

**TDMS No.** 20321 - 02

**Test Type:** 90-DAY

**Route:** GAVAGE

**Species/Strain:** MICE/B6C3F1

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

Tetrabromobisphenol A-bis(2,3-dibromopropyl ether)

**CAS Number:** 21850-44-2

**Date Report Reqstd:** 12/28/2007

**Time Report Reqstd:** 13:02:03

**First Dose M/F:** 01/12/06 / 01/11/06

**Lab:** BAT

F1\_M3

**C Number:** C20321

**Lock Date:** 01/05/2007

**Cage Range:** ALL

**Date Range:** ALL

**Reasons For Removal:** ALL

**Removal Date Range:** ALL

**Treatment Groups:** Include ALL

**TDMSE Version:** 1.9.1

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Lab: BAT

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

**\* TOTALS****ALIMENTARY SYSTEM**

Esophagus	+	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Gallbladder	+	+	+	+	+	M	+	+	+	+		<b>9</b>
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+		<b>10</b>
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+		<b>10</b>
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+		<b>10</b>
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+		<b>10</b>
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+		<b>10</b>
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+		<b>10</b>
Liver	+	+	+	+	+	+	+	+	+	+		<b>10</b>
Infiltration Cellular, Mononuclear Cell	1	1			1							<b>3 1.0</b>
Pancreas	+	+	+	+	+	+	+	+	+	+		<b>10</b>
Salivary Glands	+	+	+	+	+	+	+	+	+	+		<b>10</b>
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+		<b>10</b>

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

l .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

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Lab: BAT

	DAY ON TEST	0 0 9 3	0 0 9 3							
<b>B6C3F1 MICE MALE</b>		0 0 3 0 1	0 0 3 0 2	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 0 0	
<b>0 mg/kg</b>	ANIMAL ID									

**\* TOTALS**

Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	10
--------------------	---	---	---	---	---	---	---	---	---	---	----

**CARDIOVASCULAR SYSTEM**

Blood Vessel	+	+	+	+	+	+	+	+	+	+	10
Heart	+	+	+	+	+	+	+	+	+	+	10

**ENDOCRINE SYSTEM**

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

**GENERAL BODY SYSTEM**

NONE

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Lab: BAT

DAY ON TEST	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	9	9	9	9	9	9	9	9	9	9
	3	3	3	3	3	3	3	3	3	3
	.....									
<b>B6C3F1 MICE MALE</b>	0	0	0	0	0	0	0	0	0	0
<b>0 mg/kg</b>	0	0	0	0	0	0	0	0	0	0
	3	3	3	3	3	3	3	3	3	3
	0	0	0	0	0	0	0	0	0	1
	1	2	3	4	5	6	7	8	9	0
	<b>* TOTALS</b>									

**GENITAL SYSTEM**

Epididymis	+	+	+	+	+	+	+	+	+	+	10
Preputial Gland	+	+	+	+	+	+	+	+	+	+	10
Prostate	+	+	+	+	+	+	+	+	+	+	10
Infiltration Cellular, Mononuclear Cell					1		1	1	1		4 1.0
Epithelium, Hyperplasia					2						1 2.0
Seminal Vesicle	+	+	+	+	+	+	+	+	+	+	10
Testes	+	+	+	+	+	+	+	+	+	+	10

**HEMATOPOIETIC SYSTEM**

Bone Marrow	+	+	+	+	+	+	+	+	+	+	10
Lymph Node, Mandibular	+	+	+	+	+	+	+	+	+	+	10
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	10
Spleen	+	+	+	+	+	+	+	+	+	+	10

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Lab: BAT

DAY ON TEST	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	9	9	9	9	9	9	9	9	9	9
	3	3	3	3	3	3	3	3	3	3
<b>B6C3F1 MICE MALE</b> <b>0 mg/kg</b>	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	3	3	3	3	3	3	3	3	3	3
	0	0	0	0	0	0	0	0	0	1
	1	2	3	4	5	6	7	8	9	0
	<b>* TOTALS</b>									
Thymus	+	+	+	+	+	+	+	+	+	+
										<b>10</b>

