

Experiment Number: 91005-02
Test Type: 18-33 DAYS
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
Test Compound: Methylene blue trihydrate
CAS Number: 7220-79-3

Date Report Requested: 10/21/2014
Time Report Requested: 09:02:43
First Dose M/F: NA / NA
Lab: BAT

C Number: C91005
Lock Date: 12/16/1992
Cage Range: All
Date Range: All
Reasons For Removal: All
Removal Date Range: All
Treatment Groups: All
Study Gender: Both
PWG Approval Date NONE

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Lab: BAT

B6C3F1 Mouse Male
0 G/KG

DAY ON TEST	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	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	1
	1	2	3	4	5	6	7	8	9	0

*TOTALS

Alimentary System

Esophagus	+	+	+	+	+	+	+	+	+	+	10
Gallbladder	+	+	+	+	+	+	+	+	+	+	10
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	10
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	10
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	10
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	10
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	10
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	10
Liver	+	+	+	+	+	+	+	+	+	+	10
Pancreas	+	+	+	+	+	+	+	+	+	+	10
Salivary Glands	+	+	+	+	+	+	+	+	+	+	10
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	10
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	10

Cardiovascular System

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

Endocrine System

Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	10
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	10
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	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

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1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

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B6C3F1 Mouse Male 0 G/KG	DAY ON TEST										*TOTALS
	0	0	0	0	0	0	0	0	0	0	
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	
	1	2	3	4	5	6	7	8	9	0	
Parathyroid Gland	+	M	+	+	+	+	+	+	+	+	9
Pituitary Gland	+	+	+	+	+	+	+	+	M	+	9
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	10
General Body System											
NONE											
Genital System											
Epididymis	+	+	+	+	+	+	+	+	+	+	10
Preputial Gland	+	+	+	+	+	+	+	+	+	+	10
Prostate	+	+	+	+	+	+	+	+	+	+	10
Seminal Vesicle	+	+	+	+	+	+	+	+	+	+	10
Testes	+	+	+	+	+	+	+	+	+	+	10
Hematopoietic System											
Bone Marrow	+	+	+	+	+	+	+	+	+	+	10
Lymph Node, Mandibular	+	+	+	+	+	+	+	+	+	+	10
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	10
Spleen	+	+	+	+	+	+	+	+	+	+	10
Red Pulp, Hematopoietic Cell Proliferation								1			1 1.0
Thymus	+	+	+	+	+	+	+	+	+	+	10
Integumentary System											
Mammary Gland	M	M	M	M	M	M	M	M	M	M	0
Skin	+	+	+	+	+	+	+	+	+	+	10

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B6C3F1 Mouse Male 0 G/KG	DAY ON TEST										*TOTALS
	0	0	0	0	0	0	0	0	0	0	
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	
	1	2	3	4	5	6	7	8	9	0	
Skin	+	+	+	+	+	+	+	+	+	+	10
Musculoskeletal System											
Bone	+	+	+	+	+	+	+	+	+	+	10
Nervous System											
Brain	+	+	+	+	+	+	+	+	+	+	10
Respiratory System											
Lung	+	+	+	+	+	+	+	+	+	+	10
Nose	+	+	+	+	+	+	+	+	+	+	10
Trachea	+	+	+	+	+	+	+	+	+	+	10
Special Senses System											
NONE											
Urinary System											
Kidney	+	+	+	+	+	+	+	+	+	+	10
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	10

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Date Report Requested: 10/21/2014

Time Report Requested: 09:02:43

First Dose M/F: NA / NA

Lab: BAT

B6C3F1 Mouse Male 0.125 G/KG	DAY ON TEST	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	0	
	ANIMAL ID	0	0	0	0	0	0	0	0	0	0	*TOTALS
	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	2		
	1	2	3	4	5	6	7	8	9	0		

Alimentary System

Liver	+	+	+	+	+	+	+	+	+	+	10
Hematopoietic Cell Proliferation	1	1				1	1			1	5 1.0
Kupffer Cell, Pigmentation	3	2	2	2	2	3	2	2	2		9 2.2
Periportal, Degeneration	1	1					1	1	1	1	6 1.0
Pigmentation										2	1 2.0
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	10

Cardiovascular System

Heart	+	+	+	+	+	+	+	+	+	+	10
Mineralization			1	1							2 1.0

Endocrine System

NONE

General Body System

NONE

Genital System

NONE

Hematopoietic System

Bone Marrow	+	+	+	+	+	+	+	+	+	+	10
Pigmentation	3	2	2	2	2	2	2	2	2	2	10 2.1

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 Lab: BAT

B6C3F1 Mouse Male
0.125 G/KG

	DAY ON TEST												
	0	0	0	0	0	0	0	0	0	0			
ANIMAL ID	0	0	0	0	0	0	0	0	0	0			
	1	1	1	1	1	1	1	1	1	2			
	1	2	3	4	5	6	7	8	9	0	*TOTALS		
Lymph Node, Mandibular	+	M	+	+	+	+	+	+	+	+	9		
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	10		
Necrosis	1	1			1	1	1	1		2	7	1.1	
Spleen	+	+	+	+	+	+	+	+	+	+	10		
Lymph Follic, Depletion Cellular	2		3	2	2	2	2	2	2		9	2.1	
Pigmentation	3	3	2	3	2	3	3	3	3	3	10	2.8	
Red Pulp, Hematopoietic Cell Proliferation	4	2	3	3	2	3	3	3	2	3	10	2.8	
Thymus	+	+	+	+	+	+	+	+	+	+	10		
Necrosis	1	1	1	1			1		1	1	7	1.0	
Integumentary System													
NONE													
Musculoskeletal System													
Bone											1		
Patella, Arthrosis, Chronic Active				3							1	3.0	
Nervous System													
NONE													
Respiratory System													
NONE													
Special Senses System													
NONE													

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 Lab: BAT

B6C3F1 Mouse Male
0.125 G/KG

DAY ON TEST	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0
	3	3	3	3	3	3	3	3	3	3	3
	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
	1	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
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	10

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First Dose M/F: NA / NA

Lab: BAT

B6C3F1 Mouse Male 0.25 G/KG	DAY ON TEST	0	0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	0	
		3	3	3	1	3	3	3	3	0	3	
		0	0	0	3	0	0	0	0	6	0	
	ANIMAL ID	0	0	0	0	0	0	0	0	0	0	*TOTALS
	0	0	0	0	0	0	0	0	0	0		
	0	0	0	0	0	0	0	0	0	0		
	2	2	2	2	2	2	2	2	2	3		
	1	2	3	4	5	6	7	8	9	0		

Alimentary System

Esophagus	+	+	+	+	+	+	+	+	+	+	10
Gallbladder	+	+	M	+	M	+	+	+	+	+	8
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
Centrilobular, Degeneration	1										1 1.0
Hematopoietic Cell Proliferation	1	1	1			1	1	1			6 1.0
Kupffer Cell, Pigmentation	3	3	3	3	3	3	3	4	2	3	10 3.0
Mineralization					1						1 1.0
Periportal, Degeneration		1	1		1	1		1			5 1.0
Pancreas	+	+	+	+	+	+	+	+	+	+	10
Salivary Glands	+	+	+	+	+	+	+	+	+	+	10
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	10
Hyperplasia, Squamous, Focal							3				1 3.0
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	10

Cardiovascular System

Blood Vessel	+	+	+	+	+	+	+	+	+	+	10
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CAS Number: 7220-79-3

