 1 |
| Subcutaneous Tissue, Schwannoma Malignant |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 |

MUSCULOSKELETAL SYSTEM

| | |
|------------------------|----|
| Bone | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Vertebra, Osteosarcoma |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 |
| Skeletal Muscle |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 |
| Lymphoma Malignant |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 |

NERVOUS SYSTEM

| | |
|--------------------|----|
| Brain | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Lymphoma Malignant | | | | | | | | | | | | | X | | | | | | | | | | | | | 1 |

* .. 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. 95011 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 5-(HYDROXYMETHYL)-2-FURFURAL
 CAS Number: 67-47-0
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Date Report Reqsted: 11/10/2006
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 First Dose M/F: 08/09/01 / 08/08/01
 Lab: BAT

| | | | | |
|---------------------------------|-------------|-----------------------|--|--|
| B6C3F1 MICE FEMALE
375 MG/KG | DAY ON TEST | 7
2
7 | 7
2
8 | 7
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9 | 7
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0 | 7
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7 | 6
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3 | 7
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7 | 6
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4 | 7
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7 | 6
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| | ANIMAL ID | 0
0
3
2
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TDMS No. 95011 - 06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
5-(HYDROXYMETHYL)-2-FURFURAL
CAS Number: 67-47-0
Pathologist: TOFT, J. - Blackshear, P.

Date Report Reqsted: 11/10/2006
Time Report Reqsted: 09:06:29
First Dose M/F: 08/09/01 / 08/08/01
Lab: BAT

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

| | | |
|--------------------|---|---|
| Adenoma | X |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 9 |
| Lymphoma Malignant |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 |
| Zymbal's Gland | + |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 |

URINARY SYSTEM

| | |
|---|----|
| Kidney | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Hemangiosarcoma, Metastatic, Spleen | X |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 |
| Lymphoma Malignant | X |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 2 |
| Urinary Bladder | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 |
| Histiocytic Sarcoma, Metastatic, Uterus |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 |
| Lymphoma Malignant |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 |
| Sarcoma Stromal, Metastatic, Uterus | X |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 |

SYSTEMIC LESIONS

| | | |
|---------------------|-------|----|
| Multiple Organ | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Histiocytic Sarcoma |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 |
| Lymphoma Malignant | X X X |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 5 |

* .. 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. 95011 - 06
Test Type: CHRONIC
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Lab: BAT

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

ALIMENTARY SYSTEM

| |
|------------------------------------|
| Esophagus | + |
| Gallbladder | + |
| Intestine Large, Cecum | + |
| Intestine Large, Colon | + |
| Intestine Large, Rectum | + |
| Intestine Small, Duodenum | + |
| Intestine Small, Ileum | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Small, Jejunum | + |
| Liver | + |
| Hepatocellular Adenoma |
| Hepatocellular Adenoma, Multiple |
| Hepatocellular Carcinoma |
| Hepatocellular Carcinoma, Multiple | |
| Lymphoma Malignant |

* .. 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. 95011 - 06
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Lab: BAT

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

Mesentery

Pancreas

Salivary Glands

Stomach, Forestomach
Squamous Cell Papilloma

Stomach, Glandular

CARDIOVASCULAR SYSTEM

Blood Vessel

Heart

ENDOCRINE SYSTEM

Adrenal Cortex

Adrenal Medulla

Islets, Pancreatic

* .. 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. 95011 - 06
Test Type: CHRONIC
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| | | |
|---------------------------------|-------------|----------------------|
| B6C3F1 MICE FEMALE
750 MG/KG | DAY ON TEST | 4 | 2 | 7 | 4 | 7 | 7 | 6 | 1 | 7 | 1 | 7 | 2 | 7 | 7 | 1 | 4 | 7 | 7 | 7 | 7 | 3 | 7 | 2 | 4 | 4 | females
(cont...) |
| | | 4 | 0 | 2 | 2 | 2 | 2 | 7 | 2 | 2 | 9 | 2 | 0 | 2 | 2 | 8 | 4 | 2 | 2 | 2 | 1 | 0 | 2 | 3 | 6 | 6 | |
| | | 3 | 6 | 8 | 7 | 9 | 8 | 5 | 2 | 7 | 0 | 8 | 6 | 8 | 9 | 1 | 8 | 8 | 8 | 9 | 8 | 3 | 8 | 7 | 8 | 8 | |
| | ANIMAL ID | 0 | |
| | | 0 | |
| | | 3 | females
(cont...) |
| | | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | |
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | |
| Parathyroid Gland | | M | + | + | + | + | + | + | + | + | M | + | M | + | M | + | + | M | M | + | M | M | + | M | + | + | females
(cont...) |
| Pituitary Gland | | + | + | + | + | + | + | + | + | M | + | M | + | + | M | + | + | M | M | M | + | + | + | + | + | + | |
| Thyroid Gland | | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | |

GENERAL BODY SYSTEM
NONE

GENITAL SYSTEM

| |
|--------------------|
| Clitoral Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + |
| Ovary | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + |
| Cystadenoma | | | | | | | | | | X | | | | | | | | | | X | | | | | | |
| Lymphoma Malignant |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | X | | | | |
| Uterus | + |
| Hemangiosarcoma | | | | X | |
| Lymphoma Malignant |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | X | | | | |
| Polyp Stromal |

HEMATOPOIETIC 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. 95011 - 06
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Date Report Requested: 11/10/2006
 Time Report Requested: 09:06:29
 First Dose M/F: 08/09/01 / 08/08/01
 Lab: BAT

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

females
(cont...)

Bone Marrow +

Lymph Node +

Mediastinal, Lymphoma Malignant X

Pancreatic, Lymphoma Malignant X

Lymph Node, Mandibular M M + + + + + M + + + M + + + + + + + M + + + + +

Lymph Node, Mesenteric + + + + + + + + + + + + M + + + + + + + + + + +

Lymphoma Malignant X

Spleen +

Lymphoma Malignant X

Thymus + + + + + + + + + + M + + + + + + + + + + M + + +

Lymphoma Malignant X

INTEGUMENTARY SYSTEM

Mammary Gland + + + + + + + M + M + + + + M + + + + + + + +

Skin +

MUSCULOSKELETAL 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. 95011 - 06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
5-(HYDROXYMETHYL)-2-FURFURAL
CAS Number: 67-47-0
Pathologist: TOFT, J. - Blackshear, P.

Date Report Reqsted: 11/10/2006
Time Report Reqsted: 09:06:29
First Dose M/F: 08/09/01 / 08/08/01
Lab: BAT

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

| |
|------------------|
| Bone | + |
| Skeletal Muscle | |
| Rhabdomyosarcoma | |

NERVOUS SYSTEM

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

RESPIRATORY SYSTEM

| | |
|---|---|
| Lung | + |
| Alveolar/Bronchiolar Adenoma |
| Hemangioma |
| Hepatocellular Carcinoma, Metastatic, Liver | |
| Lymphoma Malignant |
| Nose | + |
| Trachea | + |

SPECIAL SENSES 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. 95011 - 06
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: MICE/B6C3F1

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5-(HYDROXYMETHYL)-2-FURFURAL
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Date Report Reqsted: 11/10/2006
Time Report Reqsted: 09:06:29
First Dose M/F: 08/09/01 / 08/08/01
Lab: BAT

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

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

URINARY SYSTEM

| |
|-----------------|
| Kidney | + |
| Urinary Bladder | + |

SYSTEMIC LESIONS

| |
|--------------------|
| Multiple Organ | + |
| Lymphoma Malignant | | | | | | X | | | | | | | | | | | | | | 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. 95011 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 5-(HYDROXYMETHYL)-2-FURFURAL
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Pathologist: TOFT, J. - Blackshear, P.

Date Report Reqsted: 11/10/2006
Time Report Reqsted: 09:06:29
First Dose M/F: 08/09/01 / 08/08/01
Lab: BAT

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

ALIMENTARY SYSTEM

| | |
|------------------------------------|----|
| Esophagus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | 49 |
| Gallbladder | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | M | + | + | + | + | + | 48 |
| Intestine Large, Cecum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Intestine Large, Colon | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Intestine Large, Rectum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Intestine Small, Duodenum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Intestine Small, Ileum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 |
| Intestine Small, Jejunum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Liver | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Hepatocellular Adenoma | X | | | | | | | | | | | | | | | | | X | | | | X | | X | | 5 |
| Hepatocellular Adenoma, Multiple | | | | | | | | | | | | | | | | | | X | | | | | | | | 1 |
| Hepatocellular Carcinoma | | | | | X | | | | | | | | | X | | X | | | | | | | | | | 3 |
| Hepatocellular Carcinoma, Multiple | | | | | | | | | | | | X | | | | | | | | | | | | | | 1 |
| 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. 95011 - 06
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Species/Strain: MICE/B6C3F1

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Time Report Reqsted: 09:06:29
First Dose M/F: 08/09/01 / 08/08/01
Lab: BAT

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

| | |
|-------------------------|----|
| Mesentery | + |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 |
| Pancreas | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Salivary Glands | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | M | + | + | + | + | + | + | + | 43 |
| Stomach, Forestomach | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Squamous Cell Papilloma | | | X | | | | | | | | | | | | | | | | | | | | X | | | 3 |
| Stomach, Glandular | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |

CARDIOVASCULAR SYSTEM

| | |
|--------------|----|
| Blood Vessel | + |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 2 |
| Heart | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |

ENDOCRINE SYSTEM

| | |
|--------------------|----|
| Adrenal Cortex | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 |
| Adrenal Medulla | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 |
| Islets, Pancreatic | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 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

TDMS No. 95011 - 06
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Species/Strain: MICE/B6C3F1

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First Dose M/F: 08/09/01 / 08/08/01
Lab: BAT

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

| | |
|-------------------|----|
| Parathyroid Gland | + | M | + | + | + | + | + | + | + | + | + | + | + | + | M | + | M | + | M | + | + | + | + | M | + | 36 |
| Pituitary Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 44 |
| Thyroid Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | 47 |

GENERAL BODY SYSTEM
NONE

GENITAL SYSTEM

| | |
|--------------------|----|
| Clitoral Gland | + | + | + | M | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 47 |
| Ovary | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | | 48 |
| Cystadenoma |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 2 |
| Lymphoma Malignant |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 |
| Uterus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Hemangiosarcoma |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 |
| Lymphoma Malignant |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 |
| Polyp Stromal | | | | | | | | X | | | | | | | | | | | | | | | | | | 1 |

HEMATOPOIETIC 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. 95011 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 5-(HYDROXYMETHYL)-2-FURFURAL
 CAS Number: 67-47-0
 Pathologist: TOFT, J. - Blackshear, P.

Date Report Reqsted: 11/10/2006
 Time Report Reqsted: 09:06:29
 First Dose M/F: 08/09/01 / 08/08/01
 Lab: BAT

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

| | |
|-------------|----|
| Bone Marrow | + | 50 |
|-------------|----|

| | | |
|------------|---|---|
| Lymph Node | + | 3 |
|------------|---|---|

| | |
|---------------------------------|---|
| Mediastinal, Lymphoma Malignant | 1 |
|---------------------------------|---|

| | |
|--------------------------------|---|
| Pancreatic, Lymphoma Malignant | 2 |
|--------------------------------|---|

| | |
|------------------------|----|
| Lymph Node, Mandibular | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | M | + | + | + | + | + | + | + | 43 |
|------------------------|----|

| | |
|------------------------|----|
| Lymph Node, Mesenteric | + | 49 |
|------------------------|----|

| | |
|--------------------|---|
| Lymphoma Malignant | 1 |
|--------------------|---|

| | |
|--------|----|
| Spleen | + | 50 |
|--------|----|

| | |
|--------------------|---|
| Lymphoma Malignant | 1 |
|--------------------|---|

| | |
|--------|----|
| Thymus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | 47 |
|--------|----|

| | |
|--------------------|---|
| Lymphoma Malignant | 1 |
|--------------------|---|

INTEGUMENTARY SYSTEM

| | |
|---------------|----|
| Mammary Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | 46 |
|---------------|----|

| | |
|------|----|
| Skin | + | 50 |
|------|----|

MUSCULOSKELETAL 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. 95011 - 06
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

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 5-(HYDROXYMETHYL)-2-FURFURAL
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 First Dose M/F: 08/09/01 / 08/08/01
 Lab: BAT

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

| | |
|------|----|
| Bone | + | 50 |
|------|----|

| | | |
|-----------------|---|---|
| Skeletal Muscle | + | 2 |
|-----------------|---|---|

| | |
|------------------|---|
| Rhabdomyosarcoma | 1 |
|------------------|---|

NERVOUS SYSTEM

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

RESPIRATORY SYSTEM

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

| | |
|------------------------------|---|
| Alveolar/Bronchiolar Adenoma | 3 |
|------------------------------|---|

| | | |
|------------|---|---|
| Hemangioma | X | 1 |
|------------|---|---|

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|--|--|--|--|---|--|--|--|--|--|--|--|--|---|--|---|--|--|--|--|--|--|--|--|---|
| Hepatocellular Carcinoma, Metastatic, Liver | | | | | X | | | | | | | | | X | | X | | | | | | | | | 3 |
|---|--|--|--|--|---|--|--|--|--|--|--|--|--|---|--|---|--|--|--|--|--|--|--|--|---|

| | |
|--------------------|---|
| Lymphoma Malignant | 1 |
|--------------------|---|

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

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

SPECIAL SENSES 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. 95011 - 06
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| | | |
|---------------------------------|-------------|----------|
| B6C3F1 MICE FEMALE
750 MG/KG | DAY ON TEST | 7 | 7 | 6 | 6 | 3 | 7 | 7 | 7 | 4 | 7 | 7 | 7 | 6 | 4 | 5 | 7 | 7 | 2 | 3 | 1 | 4 | 7 | 7 | 2 | 7 |
| | | 2 | 2 | 4 | 2 | 9 | 2 | 2 | 2 | 7 | 0 | 2 | 1 | 5 | 2 | 0 | 2 | 2 | 1 | 5 | 9 | 2 | 2 | 2 | 3 | 2 |
| | | 7 | 8 | 4 | 1 | 9 | 7 | 7 | 8 | 0 | 8 | 7 | 0 | 9 | 9 | 7 | 9 | 8 | 1 | 9 | 9 | 9 | 7 | 8 | 0 | 8 |
| | ANIMAL ID | 0 | 0 |
| | | 0 | 0 |
| | | 3 | 3 | 4 |
| | | 7 | 7 | 7 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 0 |
| | | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 |
| | | * TOTALS | |

Eye + 50

Harderian Gland + 48

Adenoma X 3

URINARY SYSTEM

Kidney + 50

Urinary Bladder + 50

SYSTEMIC LESIONS

Multiple Organ + 50

Lymphoma Malignant 2

*** END OF REPORT ***

* .. 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