**INTEGUMENTARY SYSTEM**

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

**MUSCULOSKELETAL SYSTEM**

Bone	+	+	+	+	+	+	+	+	+	+
------	---	---	---	---	---	---	---	---	---	---

**NERVOUS SYSTEM**

Brain	+	+	+	+	+	+	+	+	+	+
-------	---	---	---	---	---	---	---	---	---	---

**RESPIRATORY SYSTEM**

Lung	+	+	+	+	+	+	+	+	+	+
Nose	+	+	+	+	+	+	+	+	+	+
Trachea	+	+	+	+	+	+	+	+	+	+

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

\* TOTALS

## SPECIAL SENSES SYSTEM

Eye	+	+	+	+	+	+	+	+	+	+	10
Harderian Gland	+	+	+	+	+	+	+	+	+	+	10

## URINARY SYSTEM

Kidney Infiltration Cellular, Mononuclear Cell	+	+	+	+	+	+	+	+	+	+	10 3 1.0
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	10

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DAY ON TEST	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	9	9	9	9	9	9	9	9	9	9
	3	3	3	3	3	3	3	3	3	3
	.....									
<b>B6C3F1 MICE MALE</b>	ANIMAL ID	0	0	0	0	0	0	0	0	0
<b>2000 mg/kg</b>		0	0	0	0	0	0	0	0	0
		3	3	3	3	3	3	3	3	3
		5	5	5	5	5	5	5	5	6
		1	2	3	4	5	6	7	8	9

**\* TOTALS****ALIMENTARY SYSTEM**

Esophagus	+	+	+	+	+	+	+	+	+	+	10	1 1.0
Infiltration Cellular, Mononuclear Cell			1									
Gallbladder	+	+	+	+	+	+	+	+	+	+	10	
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	10	
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	10	
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	10	
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	10	
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	10	
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	10	
Liver	+	+	+	+	+	+	+	+	+	+	10	
Infiltration Cellular, Mononuclear Cell			1	1		1	1					4 1.0
Pancreas	+	+	+	+	+	+	+	+	+	+	10	
Inflammation, Chronic Active			1									1 1.0
Salivary Glands	+	+	+	+	+	+	+	+	+	+	10	

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First Dose M/F: 01/12/06 / 01/11/06

Lab: BAT

B6C3F1 MICE MALE 2000 mg/kg	ANIMAL ID	DAY ON TEST										* TOTALS
		0	0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	0	
		9	9	9	9	9	9	9	9	9	9	
		3	3	3	3	3	3	3	3	3	3	

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

Stomach, Glandular + + + + + + + + + + 10

**CARDIOVASCULAR SYSTEM**

Blood Vessel + + + + + + + + + + 10

Heart + + + + + + + + + + 10

**ENDOCRINE SYSTEM**

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

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

Islets, Pancreatic + + + + + + + + + + 10

Parathyroid Gland + + + + + + + + + + 10

Pituitary Gland + + + + + + + + + M 9

Thyroid Gland + + + + + + + + + + 10

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DAY ON TEST	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	9	9	9	9	9	9	9	9	9	9
	3	3	3	3	3	3	3	3	3	3
B6C3F1 MICE MALE 2000 mg/kg	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	3	3	3	3	3	3	3	3	3	3
	5	5	5	5	5	5	5	5	5	6
	1	2	3	4	5	6	7	8	9	0
	* TOTALS									

**GENERAL BODY SYSTEM**

NONE

**GENITAL SYSTEM**

Epididymis	+	+	+	+	+	+	+	+	+	+	10
Preputial Gland	+	+	+	+	+	+	+	+	+	+	10
Prostate	+	+	+	+	+	+	+	+	+	+	10
Infiltration Cellular, Mononuclear Cell		1				1	1	1			4 1.0
Seminal Vesicle	+	+	+	+	+	+	+	+	+	+	10
Testes	+	+	+	+	+	+	+	+	+	+	10

**HEMATOPOIETIC SYSTEM**

Bone Marrow	+	+	+	+	+	+	+	+	+	+	10
Lymph Node, Mandibular	+	+	+	+	+	+	+	+	+	+	10
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	10
Spleen	+	+	+	+	+	+	+	+	+	+	10

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B6C3F1 MICE MALE 2000 mg/kg	ANIMAL ID	DAY ON TEST										* TOTALS
		0	0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	0	
		9	9	9	9	9	9	9	9	9	9	
		3	3	3	3	3	3	3	3	3	3	

Thymus	+	+	+	+	+	+	+	+	+	+	+	10
--------	---	---	---	---	---	---	---	---	---	---	---	----

## INTEGUMENTARY SYSTEM

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

## MUSCULOSKELETAL SYSTEM

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

## NERVOUS SYSTEM

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

## RESPIRATORY SYSTEM

Lung	+	+	+	+	+	+	+	+	+	+	+	10
Alveolus, Infiltration Cellular, Mononuclear Cell												1 1.0
Nose	+	+	+	+	+	+	+	+	+	+	+	10