Date Report Requested: 10/21/2014

Time Report Requested: 09:02:43

First Dose M/F: NA / NA

Lab: BAT

B6C3F1 Mouse Male 0.25 G/KG	DAY ON TEST										*TOTALS
	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	
	3	3	3	1	3	3	3	3	0	3	
	0	0	0	3	0	0	0	0	6	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	2	2	2	2	2	2	2	2	2	3	
	1	2	3	4	5	6	7	8	9	0	
Heart	+	+	+	+	+	+	+	+	+	+	
Mineralization	3				2		3	1			
Endocrine System											
Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	
Parathyroid Gland	+	+	+	+	+	+	M	M	M	+	
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	
General Body System											
NONE											
Genital System											
Epididymis	+	+	+	+	+	+	+	+	+	+	
Preputial Gland	+	+	+	+	+	+	+	+	+	+	
Prostate	+	+	+	+	+	+	+	+	+	+	
Seminal Vesicle	+	+	+	+	+	+	+	+	+	+	
Testes	+	+	+	+	+	+	+	+	+	+	
Hematopoietic System											
Bone Marrow	+	+	+	+	+	+	+	+	+	+	
Pigmentation	3	3	3	4	3	2	3	2	1	3	
Lymph Node, Mandibular	+	+	+	+	+	+	+	+	+	M	

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First Dose M/F: NA / NA

Lab: BAT

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	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	
	2	2	2	2	2	2	2	2	2	3	
	1	2	3	4	5	6	7	8	9	0	
Lung	+	+	+	+	+	+	+	+	+	+	10
Nose	+	+	+	+	+	+	+	+	+	+	10
Trachea	+	+	+	+	+	+	+	+	+	+	10
Special Senses System											
NONE											
Urinary System											
Kidney	+	+	+	+	+	+	+	+	+	+	10
Renal Tubule, Necrosis				2						2	2 2.0
Renal Tubule, Pigmentation	2			2	2		2				4 2.0
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	10
Transit Epithe, Degeneration	1	1	1	1					1		5 1.0
Transit Epithe, Pigmentation	1	2		3					2		4 2.0

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 Lab: BAT

B6C3F1 Mouse Male
0.5 G/KG

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

***TOTALS**

Alimentary System

Esophagus	+	+	+	+	+	+	+	+	+	+	10
Gallbladder	+	M	+	+	+	+	+	+	+	+	9
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	10
Intestine Large, Colon	+	+	+	+	+	+	A	+	+	+	9
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	10
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	10
Intestine Small, Ileum	+	+	+	+	+	+	A	+	+	+	9
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	10
Liver	+	+	+	+	+	+	+	+	+	+	10
Hematopoietic Cell Proliferation		2	2	2	1	2	1		2	1	8 1.6
Kupffer Cell, Pigmentation	3	4	4	4	2	3	4	4	3	3	10 3.4
Necrosis, Focal										1	1 1.0
Periportal, Degeneration		1		1		1					3 1.0
Periportal, Pigmentation		1									1 1.0
Pancreas	+	+	+	+	+	+	+	+	+	+	10
Salivary Glands	+	+	+	+	+	+	+	+	+	+	10
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	10
Hyperplasia, Squamous, Focal						3			3		2 3.0
Inflammation, Chronic Active						2			2		2 2.0
Ulcer, Focal			1						3		2 2.0
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	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

Experiment Number: 91005-02

Test Type: 18-33 DAYS

Route: GAVAGE

Species/Strain: Mouse/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Methylene blue trihydrate

CAS Number: 7220-79-3

Date Report Requested: 10/21/2014

Time Report Requested: 09:02:44

First Dose M/F: NA / NA

Lab: BAT

B6C3F1 Mouse Male 0.5 G/KG	DAY ON TEST	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	0
		6	9	9	9	8	8	8	7	9	9
	ANIMAL ID	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	3	3	3	3	3	3	3	3	3	4	
	1	2	3	4	5	6	7	8	9	0	
	*TOTALS										

Cardiovascular System

Blood Vessel	+	+	+	+	+	+	+	+	+	+	10
Heart	+	+	+	+	+	+	+	+	+	+	10
Myocardium, Degeneration, Chronic, Focal						2					1 2.0

Endocrine System

Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	10
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	10
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	10
Parathyroid Gland	+	M	+	+	+	+	+	M	+	+	8
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	10
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	10

General Body System

NONE

Genital System

Epididymis	+	+	+	+	+	+	+	+	+	+	10
Preputial Gland	+	+	+	+	+	+	+	+	+	+	10
Prostate	+	+	+	+	+	+	+	+	+	+	10
Seminal Vesicle	+	+	+	+	+	+	+	+	+	+	10
Testes	+	+	+	+	+	+	+	+	+	+	10

Hematopoietic System

* ..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

Experiment Number: 91005-02

Test Type: 18-33 DAYS

Route: GAVAGE

Species/Strain: Mouse/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Methylene blue trihydrate

CAS Number: 7220-79-3

Date Report Requested: 10/21/2014

Time Report Requested: 09:02:44

First Dose M/F: NA / NA

Lab: BAT

B6C3F1 Mouse Male 0.5 G/KG	DAY ON TEST											
	0	0	0	0	0	0	0	0	0	0		
	0	0	0	0	0	0	0	0	0	0		
	6	9	9	9	8	8	8	7	9	9		
ANIMAL ID	0	0	0	0	0	0	0	0	0	0		
	0	0	0	0	0	0	0	0	0	0		
	0	0	0	0	0	0	0	0	0	0		
	3	3	3	3	3	3	3	3	3	4	*TOTALS	
	1	2	3	4	5	6	7	8	9	0		
Bone Marrow	+	+	+	+	+	+	+	+	+	+	10	
Pigmentation	3	3	3	2	3	3	3	4	4	2	10	3.0
Lymph Node, Mandibular	+	M	+	+	+	+	+	+	+	+	9	
Necrosis				2	1	1				1	4	1.3
Lymph Node, Mesenteric	+	+	+	+	+	+	M	+	+	+	9	
Necrosis		1	2	2	1	1		2	2	2	8	1.6
Spleen	+	+	+	+	+	+	+	+	+	+	10	
Lymph Follic, Depletion Cellular	2	3	2	3	4	3	3	2	4	4	10	3.0
Pigmentation	4	4	3	2	3	3	3	3	3	4	10	3.2
Red Pulp, Hematopoietic Cell Proliferation	3	3	3	3	4	4	3	3	4	4	10	3.4
Thymus	+	+	+	+	+	+	+	+	+	+	10	
Necrosis	1	3	2	2	3	3	4	4	4	4	10	3.0
Integumentary System												
Mammary Gland	M	M	M	M	M	M	M	M	M	M	0	
Skin	+	+	+	+	+	+	+	+	+	+	10	
Musculoskeletal System												
Bone	+	+	+	+	+	+	+	+	+	+	10	
Nervous System												
Brain	+	+	+	+	+	+	+	+	+	+	10	
Peripheral Nerve			+	+							2	
Spinal Cord			+	+							2	

* ..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

Experiment Number: 91005-02

Test Type: 18-33 DAYS

Route: GAVAGE

Species/Strain: Mouse/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Methylene blue trihydrate

CAS Number: 7220-79-3

Date Report Requested: 10/21/2014

Time Report Requested: 09:02:44

First Dose M/F: NA / NA

Lab: BAT

B6C3F1 Mouse Male 0.5 G/KG	DAY ON TEST	0	0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	0	
		6	9	9	9	8	8	8	7	9	9	
	ANIMAL ID	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0		
	0	0	0	0	0	0	0	0	0	0		
	3	3	3	3	3	3	3	3	3	4		
	1	2	3	4	5	6	7	8	9	0		
		*TOTALS										

Respiratory System

Lung	+	+	+	+	+	+	+	+	+	+	10
Mediastinum, Foreign Body								X			1
Mediastinum, Inflammation, Suppurative								3			1 3.0
Nose	+	+	+	+	+	+	+	+	+	+	10
Trachea	+	+	+	+	+	+	+	+	+	+	10

Special Senses System

Eye		+					+				2
-----	--	---	--	--	--	--	---	--	--	--	---

Urinary System

Kidney	+	+	+	+	+	+	+	+	+	+	10
Renal Tubule, Necrosis			2								1 2.0
Renal Tubule, Pigmentation			3	3	1	2	2				5 2.2
Urinary Bladder	+	+	+	+	+	+	A	+	+	+	9
Muscularis, Degeneration			3	3	1	2	2		3	3	7 2.4
Transit Epithe, Degeneration	1	2	1	1	1	1		1	1	1	9 1.1
Transit Epithe, Pigmentation	3	2	2	2	3	3		2	3	2	9 2.4

* ..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

Experiment Number: 91005-02
 Test Type: 18-33 DAYS
 Route: GAVAGE
 Species/Strain: Mouse/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Methylene blue trihydrate
 CAS Number: 7220-79-3

Date Report Requested: 10/21/2014
 Time Report Requested: 09:02:44
 First Dose M/F: NA / NA
 Lab: BAT

**B6C3F1 Mouse Male
 1.0 G/KG**

DAY ON TEST	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	5	5	3	3	6	7	4	5	4	5
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
	4	4	4	4	4	4	4	4	4	5
	1	2	3	4	5	6	7	8	9	0

***TOTALS**

Alimentary System

Esophagus	+	+	+	+	+	+	+	+	+	+	10
Gallbladder	+	+	+	+	+	+	+	+	+	+	10
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	10
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	10
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	10
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	10
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	10
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	10
Liver	+	+	+	+	+	+	+	+	+	+	10
Hematopoietic Cell Proliferation						1					1 1.0
Kupffer Cell, Pigmentation	2	2	1	2	4	4	2	2	2	3	10 2.4
Necrosis	1	1			1	1					4 1.0
Periportal, Degeneration							2		1	2	3 1.7
Periportal, Pigmentation			2							1	2 1.5
Pancreas	+	+	+	+	+	+	+	+	+	+	10
Salivary Glands	+	+	+	+	+	+	+	+	+	+	10
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	10
Hyperplasia, Squamous, Focal							2				1 2.0
Inflammation, Focal							1				1 1.0
Ulcer, Focal	2		1		3			3	3	3	6 2.5
Stomach, Glandular	+	+	+	+	+	+	+	+	A	+	9

* ..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

Experiment Number: 91005-02
 Test Type: 18-33 DAYS
 Route: GAVAGE
 Species/Strain: Mouse/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Methylene blue trihydrate
 CAS Number: 7220-79-3

Date Report Requested: 10/21/2014
 Time Report Requested: 09:02:44
 First Dose M/F: NA / NA
 Lab: BAT

**B6C3F1 Mouse Male
 1.0 G/KG**

DAY ON TEST	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	5	5	3	3	6	7	4	5	4	5
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
	4	4	4	4	4	4	4	4	4	5
	1	2	3	4	5	6	7	8	9	0

*TOTALS

Cardiovascular System

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

Endocrine System

Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	10
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	10
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	10
Parathyroid Gland	+	+	+	+	+	M	+	+	+	M	8
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	10
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	10

General Body System

NONE

Genital System

Epididymis	+	+	+	+	+	+	+	+	+	+	10
Preputial Gland	+	+	+	+	+	+	+	+	+	+	10
Prostate	+	+	+	+	+	+	+	+	+	+	10
Seminal Vesicle	+	+	+	+	+	+	+	+	+	+	10
Testes	+	+	+	+	+	+	+	+	+	+	10
Germinal Epith, Degeneration	1	2					1			1	4 1.3

Hematopoietic System

* ..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

Experiment Number: 91005-02

Test Type: 18-33 DAYS

Route: GAVAGE

Species/Strain: Mouse/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Methylene blue trihydrate

CAS Number: 7220-79-3

Date Report Requested: 10/21/2014

Time Report Requested: 09:02:44

First Dose M/F: NA / NA

Lab: BAT

B6C3F1 Mouse Male 1.0 G/KG	DAY ON TEST											
	0	0	0	0	0	0	0	0	0	0		
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	*TOTALS	
	5	5	3	3	6	7	4	5	4	5		
Bone Marrow	+	+	+	+	+	+	+	+	+	+	10	
Pigmentation	3	3	3	3	3	4	2	2	2	3	10	2.8
Lymph Node, Mandibular	+	+	+	+	M	+	+	+	M	+	8	
Necrosis	2					1		2		2	4	1.8
Lymph Node, Mesenteric	+	+	+	+	+	+	+	A	+	+	9	
Necrosis	2	1	1		2	1	2			2	7	1.6
Spleen	+	+	+	+	+	+	+	+	+	+	10	
Congestion		3	2	2			1		2	1	6	1.8
Lymph Follic, Depletion Cellular	3	3	2	1	3	4	2	3	2	3	10	2.6
Pigmentation	3	3	4	3	4	3	3	4		4	9	3.4
Red Pulp, Hematopoietic Cell Proliferation	2		1		2	4		2			5	2.2
Thymus	+	+	M	+	+	+	+	+	+	+	9	
Necrosis	4	4			4	4	4	3	3	4	8	3.8
Integumentary System												
Mammary Gland	M	M	M	M	M	M	M	M	M	M	0	
Skin	+	+	+	+	+	+	+	+	+	+	10	
Musculoskeletal System												
Bone	+	+	+	+	+	+	+	+	+	+	10	
Nervous System												
Brain	+	+	+	+	+	+	+	+	+	+	10	
Peripheral Nerve	+	+					+			+	4	

* ..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

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1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Experiment Number: 91005-02
 Test Type: 18-33 DAYS
 Route: GAVAGE
 Species/Strain: Mouse/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Methylene blue trihydrate
 CAS Number: 7220-79-3

Date Report Requested: 10/21/2014
 Time Report Requested: 09:02:44
 First Dose M/F: NA / NA
 Lab: BAT

**B6C3F1 Mouse Male
 1.0 G/KG**

	DAY ON TEST										
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	5	5	3	3	6	7	4	5	4	5	
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	*TOTALS
0	0	0	0	0	0	0	0	0	0	0	
0	0	0	0	0	0	0	0	0	0	0	
4	4	4	4	4	4	4	4	4	4	5	
1	2	3	4	5	6	7	8	9	0	0	
Spinal Cord	+	+					+		+		4
Respiratory System											
Lung	+	+	+	+	+	+	+	+	+	+	10
Nose	+	+	+	+	+	+	+	+	+	+	10
Trachea	+	+	+	+	+	+	+	+	+	+	10
Special Senses System											
NONE											
Urinary System											
Kidney	+	+	+	+	+	+	+	A	+		9
Renal Tubule, Casts Protein		2			1		1	1		1	5 1.2
Renal Tubule, Degeneration								1			1 1.0
Renal Tubule, Necrosis		2			2						2 2.0
Renal Tubule, Pigmentation		2			2		1	1		2	5 1.6
Urinary Bladder	+	+	+	+	+	+	+	A	A	+	8
Transit Epithe, Degeneration	1	1	1	1	1	2	1			1	8 1.1
Transit Epithe, Pigmentation			1		3	4					3 2.7