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Lab: BAT

DAY ON TEST	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	9	9	9	9	9	9	9	9	9	9
	3	3	3	3	3	3	3	3	3	3
<b>B6C3F1 MICE MALE</b> <b>2000 mg/kg</b>	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	3	3	3	3	3	3	3	3	3	3
	5	5	5	5	5	5	5	5	5	6
	1	2	3	4	5	6	7	8	9	0

\* TOTALS

Trachea + + + + + + + + + 10

**SPECIAL SENSES SYSTEM**

Eye + + + + + + + + + 10

Harderian Gland + + + + + + + + + 10

**URINARY SYSTEM**

Kidney	+ + + + + + + + +	10
Infiltration Cellular, Mononuclear Cell	1 1 1	3 1.0
Nephropathy	1	1 1.0

Urinary Bladder + + + + + + + + + 10

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

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+ .. Tissue examined microscopically

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B6C3F1 MICE FEMALE	0 mg/kg	ANIMAL ID	DAY ON TEST										* TOTALS	
			0	0	0	0	0	0	0	0	0	0		
			0	0	0	0	0	0	0	0	0	0		
			9	9	9	9	9	9	9	9	9	9		
			3	3	3	3	3	3	3	3	3	3	*	TOTALS

**ALIMENTARY SYSTEM**

Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	10
Gallbladder	+	+	+	+	+	+	+	+	+	+	+	+	10
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	+	+	10
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	10
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	+	10
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	+	+	10
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	+	+	10
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	+	+	10
Liver	+	+	+	+	+	+	+	+	+	+	+	+	10
Infiltration Cellular, Mononuclear Cell	1	1	1	1	1	1	1	1	1	1	1	1	9 1.0
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	10
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	10
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	10

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

l .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

TDMS No. 20321 - 02

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: MICE/B6C3F1

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

Tetrabromobisphenol A-bis(2,3-dibromopropyl ether)

CAS Number: 21850-44-2

Date Report Reqstd: 12/28/2007

Time Report Reqstd: 13:02:03

First Dose M/F: 01/12/06 / 01/11/06

Lab: BAT

B6C3F1 MICE FEMALE 0 mg/kg	ANIMAL ID	DAY ON TEST										* TOTALS
		0	0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	0	
		9	9	9	9	9	9	9	9	9	9	
		3	3	3	3	3	3	3	3	3	3	
		0	0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	0	
		3	3	3	3	3	3	3	3	3	3	
		6	6	6	6	6	6	6	6	6	7	
		1	2	3	4	5	6	7	8	9	0	

Stomach, Glandular

+ + + + + + + + + + **10****CARDIOVASCULAR SYSTEM**

Blood Vessel

+ + + + + + + + + + **10**

Heart

+ + + + + + + + + + **10****ENDOCRINE SYSTEM**

Adrenal Cortex

+ + + + + + + + + + **10**

Adrenal Medulla

+ + + + + + + + + + **10**

Islets, Pancreatic

+ + + + + + + + + + **10**

Parathyroid Gland

M M M + + M + + + + **6**

Pituitary Gland

+ + + + + + + + + + **10**

Thyroid Gland

+ + + + + + + + + + **10****GENERAL BODY SYSTEM**

NONE

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

TDMS No. 20321 - 02

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: MICE/B6C3F1

## P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Tetrabromobisphenol A-bis(2,3-dibromopropyl ether)

CAS Number: 21850-44-2

Date Report Reqstd: 12/28/2007

Time Report Reqstd: 13:02:03

First Dose M/F: 01/12/06 / 01/11/06

Lab: BAT

| B6C3F1 MICE FEMALE<br>0 mg/kg | ANIMAL ID | DAY ON TEST |   |   |   |   |   |   |   |   |   | * TOTALS |
|-------------------------------|-----------|-------------|---|---|---|---|---|---|---|---|---|----------|
|                               |           | 0           | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |          |
|                               |           | 0           | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |          |
|                               |           | 9           | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |          |
|                               |           | 3           | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |          |