* ..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

Experiment Number: 91005-02
 Test Type: 18-33 DAYS
 Route: GAVAGE
 Species/Strain: Mouse/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Methylene blue trihydrate
 CAS Number: 7220-79-3

Date Report Requested: 10/21/2014
 Time Report Requested: 09:02:44
 First Dose M/F: NA / NA
 Lab: BAT

**B6C3F1 Mouse Male
 2.0 G/KG**

DAY ON TEST	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	2	3	3	2	3	3	4	3	3	2
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
	5	5	5	5	5	5	5	5	5	6
	1	2	3	4	5	6	7	8	9	0

***TOTALS**

Alimentary System

Esophagus	+	+	+	+	+	+	+	+	+	+	10
Gallbladder	+	+	+	+	+	+	+	+	+	+	10
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	10
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	10
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	10
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	10
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	10
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	10
Liver	+	+	+	+	+	+	+	+	+	+	10
Kupffer Cell, Erythrophagocytosis	4										1 4.0
Kupffer Cell, Pigmentation		1	2	3	2	2	3	2	3	2	9 2.2
Necrosis		4	3					2			3 3.0
Periportal, Degeneration				2							1 2.0
Pancreas	+	+	+	+	+	+	+	+	+	+	10
Salivary Glands	+	+	+	+	+	+	+	+	+	+	10
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	10
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	10

Cardiovascular System

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

Experiment Number: 91005-02
 Test Type: 18-33 DAYS
 Route: GAVAGE
 Species/Strain: Mouse/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Methylene blue trihydrate
 CAS Number: 7220-79-3

Date Report Requested: 10/21/2014
 Time Report Requested: 09:02:44
 First Dose M/F: NA / NA
 Lab: BAT

**B6C3F1 Mouse Male
 2.0 G/KG**

DAY ON TEST	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	2	3	3	2	3	3	4	3	3	2
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
	5	5	5	5	5	5	5	5	5	6
	1	2	3	4	5	6	7	8	9	0

***TOTALS**

Endocrine System

Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	10
Adrenal Medulla	+	+	+	+	M	+	+	+	+	+	9
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	10
Parathyroid Gland	+	M	M	+	+	+	M	+	M	+	6
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	10
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	10

General Body System

NONE

Genital System

Epididymis	+	+	+	+	+	+	+	+	+	+	10
Preputial Gland	+	+	+	+	+	+	+	+	+	+	10
Prostate	+	+	+	+	+	+	+	+	+	+	10
Seminal Vesicle	+	+	+	+	+	+	+	+	+	+	10
Testes	+	+	+	+	+	+	+	+	+	+	10

Hematopoietic System

Bone Marrow	+	+	+	+	+	+	+	+	+	+	10
Pigmentation		3	3			3	3	3	4	3	7 3.1
Lymph Node, Mandibular	M	M	+	+	+	+	+	+	+	+	8
Necrosis			2		1	1	2				4 1.5
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	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

Experiment Number: 91005-02
 Test Type: 18-33 DAYS
 Route: GAVAGE
 Species/Strain: Mouse/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Methylene blue trihydrate
 CAS Number: 7220-79-3

Date Report Requested: 10/21/2014
 Time Report Requested: 09:02:44
 First Dose M/F: NA / NA
 Lab: BAT

**B6C3F1 Mouse Male
 2.0 G/KG**

	DAY ON TEST												
	0	0	0	0	0	0	0	0	0	0			
ANIMAL ID	0	0	0	0	0	0	0	0	0	0			
	2	3	3	2	3	3	4	3	3	2			
	0	0	0	0	0	0	0	0	0	0			
	0	0	0	0	0	0	0	0	0	0			
	0	0	0	0	0	0	0	0	0	0			
	5	5	5	5	5	5	5	5	5	6			
	1	2	3	4	5	6	7	8	9	0			
											*TOTALS		
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	10		
Necrosis			3	3	2	3	2	2	1		7	2.3	
Spleen	+	+	+	+	+	+	+	+	+	+	10		
Capsule, Fibrosis	1										1	1.0	
Congestion				2	2	2	2				4	2.0	
Lymph Follic, Depletion Cellular	2	2	3	2	2	2	2	2	2	2	10	2.1	
Pigmentation	2	4	4	2	2	3	3	3	3	3	10	2.9	
Red Pulp, Hematopoietic Cell Proliferation	2	1						1	2	2	5	1.6	
Thymus	+	+	+	+	+	+	+	+	+	+	10		
Necrosis	1	4	3		1	1	3	4	3		8	2.5	
Integumentary System													
Mammary Gland	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		
Mediastinum, Foreign Body										X	1		
Nose	+	+	+	+	+	+	+	+	+	+	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

Experiment Number: 91005-02

Test Type: 18-33 DAYS

Route: GAVAGE

Species/Strain: Mouse/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Methylene blue trihydrate

CAS Number: 7220-79-3

Date Report Requested: 10/21/2014

Time Report Requested: 09:02:45

First Dose M/F: NA / NA

Lab: BAT

B6C3F1 Mouse Male
2.0 G/KG

	DAY ON TEST											
	0	0	0	0	0	0	0	0	0	0		
	0	0	0	0	0	0	0	0	0	0		
	0	0	0	0	0	0	0	0	0	0		
	0	0	0	0	0	0	0	0	0	0		
	2	3	3	2	3	3	4	3	3	2		
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		
	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			+	+					+			3
Urinary System												
Kidney	+	+	+	+	+	+	+	+	+	+		10
Renal Tubule, Casts Protein				2				1	2			3 1.7
Renal Tubule, Degeneration				1								1 1.0
Renal Tubule, Necrosis								2	2			2 2.0
Renal Tubule, Pigmentation				2				2	2			3 2.0
Urinary Bladder	+	+	+	+	+	+	+	+	+	+		10
Muscularis, Degeneration								2				1 2.0
Transit Epithe, Degeneration	1	1	1	1		1	1	1	1	1		9 1.0
Transit Epithe, Pigmentation	3	3	3	3				3	2	1		7 2.6
END OF MALE DATA												

* ..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

Experiment Number: 91005-02

Test Type: 18-33 DAYS

Route: GAVAGE

Species/Strain: Mouse/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Methylene blue trihydrate

CAS Number: 7220-79-3

Date Report Requested: 10/21/2014

Time Report Requested: 09:02:45

First Dose M/F: NA / NA

Lab: BAT

B6C3F1 Mouse Female 0 G/KG	DAY ON TEST	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	0	
	ANIMAL ID	0	0	0	0	0	0	0	0	0	0	*TOTALS
	0	0	0	0	0	0	0	0	0	0		
	0	0	0	0	0	0	0	0	0	0		
	6	6	6	6	6	6	6	6	6	7		
	1	2	3	4	5	6	7	8	9	0		

Alimentary System

Esophagus	+	+	+	+	+	+	+	+	+	+	10
Gallbladder	+	+	+	+	+	+	+	+	+	+	10
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	10
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	10
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	10
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	10
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	10
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	10
Liver	+	+	+	+	+	+	+	+	+	+	10
Hematopoietic Cell Proliferation				1			1				2 1.0
Pancreas	+	+	+	+	+	+	+	+	+	+	10
Salivary Glands	+	+	+	+	+	+	+	+	+	+	10
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	10
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	10

Cardiovascular System

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

Endocrine System

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

Experiment Number: 91005-02

Test Type: 18-33 DAYS

Route: GAVAGE

Species/Strain: Mouse/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Methylene blue trihydrate