## GENITAL SYSTEM

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

## HEMATOPOIETIC SYSTEM

|                        |   |   |   |   |   |   |   |   |   |   |   |    |
|------------------------|---|---|---|---|---|---|---|---|---|---|---|----|
| Bone Marrow            | + | + | + | + | + | + | + | + | + | + | + | 10 |
| Lymph Node, Mandibular | + | + | + | + | + | + | + | + | + | + | + | 10 |
| Lymph Node, Mesenteric | + | + | + | + | + | + | + | + | + | + | + | 10 |
| Spleen                 | + | + | + | + | + | + | + | + | + | + | + | 10 |
| Thymus                 | + | + | + | + | + | + | + | + | + | + | + | 10 |

## INTEGUMENTARY SYSTEM

|               |   |   |   |   |   |   |   |   |   |   |   |    |
|---------------|---|---|---|---|---|---|---|---|---|---|---|----|
| Mammary Gland | + | + | + | + | + | + | + | + | + | + | + | 10 |
|---------------|---|---|---|---|---|---|---|---|---|---|---|----|

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

l .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

TDMS No. 20321 - 02

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: MICE/B6C3F1

## P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Tetrabromobisphenol A-bis(2,3-dibromopropyl ether)

CAS Number: 21850-44-2

Date Report Reqstd: 12/28/2007

Time Report Reqstd: 13:02:03

First Dose M/F: 01/12/06 / 01/11/06

Lab: BAT

| B6C3F1 MICE FEMALE<br>0 mg/kg        | ANIMAL ID | DAY ON TEST |   |   |   |   |   |   |   |   |   | * TOTALS    |  |
|--------------------------------------|-----------|-------------|---|---|---|---|---|---|---|---|---|-------------|--|
|                                      |           | 0           | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |             |  |
|                                      |           | 0           | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |             |  |
|                                      |           | 9           | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |             |  |
|                                      |           | 3           | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |             |  |
| Skin                                 |           | +           | + | + | + | + | + | + | + | + | + | 10          |  |
| <b>MUSCULOSKELETAL SYSTEM</b>        |           |             |   |   |   |   |   |   |   |   |   |             |  |
| Bone                                 |           | +           | + | + | + | + | + | + | + | + | + | 10          |  |
| <b>NERVOUS SYSTEM</b>                |           |             |   |   |   |   |   |   |   |   |   |             |  |
| Brain                                |           | +           | + | + | + | + | + | + | + | + | + | 10          |  |
| <b>RESPIRATORY SYSTEM</b>            |           |             |   |   |   |   |   |   |   |   |   |             |  |
| Lung<br>Inflammation, Chronic Active |           | +           | + | + | + | + | + | + | + | + | + | 10<br>1 2.0 |  |
| Nose                                 |           | +           | + | + | + | + | + | + | + | + | + | 10          |  |
| Trachea                              |           | +           | + | + | + | + | + | + | + | + | + | 10          |  |
| <b>SPECIAL SENSES SYSTEM</b>         |           |             |   |   |   |   |   |   |   |   |   |             |  |
| Eye                                  |           | +           | + | + | + | + | + | + | + | + | + | 10          |  |
| Harderian Gland                      |           | +           | + | + | + | + | + | + | + | + | + | 10          |  |

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

l .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

TDMS No. 20321 - 02

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: MICE/B6C3F1

## P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Tetrabromobisphenol A-bis(2,3-dibromopropyl ether)

CAS Number: 21850-44-2

Date Report Reqstd: 12/28/2007

Time Report Reqstd: 13:02:03

First Dose M/F: 01/12/06 / 01/11/06

Lab: BAT

| DAY ON TEST               | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0      |
|---------------------------|---|---|---|---|---|---|---|---|---|--------|
|                           | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0      |
|                           | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9      |
|                           | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3      |
| <b>B6C3F1 MICE FEMALE</b> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | *      |
|                           | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | TOTALS |
|                           | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |        |
|                           | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 |        |
| <b>0 mg/kg</b>            |   |   |   |   |   |   |   |   |   |        |

## URINARY SYSTEM

|   |   |   |   |   |   |   |   |   |   |   |       |
|---|---|---|---|---|---|---|---|---|---|---|-------|
| Kidney                                  | + | + | + | + | + | + | + | + | + | + | 10    |
| Casts Protein                           | 1 |   |   |   |   |   |   |   |   |   | 1 1.0 |
| Infiltration Cellular, Mononuclear Cell | 1 | 1 | 1 |   |   |   |   |   |   |   | 4 1.0 |
| Nephropathy                             |   |   |   | 1 |   |   |   |   |   |   | 1 1.0 |
| Urinary Bladder                         | + | + | + | + | + | + | + | + | + | + | 10    |

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

l .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

TDMS No. 20321 - 02

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: MICE/B6C3F1

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

Tetrabromobisphenol A-bis(2,3-dibromopropyl ether)

CAS Number: 21850-44-2

Date Report Reqstd: 12/28/2007

Time Report Reqstd: 13:02:03

First Dose M/F: 01/12/06 / 01/11/06

Lab: BAT

|                                  | DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|----------------------------------|-------------|---|---|---|---|---|---|---|---|---|---|
| B6C3F1 MICE FEMALE<br>2000 mg/kg | ANIMAL ID   | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|                                  |             | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
|                                  |             | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |

\* TOTALS

**ALIMENTARY SYSTEM**

|   |   |   |   |   |   |   |   |   |   |   |   |        |
|---|---|---|---|---|---|---|---|---|---|---|---|--------|
| Esophagus                               | + | + | + | + | + | + | + | + | + | + | + | 10     |
| Gallbladder                             | + | + | + | + | + | + | + | + | + | + | + | 10     |
| Intestine Large, Cecum                  | + | + | + | + | + | + | + | + | + | + | + | 10     |
| Intestine Large, Colon                  | + | + | + | + | + | + | + | + | + | + | + | 10     |
| Intestine Large, Rectum                 | + | + | + | + | + | + | + | + | + | + | + | 10     |
| Intestine Small, Duodenum               | + | + | + | + | + | + | + | + | + | + | + | 10     |
| Intestine Small, Ileum                  | + | + | + | + | + | + | + | + | + | + | + | 10     |
| Intestine Small, Jejunum                | + | + | + | + | + | + | + | + | + | + | + | 10     |
| Liver                                   | + | + | + | + | + | + | + | + | + | + | + | 10     |
| Infiltration Cellular, Mononuclear Cell | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 10 1.0 |
| Pancreas                                | + | + | + | + | + | + | + | + | + | + | + | 10     |
| Salivary Glands                         | + | + | + | + | + | + | + | + | + | + | + | 10     |
| Stomach, Forestomach                    | + | + | + | + | + | + | + | + | + | + | + | 10     |

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

TDMS No. 20321 - 02

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: MICE/B6C3F1

## P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Tetrabromobisphenol A-bis(2,3-dibromopropyl ether)

CAS Number: 21850-44-2

Date Report Reqstd: 12/28/2007

Time Report Reqstd: 13:02:03

First Dose M/F: 01/12/06 / 01/11/06

Lab: BAT

| B6C3F1 MICE FEMALE<br>2000 mg/kg | ANIMAL ID | DAY ON TEST |   |   |   |   |   |   |   |   |   | * TOTALS |
|----------------------------------|-----------|-------------|---|---|---|---|---|---|---|---|---|----------|
|                                  |           | 0           | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |          |
|                                  |           | 0           | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |          |
|                                  |           | 9           | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |          |
|                                  |           | 3           | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |          |
|                                  |           | 0           | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |          |
|                                  |           | 0           | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |          |
|                                  |           | 4           | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |          |
|                                  |           | 1           | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 |          |
|                                  |           | 1           | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 |          |

Stomach, Glandular

+ + + + + + + + + + 10

## CARDIOVASCULAR SYSTEM

Blood Vessel

+ + + + + + + + + + 10

Heart

+ + + + + + + + + + 10

## ENDOCRINE SYSTEM

Adrenal Cortex

+ + + + + + + + + + 10

Adrenal Medulla

+ + + + + + + + + + 10

Islets, Pancreatic

+ + + + + + + + + + 10

Parathyroid Gland

+ + + + + M + M M M 6

Pituitary Gland

+ + + + + + + + + + 10

Thyroid Gland

+ + + + + + + + + + 10

## GENERAL BODY SYSTEM

NONE

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

l .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

TDMS No. 20321 - 02

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: MICE/B6C3F1

## P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Tetrabromobisphenol A-bis(2,3-dibromopropyl ether)

CAS Number: 21850-44-2

Date Report Reqstd: 12/28/2007

Time Report Reqstd: 13:02:03

First Dose M/F: 01/12/06 / 01/11/06

Lab: BAT

| DAY ON TEST               | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|---------------------------|---|---|---|---|---|---|---|---|---|---|
|                           | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|                           | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
|                           | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
|                           | . | . | . | . | . | . | . | . | . | . |
| <b>B6C3F1 MICE FEMALE</b> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <b>2000 mg/kg</b>         | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|                           | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
|                           | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 |
|                           | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 |