CAS Number: 7220-79-3

Date Report Requested: 10/21/2014

Time Report Requested: 09:02:45

First Dose M/F: NA / NA

Lab: BAT

B6C3F1 Mouse Female 0 G/KG	DAY ON TEST										*TOTALS
	0	0	0	0	0	0	0	0	0	0	
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	
	6	6	6	6	6	6	6	6	6	7	
	1	2	3	4	5	6	7	8	9	0	
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	10
Parathyroid Gland	+	+	M	+	+	+	+	+	+	+	9
Pituitary Gland	+	+	+	+	+	M	+	+	+	+	9
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	10
General Body System											
NONE											
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
Skin	+	+	+	+	+	+	+	+	+	+	10
Musculoskeletal System											

* ..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

Experiment Number: 91005-02
 Test Type: 18-33 DAYS
 Route: GAVAGE
 Species/Strain: Mouse/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Methylene blue trihydrate
 CAS Number: 7220-79-3

Date Report Requested: 10/21/2014
 Time Report Requested: 09:02:45
 First Dose M/F: NA / NA
 Lab: BAT

B6C3F1 Mouse Female 0 G/KG	DAY ON TEST	0	0	0	0	0	0	0	0	0	0	*TOTALS
	ANIMAL ID	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	
	3	3	3	3	3	3	3	3	3	3	3	
	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	
	6	6	6	6	6	6	6	6	6	6	7	
	1	2	3	4	5	6	7	8	9	0	0	
Bone		+	+	+	+	+	+	+	+	+	+	10
Nervous System												
Brain		+	+	+	+	+	+	+	+	+	+	10
Respiratory System												
Lung		+	+	+	+	+	+	+	+	+	+	10
Nose		+	+	+	+	+	+	+	+	+	+	10
Trachea		+	+	+	+	+	+	+	+	+	+	10
Special Senses System												
NONE												
Urinary System												
Kidney		+	+	+	+	+	+	+	+	+	+	10
Urinary Bladder		+	M	+	+	+	+	+	+	+	+	9

* ..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

Experiment Number: 91005-02
 Test Type: 18-33 DAYS
 Route: GAVAGE
 Species/Strain: Mouse/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Methylene blue trihydrate
 CAS Number: 7220-79-3

Date Report Requested: 10/21/2014
 Time Report Requested: 09:02:45
 First Dose M/F: NA / NA
 Lab: BAT

DAY ON TEST	0										*TOTALS
	0	0	0	0	0	0	0	0	0	0	
3	3	3	3	3	3	3	3	3	3	3	
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	
	7	7	7	7	7	7	7	7	7	7	8
	1	2	3	4	5	6	7	8	9	0	

Alimentary System

Liver	+	+	+	+	+	+	+	+	+	+	10	
Hematopoietic Cell Proliferation	1	1		1			1	1	1	1	7	1.0
Kupffer Cell, Pigmentation	2	2	1	1	2	1	1	2	2	2	10	1.6
Periportal, Degeneration	2				1	2	1		1	1	6	1.3
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	10	
Ulcer, Focal										1	1	1.0

Cardiovascular System

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

Endocrine System

NONE

General Body System

NONE

Genital System

Ovary					+						1	
Periovarn Tiss, Cyst					3						1	3.0

Hematopoietic System

Bone Marrow	+	+	+	+	+	+	+	+	+	+	10	
Pigmentation	2	2	2		2	2	1	2	2	1	9	1.8

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

+ ..Tissue examined microscopically

X ..Lesion present

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M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Experiment Number: 91005-02
 Test Type: 18-33 DAYS
 Route: GAVAGE
 Species/Strain: Mouse/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Methylene blue trihydrate
 CAS Number: 7220-79-3

Date Report Requested: 10/21/2014
 Time Report Requested: 09:02:45
 First Dose M/F: NA / NA
 Lab: BAT

B6C3F1 Mouse Female 0.125 G/KG	DAY ON TEST											
	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		
	7	7	7	7	7	7	7	7	7	8		
	1	2	3	4	5	6	7	8	9	0		
											*TOTALS	
Lymph Node, Mandibular	+	+	+	+	+	+	+	+	+	+	10	
Necrosis					1						1	1.0
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	10	
Necrosis	2			2	2	2	1				5	1.8
Spleen	+	+	+	+	+	+	+	+	+	+	10	
Lymph Follic, Depletion Cellular	2	2	2	2	2	2	2	2	2	2	10	2.0
Pigmentation	2	2	2	2	3	2	2	2	2	2	10	2.1
Red Pulp, Hematopoietic Cell Proliferation	3	3	3	3	3	4	3	3	3	3	10	3.1
Thymus	+	+	+	+	+	+	+	+	+	+	10	
Necrosis	1	1	1		2				1	1	6	1.2
Integumentary System												
NONE												
Musculoskeletal System												
NONE												
Nervous System												
NONE												
Respiratory System												
NONE												
Special Senses 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

Experiment Number: 91005-02

Test Type: 18-33 DAYS

Route: GAVAGE

Species/Strain: Mouse/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Methylene blue trihydrate

CAS Number: 7220-79-3

Date Report Requested: 10/21/2014

Time Report Requested: 09:02:45

First Dose M/F: NA / NA

Lab: BAT

B6C3F1 Mouse Female 0.125 G/KG	DAY ON TEST	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	0	
	ANIMAL ID	0	0	0	0	0	0	0	0	0	0	*TOTALS
	0	0	0	0	0	0	0	0	0	0		
	0	0	0	0	0	0	0	0	0	0		
	7	7	7	7	7	7	7	7	7	8		
	1	2	3	4	5	6	7	8	9	0		

Urinary System

Kidney	+	+	+	+	+	+	+	+	+	+	10	
Infiltration Cellular, Lymphocyte				3							1	3.0
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	10	
Infiltration Cellular, Lymphocyte, Diffuse				3							1	3.0

* ..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

Experiment Number: 91005-02

Test Type: 18-33 DAYS

Route: GAVAGE

Species/Strain: Mouse/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Methylene blue trihydrate

CAS Number: 7220-79-3

Date Report Requested: 10/21/2014

Time Report Requested: 09:02:45

First Dose M/F: NA / NA

Lab: BAT

B6C3F1 Mouse Female 0.25 G/KG	DAY ON TEST	0	0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	0	
		3	3	3	1	3	3	3	3	1	3	
		0	0	0	6	0	0	0	0	8	0	
	ANIMAL ID	0	0	0	0	0	0	0	0	0	0	*TOTALS
	0	0	0	0	0	0	0	0	0	0		
	0	0	0	0	0	0	0	0	0	0		
	8	8	8	8	8	8	8	8	8	9		
	1	2	3	4	5	6	7	8	9	0		

Alimentary System

Esophagus	+	+	+	+	+	+	+	+	+	+	10
Gallbladder	+	+	+	M	+	+	M	+	+	+	8
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
Hematopoietic Cell Proliferation	2	2	2	2	1	2	2	2	1	2	10 1.8
Kupffer Cell, Pigmentation	4	3	4	3	4	4	4	4	3	4	10 3.7
Necrosis, Focal									1		1 1.0
Pancreas	+	+	+	+	+	+	+	+	+	+	10
Salivary Glands	+	+	+	+	+	+	+	+	+	+	10
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	10
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	10

Cardiovascular System

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

Endocrine System

* ..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

Experiment Number: 91005-02

Test Type: 18-33 DAYS

Route: GAVAGE

Species/Strain: Mouse/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Methylene blue trihydrate

CAS Number: 7220-79-3

Date Report Requested: 10/21/2014

Time Report Requested: 09:02:45

First Dose M/F: NA / NA

Lab: BAT

B6C3F1 Mouse Female 0.25 G/KG	DAY ON TEST										*TOTALS
	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	
	8	8	8	8	8	8	8	8	8	9	
	1	2	3	4	5	6	7	8	9	0	
Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	10
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	10
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	10
Parathyroid Gland	+	M	+	+	+	M	+	+	+	+	8
Cyst					2						1 2.0
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	10
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	10
General Body System											
NONE											
Genital System											
Clitoral Gland	+	+	+	M	+	+	+	+	M	+	8
Ovary	+	+	+	+	+	+	+	+	+	+	10
Uterus	+	+	+	+	+	+	+	+	+	+	10
Hematopoietic System											
Bone Marrow	+	+	+	+	+	+	+	+	+	+	10
Pigmentation	3	3	3	2	2	2	3	3	4	3	10 2.8
Lymph Node, Mandibular	+	+	+	+	+	+	+	+	I	+	9
Necrosis										1	1 1.0
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	A	+	9
Necrosis								1		1	2 1.0
Spleen	+	+	+	+	+	+	+	+	+	+	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

Experiment Number: 91005-02

Test Type: 18-33 DAYS

Route: GAVAGE

Species/Strain: Mouse/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Methylene blue trihydrate

CAS Number: 7220-79-3

Date Report Requested: 10/21/2014

Time Report Requested: 09:02:45

First Dose M/F: NA / NA

Lab: BAT

B6C3F1 Mouse Female 0.25 G/KG	DAY ON TEST											
	0	0	0	0	0	0	0	0	0	0		
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	*TOTALS	
	0	0	0	0	0	0	0	0	0	0		
Lymph Follic, Depletion Cellular	3	2	3	3	3	4	3	3	4	2	10	3.0
Pigmentation	2	3	2	2	2	2	2	2	1	3	10	2.1
Red Pulp, Hematopoietic Cell Proliferation	4	4	4	4	4	4	4	4	4	4	10	4.0
Thymus	+	+	+	+	+	+	+	+	+	+	10	
Necrosis		2	2	3	2	1	1	1	4	2	9	2.0
Integumentary System												
Mammary Gland	+	+	+	+	+	+	+	+	+	+	10	
Skin	+	+	+	+	+	+	+	+	+	+	10	
Musculoskeletal System												
Bone	+	+	+	+	+	+	+	+	+	+	10	
Nervous System												
Brain	+	+	+	+	+	+	+	+	+	+	10	
Peripheral Nerve				+							1	
Spinal Cord				+							1	
Respiratory System												
Lung	+	+	+	+	+	+	+	+	+	+	10	
Nose	+	+	+	+	+	+	+	+	+	+	10	
Trachea	+	+	+	+	+	+	+	+	+	+	10	
Special Senses 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

Experiment Number: 91005-02

Test Type: 18-33 DAYS

Route: GAVAGE

Species/Strain: Mouse/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Methylene blue trihydrate

CAS Number: 7220-79-3

Date Report Requested: 10/21/2014

Time Report Requested: 09:02:45

First Dose M/F: NA / NA

Lab: BAT

B6C3F1 Mouse Female 0.25 G/KG	DAY ON TEST	0	0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	0	
		3	3	3	1	3	3	3	3	1	3	
		0	0	0	6	0	0	0	0	8	0	
	ANIMAL ID	0	0	0	0	0	0	0	0	0	0	*TOTALS
	0	0	0	0	0	0	0	0	0	0		
	0	0	0	0	0	0	0	0	0	0		
	8	8	8	8	8	8	8	8	8	9		
	1	2	3	4	5	6	7	8	9	0		

Urinary System

Kidney	+	+	+	+	+	+	+	+	+	+	+	10
Renal Tubule, Pigmentation					1	1	2	2				4 1.5
Urinary Bladder	+	+	+	+	+	+	+	+	A	+		9
Transit Epithe, Degeneration				1	1	1	1	1		1		6 1.0
Transit Epithe, Pigmentation				1	2		1					3 1.3

* ..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

Experiment Number: 91005-02

Test Type: 18-33 DAYS

Route: GAVAGE

Species/Strain: Mouse/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Methylene blue trihydrate

CAS Number: 7220-79-3

Date Report Requested: 10/21/2014

Time Report Requested: 09:02:45

First Dose M/F: NA / NA

Lab: BAT

B6C3F1 Mouse Female 0.5 G/KG	DAY ON TEST	0	0	0	0	0	0	0	0	0	0	*TOTALS
		0	0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	0	
		8	8	8	7	8	8	8	8	8	8	
	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	1	
		9	9	9	9	9	9	9	9	9	0	
		1	2	3	4	5	6	7	8	9	0	

Alimentary System

Esophagus	+	+	+	+	+	+	+	+	+	+	10	
Gallbladder	+	+	+	+	+	+	+	+	+	+	10	
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	10	
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	10	
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	10	
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	10	
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	10	
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	10	
Liver	+	+	+	+	+	+	+	+	+	+	10	
Hematopoietic Cell Proliferation	2	2	2	1	2	2	2	1	1	1	10	1.6
Kupffer Cell, Pigmentation	4	4	4	3	4	4	4	3	4	3	10	3.7
Necrosis, Focal					1						1	1.0
Periportal, Degeneration		2			2	1	2		1	1	6	1.5
Periportal, Necrosis								2			1	2.0
Periportal, Pigmentation							1				1	1.0
Pancreas	+	+	+	+	+	+	+	+	+	+	10	
Salivary Glands	+	+	+	+	+	+	+	+	+	+	10	
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	10	
Hyperplasia, Squamous, Focal	3	2	4						3	3	5	3.0
Inflammation, Chronic Active	3	1	3						2	2	5	2.2
Ulcer, Focal				2			2	2			3	2.0

* ..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

Experiment Number: 91005-02
 Test Type: 18-33 DAYS
 Route: GAVAGE
 Species/Strain: Mouse/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Methylene blue trihydrate
 CAS Number: 7220-79-3

Date Report Requested: 10/21/2014
 Time Report Requested: 09:02:45
 First Dose M/F: NA / NA
 Lab: BAT

B6C3F1 Mouse Female 0.5 G/KG	DAY ON TEST										ANIMAL ID	
	0	0	0	0	0	0	0	0	0	0		
	0	0	0	0	0	0	0	0	0	0	0	
	8	8	8	7	8	8	8	8	8	8	8	
	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	1	0	
	9	9	9	9	9	9	9	9	9	9	0	
	1	2	3	4	5	6	7	8	9	0	0	
												*TOTALS
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	10
Cardiovascular System												
Blood Vessel	+	+	+	+	+	+	+	+	+	+	+	10
Heart	+	+	+	+	+	+	+	+	+	+	+	10
Myocardium, Necrosis, Acute						1		1		1		3 1.0
Endocrine System												
Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	10
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	10
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	10
Parathyroid Gland	+	+	+	+	+	+	+	+	+	+	+	10
Pituitary Gland	+	I	+	+	+	+	+	+	+	+	+	9
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	10
General Body System												
NONE												
Genital System												
Clitoral Gland	+	+	+	+	+	+	+	+	+	+	+	10
Ovary	+	+	+	+	+	+	+	+	+	+	+	10
Uterus	+	+	+	+	+	+	+	+	+	+	+	10
Hematopoietic System												
Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	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

Experiment Number: 91005-02
 Test Type: 18-33 DAYS
 Route: GAVAGE
 Species/Strain: Mouse/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Methylene blue trihydrate
 CAS Number: 7220-79-3

Date Report Requested: 10/21/2014
 Time Report Requested: 09:02:46
 First Dose M/F: NA / NA
 Lab: BAT

B6C3F1 Mouse Female 0.5 G/KG	DAY ON TEST											
	0	0	0	0	0	0	0	0	0	0		
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	*TOTALS	
	8	8	8	7	8	8	8	8	8	8		
Pigmentation	2	2	2	1	3	3	3	3	3	3	10	2.5
Lymph Node, Mandibular	+	+	+	+	+	M	+	+	+	M	8	
Necrosis	1				2		1		1		4	1.3
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	10	
Necrosis		1			1	2	2	2	2	1	7	1.6
Spleen	+	+	+	+	+	+	+	+	+	+	10	
Lymph Follic, Depletion Cellular	4	4	3	3	3	3	3	3	4	3	10	3.3
Pigmentation	3	3	3	4	3	4	3	3	3	3	10	3.2
Red Pulp, Hematopoietic Cell Proliferation	4	4	4	4	4	3	4	4	4	4	10	3.9
Thymus	+	+	+	+	+	+	+	+	+	+	10	
Necrosis	4	4	2	3	3	4	4	4	4	4	10	3.6
Integumentary System												
Mammary Gland	+	+	+	+	+	+	+	+	+	+	10	
Skin	+	+	+	+	+	+	+	+	+	+	10	
Musculoskeletal System												
Bone	+	+	+	+	+	+	+	+	+	+	10	
Nervous System												
Brain	+	+	+	+	+	+	+	+	+	+	10	
Peripheral Nerve	+	+	+		+		+		+		6	
Spinal Cord	+	+	+		+		+		+		6	
Respiratory System												

* ..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

Experiment Number: 91005-02

Test Type: 18-33 DAYS

Route: GAVAGE

Species/Strain: Mouse/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Methylene blue trihydrate

CAS Number: 7220-79-3

Date Report Requested: 10/21/2014

Time Report Requested: 09:02:46

First Dose M/F: NA / NA

Lab: BAT

B6C3F1 Mouse Female 0.5 G/KG	DAY ON TEST										*TOTALS
	0	0	0	0	0	0	0	0	0	0	
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	
	8	8	8	7	8	8	8	8	8	8	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	1	
	9	9	9	9	9	9	9	9	9	0	
	1	2	3	4	5	6	7	8	9	0	
Lung	+	+	+	+	+	+	+	+	+	+	10
Nose	+	+	+	+	+	+	+	+	+	+	10
Trachea	+	+	+	+	+	+	+	+	+	+	10
Special Senses System											
Eye							I			+	1
Urinary System											
Kidney	+	+	+	+	+	+	+	+	+	+	10
Renal Tubule, Casts Protein								2			1 2.0
Renal Tubule, Necrosis								3	1	1	3 1.7
Renal Tubule, Pigmentation	2	3	1		2	2	3	3	2	2	9 2.2
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	10
Transit Epithe, Degeneration	1	1	1	1		1	1	1	1	1	9 1.0
Transit Epithe, Pigmentation		1	3			2	2	3	1	2	7 2.0

* ..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

Experiment Number: 91005-02

Test Type: 18-33 DAYS

Route: GAVAGE

Species/Strain: Mouse/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Methylene blue trihydrate

CAS Number: 7220-79-3

Date Report Requested: 10/21/2014

Time Report Requested: 09:02:46

First Dose M/F: NA / NA

Lab: BAT

B6C3F1 Mouse Female 1.0 G/KG	DAY ON TEST	0	0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	0	
		7	8	6	5	7	8	7	7	8	8	
	ANIMAL ID	0	0	0	0	0	0	0	0	0	0	*TOTALS
	0	0	0	0	0	0	0	0	0	0		
	1	1	1	1	1	1	1	1	1	1		
	0	0	0	0	0	0	0	0	0	1		
	1	2	3	4	5	6	7	8	9	0		

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
Hematopoietic Cell Proliferation	2	1	1		2	1	1	2	2	2	9 1.6
Kupffer Cell, Pigmentation	3	3	2	1	4	2	3	4	3	3	10 2.8
Necrosis			2				1			3	3 2.0
Periportal, Degeneration	2										1 2.0
Periportal, Pigmentation										3	1 3.0
Pancreas	+	+	+	+	+	+	+	+	+	+	10
Salivary Glands	+	+	+	+	+	+	+	+	+	+	10
Stomach, Forestomach	+	+	+	+	+	+	+	+	A	+	9
Hyperplasia, Squamous, Focal				3		4				3	3 3.3
Inflammation, Acute					1						1 1.0
Inflammation, Chronic Active	1		2			3					3 2.0
Ulcer, Focal	2					3	2			2	4 2.3

* ..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

Experiment Number: 91005-02
 Test Type: 18-33 DAYS
 Route: GAVAGE
 Species/Strain: Mouse/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Methylene blue trihydrate
 CAS Number: 7220-79-3

Date Report Requested: 10/21/2014
 Time Report Requested: 09:02:46
 First Dose M/F: NA / NA
 Lab: BAT

B6C3F1 Mouse Female 1.0 G/KG	DAY ON TEST										*TOTALS
	0 7	0 8	0 6	0 5	0 7	0 8	0 7	0 7	0 8	0 8	
ANIMAL ID	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	
	0	0	0	0	0	0	0	0	0	0	
	1	2	3	4	5	6	7	8	9	0	
Stomach, Glandular	+	+	+	+	+	+	+	+	A	+	9
Cardiovascular System											
Blood Vessel	+	+	+	+	+	+	+	+	+	+	10
Heart	+	+	+	+	+	+	+	+	+	+	10
Myocardium, Necrosis, Acute	1	1			1	1	2			1	6 1.2
Endocrine System											
Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	10
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	10
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	10
Parathyroid Gland	+	+	+	+	+	+	M	+	+	+	9
Pituitary Gland	+	+	+	+	+	+	+	+	I	+	9
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	10
General Body System											
NONE											
Genital System											
Clitoral Gland	+	+	+	+	+	M	+	+	+	+	9
Ovary	+	+	+	+	+	+	+	+	I	+	9
Uterus	+	+	+	+	+	+	+	+	+	+	10
Hematopoietic System											
Bone Marrow	+	+	+	+	+	+	+	+	+	+	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

Experiment Number: 91005-02

Test Type: 18-33 DAYS

Route: GAVAGE

Species/Strain: Mouse/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Methylene blue trihydrate

CAS Number: 7220-79-3

Date Report Requested: 10/21/2014

Time Report Requested: 09:02:46

First Dose M/F: NA / NA

Lab: BAT

B6C3F1 Mouse Female 1.0 G/KG	DAY ON TEST											
	0	0	0	0	0	0	0	0	0	0		
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	*TOTALS	
	7	8	6	5	7	8	7	7	8	8		
Hyperplasia					2						1	2.0
Pigmentation	3	3	1	2	4	3	3	3	3	3	10	2.8
Lymph Node, Mandibular	+	+	+	+	+	+	M	+	M	+	8	
Necrosis	2	2	1			2				2	5	1.8
Lymph Node, Mesenteric	+	+	+	+	+	A	+	+	M	+	8	
Necrosis	2	2	1		2		2	2		2	7	1.9
Spleen	+	+	+	+	+	+	+	+	+	+	10	
Lymph Follic, Depletion Cellular	3	3	3	3	3	3	3	3	3	3	10	3.0
Pigmentation	2	3	3	3	3	3	4	3	3	3	10	3.0
Red Pulp, Hematopoietic Cell Proliferation	4	4	4	2	4	3	3	4	4	4	10	3.6
Thymus	+	+	+	+	+	+	+	+	+	+	10	
Necrosis	4	4	1	3	4	4	4	2	3	4	10	3.3
Integumentary System												
Mammary Gland	M	+	+	+	+	M	+	+	+	+	8	
Skin	+	+	+	+	M	+	+	+	+	+	9	
Musculoskeletal System												
Bone	+	+	+	+	+	+	+	+	+	+	10	
Nervous System												
Brain	+	+	+	+	+	+	+	+	+	+	10	
Respiratory System												
Lung	+	+	+	+	+	+	+	+	+	+	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

Experiment Number: 91005-02

Test Type: 18-33 DAYS

Route: GAVAGE

Species/Strain: Mouse/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Methylene blue trihydrate

CAS Number: 7220-79-3

Date Report Requested: 10/21/2014

Time Report Requested: 09:02:46

First Dose M/F: NA / NA

Lab: BAT

B6C3F1 Mouse Female 1.0 G/KG	DAY ON TEST										*TOTALS
	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	
	1	1	1	1	1	1	1	1	1	1	
	0	0	0	0	0	0	0	0	0	1	
	1	2	3	4	5	6	7	8	9	0	
Nose	+	+	+	+	+	+	+	+	+	+	10
Trachea	+	+	+	+	+	+	+	+	+	+	10
Special Senses System											
NONE											
Urinary System											
Kidney	+	+	+	+	+	+	+	+	+	+	10
Renal Tubule, Casts Protein	2	1					1			1	4 1.3
Renal Tubule, Necrosis	3						3	1	2	1	2 6 2.0
Renal Tubule, Pigmentation	3	2			1	3	3	3	2	3	8 2.5
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	10
Transit Epithe, Degeneration	1	1	1	1	1		1	1	1		8 1.0
Transit Epithe, Hyperplasia										2	1 2.0
Transit Epithe, Pigmentation	2	1	1	3	1		2			2	7 1.7

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1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Experiment Number: 91005-02

Test Type: 18-33 DAYS

Route: GAVAGE

Species/Strain: Mouse/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Methylene blue trihydrate

CAS Number: 7220-79-3

Date Report Requested: 10/21/2014

Time Report Requested: 09:02:46

First Dose M/F: NA / NA

Lab: BAT

B6C3F1 Mouse Female 2.0 G/KG	DAY ON TEST	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	
		1	1	1	1	1	1	1	1	1	1	
		1	1	1	1	1	1	1	1	1	2	
		1	2	3	4	5	6	7	8	9	0	*TOTALS

Alimentary System

Esophagus	+	+	+	+	+	+	+	+	+	+	10	
Gallbladder	+	+	+	+	+	+	+	+	+	+	10	
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	10	
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	10	
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	10	
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	10	
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	10	
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	10	
Liver	+	+	+	+	+	+	+	+	+	+	10	
Hematopoietic Cell Proliferation				1							1	2 1.0
Kupffer Cell, Pigmentation	2	3	2	3	2	3	2	2	1	1		10 2.1
Necrosis	1	1	1		3	4	3					6 2.2
Pancreas	+	+	+	+	+	+	+	+	+	+	10	
Salivary Glands	+	+	+	+	+	+	+	+	+	+	10	
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	10	
Ulcer, Focal				4		3						2 3.5
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	10	

Cardiovascular System

Blood Vessel	M	+	+	+	+	+	+	+	+	+	9	
Heart	+	+	+	+	+	+	+	+	+	+	10	
Myocardium, Necrosis, Acute	2	1	1		1	1	1					6 1.2

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Experiment Number: 91005-02
 Test Type: 18-33 DAYS
 Route: GAVAGE
 Species/Strain: Mouse/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Methylene blue trihydrate
 CAS Number: 7220-79-3

Date Report Requested: 10/21/2014
 Time Report Requested: 09:02:46
 First Dose M/F: NA / NA
 Lab: BAT

B6C3F1 Mouse Female 2.0 G/KG	DAY ON TEST										*TOTALS
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	3	3	3	4	3	4	3	2	2	2	
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	
0	0	0	0	0	0	0	0	0	0	0	
1	1	1	1	1	1	1	1	1	1	1	
1	1	1	1	1	1	1	1	1	1	2	
1	1	2	3	4	5	6	7	8	9	0	

Endocrine System

Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	10
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	10
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	10
Parathyroid Gland	+	+	+	+	M	+	+	M	M	+	7
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	10
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	10

General Body System

NONE

Genital System

Clitoral Gland	+	+	+	+	+	+	+	+	+	+	10
Ovary	+	+	+	+	+	+	+	+	+	+	10
Uterus	+	+	+	+	+	+	+	+	+	+	10

Hematopoietic System

Bone Marrow	+	+	+	+	+	+	+	+	+	+	10
Erythroid Cell, Hyperplasia			2								1 2.0
Pigmentation	1	1		3	2	3	3	1	1	1	9 1.8
Lymph Node, Mandibular	+	+	+	+	+	+	+	+	+	+	10
Necrosis	2	2	3	2	2	1	2	1			8 1.9
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	A	9
Necrosis	3	2	2	2	2	2	3	3	2		9 2.3

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Route: GAVAGE

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Test Compound: Methylene blue trihydrate

CAS Number: 7220-79-3

Date Report Requested: 10/21/2014

Time Report Requested: 09:02:46

First Dose M/F: NA / NA

Lab: BAT

B6C3F1 Mouse Female 2.0 G/KG	DAY ON TEST											
	0	0	0	0	0	0	0	0	0	0		
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	*TOTALS	
	3	3	3	4	3	4	3	2	2	2		
Necrosis	3	2	2	2	2	2	3	3	2	9	2.3	
Spleen	+	+	+	+	+	+	+	+	+	10		
Congestion	3	3	2	2	2	3	2	2	2	9	2.3	
Lymph Follic, Depletion Cellular	2	3	3	3	3	3	3	2	2	10	2.6	
Pigmentation	1		3	4	2	4	3	2	1	8	2.5	
Thymus	+	+	+	+	+	+	+	+	+	10		
Necrosis	4	3	3	3	4	4	4	1	2	10	3.0	
Integumentary System												
Mammary Gland	+	+	+	+	+	+	+	+	+	10		
Skin	+	+	+	+	+	+	+	+	+	10		
Musculoskeletal System												
Bone	+	+	+	+	+	+	+	+	+	10		
Nervous System												
Brain	+	+	+	+	+	+	+	+	+	10		
Peripheral Nerve	+		+	+						3		
Spinal Cord	+		+	+						3		
Respiratory System												
Lung	+	+	+	+	+	+	+	+	+	10		
Nose	+	+	+	+	+	+	+	+	+	10		
Trachea	+	+	+	+	+	+	+	+	+	10		

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B6C3F1 Mouse Female 2.0 G/KG	DAY ON TEST	0	0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	0	
		3	3	3	4	3	4	3	2	2	2	
	ANIMAL ID	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0		
	1	1	1	1	1	1	1	1	1	1		
	1	1	1	1	1	1	1	1	1	2		
	1	2	3	4	5	6	7	8	9	0		
		*TOTALS										

Special Senses System

Eye + + 2

Urinary System

Kidney	+	+	+	+	+	+	+	+	+	+	10
Renal Tubule, Casts Protein	2				3	3					3 2.7
Renal Tubule, Necrosis				1	1	3					3 1.7
Renal Tubule, Pigmentation	2	1	2	2	3	2	4				7 2.3
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	10
Transit Epithe, Degeneration	1		1	1	1	1	1	1		1	8 1.0
Transit Epithe, Hyperplasia		2									1 2.0
Transit Epithe, Pigmentation					2	1					2 1.5

** END OF REPORT **

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