**\* TOTALS**

**GENITAL SYSTEM**

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

**HEMATOPOIETIC SYSTEM**

|                        |   |   |   |   |   |   |   |   |   |   |    |
|------------------------|---|---|---|---|---|---|---|---|---|---|----|
| Bone Marrow            | + | + | + | + | + | + | + | + | + | + | 10 |
| Lymph Node, Mandibular | + | + | + | + | + | + | + | + | + | + | 10 |
| Lymph Node, Mesenteric | + | + | + | + | + | + | + | + | + | + | 10 |
| Spleen                 | + | + | + | + | + | + | + | + | + | + | 10 |
| Thymus                 | + | + | + | + | + | + | + | + | + | + | 10 |

**INTEGUMENTARY SYSTEM**

|               |   |   |   |   |   |   |   |   |   |   |    |
|---------------|---|---|---|---|---|---|---|---|---|---|----|
| Mammary Gland | + | + | + | + | + | + | + | + | + | + | 10 |
|---------------|---|---|---|---|---|---|---|---|---|---|----|

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

l .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal    3) Moderate

2) Mild    4) Marked

TDMS No. 20321 - 02

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: MICE/B6C3F1

## P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Tetrabromobisphenol A-bis(2,3-dibromopropyl ether)

CAS Number: 21850-44-2

Date Report Reqstd: 12/28/2007

Time Report Reqstd: 13:02:03

First Dose M/F: 01/12/06 / 01/11/06

Lab: BAT

|                           |  | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0  |
|---------------------------|--|---|---|---|---|---|---|---|---|---|----|
|                           |  | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0  |
|                           |  | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9  |
|                           |  | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3  |
| <b>B6C3F1 MICE FEMALE</b> |  | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |    |
| <b>2000 mg/kg</b>         |  | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |    |
|                           |  | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |    |
|                           |  | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 |    |
|                           |  | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0  |
| <b>* TOTALS</b>           |  |   |   |   |   |   |   |   |   |   |    |
| Skin                      |  | + | + | + | + | + | + | + | + | + | 10 |

**MUSCULOSKELETAL SYSTEM**

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

**NERVOUS SYSTEM**

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

**RESPIRATORY SYSTEM**

|         |   |   |   |   |   |   |   |   |   |   |    |
|---------|---|---|---|---|---|---|---|---|---|---|----|
| Lung    | + | + | + | + | + | + | + | + | + | + | 10 |
| Nose    | + | + | + | + | + | + | + | + | + | + | 10 |
| Trachea | + | + | + | + | + | + | + | + | + | + | 10 |

**SPECIAL SENSES SYSTEM**

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

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal    3) Moderate

2) Mild    4) Marked

TDMS No. 20321 - 02

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: MICE/B6C3F1

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

Tetrabromobisphenol A-bis(2,3-dibromopropyl ether)

CAS Number: 21850-44-2

Date Report Reqstd: 12/28/2007

Time Report Reqstd: 13:02:03

First Dose M/F: 01/12/06 / 01/11/06

Lab: BAT

| DAY ON TEST               | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
|---------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|                           | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
|                           | 9     | 9     | 9     | 9     | 9     | 9     | 9     | 9     | 9     | 9     |
|                           | 3     | 3     | 3     | 3     | 3     | 3     | 3     | 3     | 3     | 3     |
|                           | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| <b>B6C3F1 MICE FEMALE</b> | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
| <b>2000 mg/kg</b>         | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0     |
|                           | 4     | 4     | 4     | 4     | 4     | 4     | 4     | 4     | 4     | 4     |
|                           | 1     | 1     | 1     | 1     | 1     | 1     | 1     | 1     | 1     | 2     |
|                           | 1     | 2     | 3     | 4     | 5     | 6     | 7     | 8     | 9     | 0     |

**\* TOTALS****URINARY SYSTEM**

|   |   |   |   |   |   |   |   |   |   |   |       |
|---|---|---|---|---|---|---|---|---|---|---|-------|
| Kidney                                  | + | + | + | + | + | + | + | + | + | + | 10    |
| Infiltration Cellular, Mononuclear Cell | 1 | 1 | 1 |   | 1 | 1 | 1 |   |   |   | 7 1.0 |
| Mineralization                          |   |   |   |   |   |   | 1 |   |   |   | 1 1.0 |
| Urinary Bladder                         | + | + | + | + | + | + | + | + | + | + | 10    |

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

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

x .. Lesion present

l .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked