

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Methylene blue trihydrate  
**CAS Number:** 7220-79-3

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 08:55:42  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Methylene blue trihydrate  
**CAS Number:** 7220-79-3

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 08:55:42  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 1	<b>TRT#:</b> 1	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 30
	<b>DOSE:</b> 0 G/KG	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 9206511

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Gallbladder	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Liver	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

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**MISSING**

\* Mammary Gland

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Methylene blue trihydrate  
**CAS Number:** 7220-79-3

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 08:55:42  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 2	<b>TRT#:</b> 1	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 30
	<b>DOSE:</b> 0 G/KG	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 9206512

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Gallbladder	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Liver	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Pancreas
* Pituitary Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

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**MISSING**

* Mammary Gland	* Parathyroid Gland
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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Methylene blue trihydrate  
**CAS Number:** 7220-79-3

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 08:55:42  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 3	<b>TRT#:</b> 1	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 30
	<b>DOSE:</b> 0 G/KG	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 9206513

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Gallbladder	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Liver	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

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**MISSING**

\* Mammary Gland

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Methylene blue trihydrate  
**CAS Number:** 7220-79-3

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 08:55:42  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 4	<b>TRT#:</b> 1	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 30
	<b>DOSE:</b> 0 G/KG	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 9206514

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Gallbladder	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Liver	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

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**MISSING**

\* Mammary Gland

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 91005-02

**Test Type:** 18-33 DAYS

**Route:** GAVAGE

**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Methylene blue trihydrate

**CAS Number:** 7220-79-3

**Date Report Requested:** 10/21/2014

**Time Report Requested:** 08:55:42

**First Dose M/F:** NA / NA

**Lab:** BAT

**ANIMAL ID:** 5

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 30

**DOSE:** 0 G/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9206515

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

- |                           |                             |                          |                            |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Cortex          | * Adrenal Medulla           | * Blood Vessel           | * Bone                     |
| * Bone Marrow             | * Brain                     | * Epididymis             | * Esophagus                |
| * Gallbladder             | * Heart                     | * Intestine Large, Cecum | * Intestine Large, Colon   |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic      | * Kidney                    | * Liver                  | * Lung                     |
| * Lymph Node, Mandibular  | * Lymph Node, Mesenteric    | * Nose                   | * Pancreas                 |
| * Parathyroid Gland       | * Pituitary Gland           | * Preputial Gland        | * Prostate                 |
| * Salivary Glands         | * Seminal Vesicle           | * Skin                   | * Spleen                   |
| * Stomach, Forestomach    | * Stomach, Glandular        | * Testes                 | * Thymus                   |
| * Thyroid Gland           | * Trachea                   | * Urinary Bladder        |                            |

**MISSING**

- \* Mammary Gland

**PRIMARY CAUSE OF DEATH** -

\* PROTOCOL REQUIRED TISSUE

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Methylene blue trihydrate  
**CAS Number:** 7220-79-3

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 08:55:42  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 6	<b>TRT#:</b> 1	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 30
	<b>DOSE:</b> 0 G/KG	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 9206516

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Gallbladder	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Liver	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

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**MISSING**

\* Mammary Gland

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Methylene blue trihydrate  
**CAS Number:** 7220-79-3

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 08:55:42  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 7	<b>TRT#:</b> 1	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 30
	<b>DOSE:</b> 0 G/KG	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 9206517

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Gallbladder	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Liver	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

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**MISSING**

\* Mammary Gland

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE



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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Methylene blue trihydrate  
**CAS Number:** 7220-79-3

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 08:55:42  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 8	<b>TRT#:</b> 1 <b>DOSE:</b> 0 G/KG	<b>SEX:</b> Male <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 30 <b>HISTO:</b> 9206518
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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Gallbladder	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Liver	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

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**MISSING**

\* Mammary Gland

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**OBSERVATIONS**

* Spleen	Red Pulp	Hematopoietic Cell Proliferation	Minimal
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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Methylene blue trihydrate  
**CAS Number:** 7220-79-3

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 08:55:42  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 9	<b>TRT#:</b> 1 <b>DOSE:</b> 0 G/KG	<b>SEX:</b> Male <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 30 <b>HISTO:</b> 9206519
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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Gallbladder	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Liver	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Pancreas
* Parathyroid Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

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**MISSING**

* Mammary Gland	* Pituitary Gland
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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Methylene blue trihydrate  
**CAS Number:** 7220-79-3

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 08:55:42  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 10

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 30

**DOSE:** 0 G/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9206520

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Gallbladder	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Liver	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

**MISSING**

\* Mammary Gland

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Methylene blue trihydrate  
**CAS Number:** 7220-79-3

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 08:55:42  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 11	<b>TRT#:</b> 3 <b>DOSE:</b> 0.125 G/KG	<b>SEX:</b> Male <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 30 <b>HISTO:</b> 9206611
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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Heart	* Kidney	* Lymph Node, Mandibular	* Stomach, Forestomach
* Urinary Bladder			

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**OBSERVATIONS**

* Bone Marrow		Pigmentation	Moderate
* Liver	Periportal	Degeneration	Minimal
		Hematopoietic Cell Proliferation	Minimal
	Kupffer Cell	Pigmentation	Moderate
* Lymph Node, Mesenteric		Necrosis	Minimal
* Spleen	Lymph Follic	Depletion Cellular	Mild
	Red Pulp	Hematopoietic Cell Proliferation	Marked
		Pigmentation	Moderate
	[ Hematopoietic Cell Proliferation TGLS = 1-3 ]		
* Thymus		Necrosis	Minimal

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Methylene blue trihydrate  
**CAS Number:** 7220-79-3

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 08:55:42  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 12	<b>TRT#:</b> 3 <b>DOSE:</b> 0.125 G/KG	<b>SEX:</b> Male <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 30 <b>HISTO:</b> 9206612
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**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Heart	* Kidney	* Stomach, Forestomach	* Urinary Bladder
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**MISSING**

\* Lymph Node, Mandibular

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**OBSERVATIONS**

* Bone Marrow		Pigmentation	Mild
* Liver	Periportal	Degeneration	Minimal
		Hematopoietic Cell Proliferation	Minimal
	Kupffer Cell	Pigmentation	Mild
* Lymph Node, Mesenteric		Necrosis	Minimal
* Spleen	Red Pulp	Hematopoietic Cell Proliferation	Mild
		Pigmentation	Moderate
	[ Hematopoietic Cell Proliferation TGLS = 1-3 ]		
* Thymus		Necrosis	Minimal

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Methylene blue trihydrate  
**CAS Number:** 7220-79-3

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 08:55:42  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 13	<b>TRT#:</b> 3 <b>DOSE:</b> 0.125 G/KG	<b>SEX:</b> Male <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 30 <b>HISTO:</b> 9206613
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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Kidney	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Stomach, Forestomach
* Urinary Bladder			

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**OBSERVATIONS**

* Bone	Patella	Arthrosis	Chronic Active, Moderate
Note: patella fused to femur [ Arthrosis TGLS = 2-5 ]			
* Bone Marrow		Pigmentation	Mild
* Heart		Mineralization	Minimal
* Liver	Kupffer Cell	Pigmentation	Mild
* Spleen	Lymph Follic	Depletion Cellular	Moderate
	Red Pulp	Hematopoietic Cell Proliferation	Moderate
		Pigmentation	Mild
[ Hematopoietic Cell Proliferation TGLS = 1-3 ]			
* Thymus		Necrosis	Minimal

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Methylene blue trihydrate  
**CAS Number:** 7220-79-3

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 08:55:42  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 14	<b>TRT#:</b> 3	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 30
	<b>DOSE:</b> 0.125 G/KG	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 9206614

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Kidney	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Stomach, Forestomach
* Urinary Bladder			

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**OBSERVATIONS**

* Bone Marrow		Pigmentation	Mild
* Heart		Mineralization	Minimal
* Liver	Kupffer Cell	Pigmentation	Mild
* Spleen	Lymph Follic	Depletion Cellular	Mild
	Red Pulp	Hematopoietic Cell Proliferation	Moderate
		Pigmentation	Moderate
[ Hematopoietic Cell Proliferation TGLS = 1-3 ]			
* Thymus		Necrosis	Minimal

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PRIMARY CAUSE OF DEATH -

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\* PROTOCOL REQUIRED TISSUE

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Methylene blue trihydrate  
**CAS Number:** 7220-79-3

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 08:55:42  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 15	<b>TRT#:</b> 3	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 30
	<b>DOSE:</b> 0.125 G/KG	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 9206615

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Heart	* Kidney	* Lymph Node, Mandibular	* Stomach, Forestomach
* Thymus	* Urinary Bladder		

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**OBSERVATIONS**

* Bone Marrow		Pigmentation	Mild
* Liver	Kupffer Cell	Pigmentation	Mild
* Lymph Node, Mesenteric		Necrosis	Minimal
* Spleen	Lymph Follic	Depletion Cellular	Mild
	Red Pulp	Hematopoietic Cell Proliferation	Mild
		Pigmentation	Mild

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE



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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Methylene blue trihydrate  
**CAS Number:** 7220-79-3

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 08:55:42  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 16	<b>TRT#:</b> 3	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 30
	<b>DOSE:</b> 0.125 G/KG	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 9206616

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Heart	* Kidney	* Lymph Node, Mandibular	* Stomach, Forestomach
* Thymus	* Urinary Bladder		

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**OBSERVATIONS**

* Bone Marrow		Pigmentation	Mild
* Liver		Hematopoietic Cell Proliferation	Minimal
	Kupffer Cell	Pigmentation	Moderate
* Lymph Node, Mesenteric		Necrosis	Minimal
* Spleen	Lymph Follic	Depletion Cellular	Mild
	Red Pulp	Hematopoietic Cell Proliferation	Moderate
		Pigmentation	Moderate

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[ Hematopoietic Cell Proliferation TGLS = 1-3 ]

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Methylene blue trihydrate  
**CAS Number:** 7220-79-3

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 08:55:42  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 17	<b>TRT#:</b> 3 <b>DOSE:</b> 0.125 G/KG	<b>SEX:</b> Male <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 30 <b>HISTO:</b> 9206617
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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

* Heart	* Kidney	* Lymph Node, Mandibular	* Stomach, Forestomach
* Urinary Bladder			

---

**OBSERVATIONS**

* Bone Marrow		Pigmentation	Mild
* Liver	Periportal	Degeneration	Minimal
		Hematopoietic Cell Proliferation	Minimal
	Kupffer Cell	Pigmentation	Mild
* Lymph Node, Mesenteric		Necrosis	Minimal
* Spleen	Lymph Follic	Depletion Cellular	Mild
	Red Pulp	Hematopoietic Cell Proliferation	Moderate
		Pigmentation	Moderate
	[ Hematopoietic Cell Proliferation TGLS = 1-3 ]		
* Thymus		Necrosis	Minimal

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**PRIMARY CAUSE OF DEATH** -

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\* PROTOCOL REQUIRED TISSUE

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Methylene blue trihydrate  
**CAS Number:** 7220-79-3

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 08:55:42  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 18	<b>TRT#:</b> 3	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 30
	<b>DOSE:</b> 0.125 G/KG	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 9206618

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Heart	* Kidney	* Lymph Node, Mandibular	* Stomach, Forestomach
* Thymus	* Urinary Bladder		

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**OBSERVATIONS**

* Bone Marrow		Pigmentation	Mild
* Liver	Periportal	Degeneration	Minimal
	Kupffer Cell	Pigmentation	Mild
* Lymph Node, Mesenteric		Necrosis	Minimal
* Spleen	Lymph Follic	Depletion Cellular	Mild
	Red Pulp	Hematopoietic Cell Proliferation	Moderate
		Pigmentation	Moderate

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[ Hematopoietic Cell Proliferation TGLS = 1-3 ]

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Methylene blue trihydrate  
**CAS Number:** 7220-79-3

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 08:55:42  
**First Dose M/F:** NA / NA  
**Lab:** BAT

---

<b>ANIMAL ID:</b> 19	<b>TRT#:</b> 3	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 30
	<b>DOSE:</b> 0.125 G/KG	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 9206619

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Heart	* Kidney	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Stomach, Forestomach	* Urinary Bladder		

---

**OBSERVATIONS**

* Bone Marrow		Pigmentation	Mild
* Liver	Periportal	Degeneration	Minimal
	Kupffer Cell	Pigmentation	Mild
* Spleen	Lymph Follic	Depletion Cellular	Mild
	Red Pulp	Hematopoietic Cell Proliferation	Mild
		Pigmentation	Moderate
	[ Hematopoietic Cell Proliferation TGLS = 1-3 ]		
* Thymus		Necrosis	Minimal

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Methylene blue trihydrate  
**CAS Number:** 7220-79-3

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 08:55:42  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 20	<b>TRT#:</b> 3	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 30
	<b>DOSE:</b> 0.125 G/KG	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 9206620

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Heart	* Kidney	* Lymph Node, Mandibular	* Stomach, Forestomach
* Urinary Bladder			

---

**OBSERVATIONS**

* Bone Marrow		Pigmentation	Mild
* Liver	Periportal	Degeneration	Minimal
		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Mild
* Lymph Node, Mesenteric		Necrosis	Mild
* Spleen	Lymph Follic	Depletion Cellular	Mild
	Red Pulp	Hematopoietic Cell Proliferation	Moderate
		Pigmentation	Moderate
	[ Hematopoietic Cell Proliferation TGLS = 1-3 ]		
* Thymus		Necrosis	Minimal

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Methylene blue trihydrate  
**CAS Number:** 7220-79-3

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 08:55:42  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 21

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 30

**DOSE:** 0.25 G/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9206591

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Brain	* Epididymis	* Esophagus	* Gallbladder
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thyroid Gland	* Trachea

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

* Bone Marrow		Pigmentation	Moderate
* Heart		Mineralization	Moderate
* Kidney	Renal Tubule	Pigmentation	Mild
* Liver	Centrilobular	Degeneration	Minimal
		Hematopoietic Cell Proliferation	Minimal
* Spleen	Kupffer Cell	Pigmentation	Moderate
	Lymph Follic	Depletion Cellular	Moderate
	Red Pulp	Hematopoietic Cell Proliferation	Marked
		Pigmentation	Mild
	[ Hematopoietic Cell Proliferation TGLS = 1-3 ]		
* Thymus		Necrosis	Mild
* Urinary Bladder	Transit Epithe	Degeneration	Minimal
	Transit Epithe	Pigmentation	Minimal

**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Methylene blue trihydrate  
**CAS Number:** 7220-79-3

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 08:55:42  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 22

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 30

**DOSE:** 0.25 G/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9206592

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Brain	* Epididymis	* Esophagus	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Kidney	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thyroid Gland	* Trachea		

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

* Bone Marrow		Pigmentation	Moderate
* Liver	Periportal	Degeneration	Minimal
		Hematopoietic Cell Proliferation	Minimal
	Kupffer Cell	Pigmentation	Moderate
* Spleen	Lymph Follic	Depletion Cellular	Moderate
		Hematopoietic Cell Proliferation	Moderate
		Pigmentation	Mild
	[ Hematopoietic Cell Proliferation TGLS = 1-3 ]		
* Thymus		Necrosis	Moderate
* Urinary Bladder	Transit Epithe	Degeneration	Minimal
	Transit Epithe	Pigmentation	Mild

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Methylene blue trihydrate  
**CAS Number:** 7220-79-3

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 08:55:42  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 23

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 30

**DOSE:** 0.25 G/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9206593

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Brain	* Epididymis	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney
* Lung	* Lymph Node, Mandibular	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thyroid Gland	* Trachea

**MISSING**

* Gallbladder	* Mammary Gland
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**OBSERVATIONS**

* Bone Marrow		Pigmentation	Moderate
* Liver	Periportal	Degeneration	Minimal
		Hematopoietic Cell Proliferation	Minimal
	Kupffer Cell	Pigmentation	Moderate
* Lymph Node, Mesenteric		Necrosis	Minimal
* Spleen	Lymph Follic	Depletion Cellular	Mild
	Red Pulp	Hematopoietic Cell Proliferation	Moderate
		Pigmentation	Moderate
	[ Hematopoietic Cell Proliferation TGLS = 1-3 ]		
* Thymus		Necrosis	Mild
* Urinary Bladder	Transit Epithe	Degeneration	Minimal

**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE



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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Methylene blue trihydrate  
**CAS Number:** 7220-79-3

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 08:55:42  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 24	<b>TRT#:</b> 5	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 13
	<b>DOSE:</b> 0.25 G/KG	<b>DISP:</b> Moribund Sacrifice	<b>HISTO:</b> 9206594

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Brain	* Epididymis	* Esophagus	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Nose	* Pancreas
* Parathyroid Gland	Peripheral Nerve	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
Spinal Cord	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thyroid Gland	* Trachea		

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**MISSING**

\* Mammary Gland

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**OBSERVATIONS**

* Bone Marrow		Pigmentation	Marked
* Kidney	Renal Tubule	Necrosis	Mild
	Renal Tubule	Pigmentation	Mild
* Liver	Kupffer Cell	Pigmentation	Moderate
* Lymph Node, Mesenteric		Necrosis	Minimal
* Spleen	Lymph Follicle	Depletion Cellular	Marked
	Red Pulp	Hematopoietic Cell Proliferation	Marked
		Pigmentation	Moderate
* Thymus		Necrosis	Marked
* Urinary Bladder	Transit Epithelium	Degeneration	Minimal
	Transit Epithelium	Pigmentation	Moderate

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**PRIMARY CAUSE OF DEATH** - UNCERTAIN

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\* PROTOCOL REQUIRED TISSUE

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Methylene blue trihydrate  
**CAS Number:** 7220-79-3

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 08:55:42  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 25

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 30

**DOSE:** 0.25 G/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9206595

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Brain	* Epididymis	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thyroid Gland	* Trachea	* Urinary Bladder

**MISSING**

* Gallbladder	* Mammary Gland
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**OBSERVATIONS**

* Bone Marrow		Pigmentation	Moderate
* Heart		Mineralization	Mild
* Kidney	Renal Tubule	Pigmentation	Mild
* Liver	Periportal	Degeneration	Minimal
		Mineralization	Minimal
* Spleen	Kupffer Cell	Pigmentation	Moderate
	Lymph Follic	Depletion Cellular	Marked
	Red Pulp	Hematopoietic Cell Proliferation	Marked
		Pigmentation	Mild
	[ Hematopoietic Cell Proliferation TGLS = 1-3 ]		
* Thymus		Necrosis	Minimal

**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Methylene blue trihydrate  
**CAS Number:** 7220-79-3

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 08:55:42  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 26	<b>TRT#:</b> 5	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 30
	<b>DOSE:</b> 0.25 G/KG	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 9206596

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Brain	* Epididymis	* Esophagus	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Kidney	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

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**MISSING**

\* Mammary Gland

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**OBSERVATIONS**

* Bone Marrow		Pigmentation	Mild
* Liver	Periportal	Degeneration	Minimal
		Hematopoietic Cell Proliferation	Minimal
	Kupffer Cell	Pigmentation	Moderate
* Spleen	Lymph Follic	Depletion Cellular	Moderate
	Red Pulp	Hematopoietic Cell Proliferation	Moderate
		Pigmentation	Mild

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[ Hematopoietic Cell Proliferation TGLS = 1-3 ]

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Methylene blue trihydrate  
**CAS Number:** 7220-79-3

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 08:55:42  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 27

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 30

**DOSE:** 0.25 G/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9206597

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Brain	* Epididymis	* Esophagus	* Gallbladder
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Nose	* Pancreas	* Pituitary Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Glandular	* Testes	* Thyroid Gland
* Trachea	* Urinary Bladder		

**MISSING**

* Mammary Gland	* Parathyroid Gland
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**OBSERVATIONS**

* Bone Marrow		Pigmentation	Moderate
		Pigmentation	Mild
* Heart		Mineralization	Moderate
* Kidney	Renal Tubule	Pigmentation	Mild
* Liver		Hematopoietic Cell Proliferation	Minimal
	Kupffer Cell	Pigmentation	Moderate
* Lymph Node, Mesenteric		Necrosis	Minimal
* Spleen	Lymph Follicle	Depletion Cellular	Marked
	Red Pulp	Hematopoietic Cell Proliferation	Marked
		Pigmentation	Moderate
		[ Hematopoietic Cell Proliferation TGLS = 1-3 ]	
* Stomach, Forestomach		Hyperplasia	Squamous, Focal, Moderate
* Thymus		Necrosis	Moderate

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Methylene blue trihydrate  
**CAS Number:** 7220-79-3

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 08:55:42  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 28

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 30

**DOSE:** 0.25 G/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9206598

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Brain	* Epididymis	* Esophagus	* Gallbladder
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney
* Lung	* Nose	* Pancreas	* Pituitary Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thyroid Gland	* Trachea	* Urinary Bladder	

**MISSING**

* Mammary Gland	* Parathyroid Gland
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**OBSERVATIONS**

* Bone Marrow		Pigmentation	Mild
* Heart		Mineralization	Minimal
* Liver	Periportal	Degeneration	Minimal
	Kupffer Cell	Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Marked
* Lymph Node, Mandibular		Necrosis	Minimal
* Lymph Node, Mesenteric		Necrosis	Minimal
* Spleen	Lymph Follic	Depletion Cellular	Mild
	Red Pulp	Hematopoietic Cell Proliferation	Moderate
		Pigmentation	Moderate
	[ Hematopoietic Cell Proliferation TGLS = 1-3 ]		
* Thymus		Necrosis	Minimal

**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Methylene blue trihydrate  
**CAS Number:** 7220-79-3

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 08:55:42  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 29	<b>TRT#:</b> 5	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 6
	<b>DOSE:</b> 0.25 G/KG	<b>DISP:</b> Natural Death	<b>HISTO:</b> 9206599

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Brain	* Epididymis	* Esophagus	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Kidney	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Pancreas	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thyroid Gland	* Trachea		

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**MISSING**

* Mammary Gland	* Parathyroid Gland
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**OBSERVATIONS**

* Bone Marrow		Pigmentation	Minimal
* Liver	Kupffer Cell	Pigmentation	Mild
* Thymus		Necrosis	Mild
* Urinary Bladder	Transit Epithe	Degeneration	Minimal
	Transit Epithe	Pigmentation	Mild

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<b>PRIMARY CAUSE OF DEATH</b>	- UNCERTAIN
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\* PROTOCOL REQUIRED TISSUE

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Methylene blue trihydrate  
**CAS Number:** 7220-79-3

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 08:55:42  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 30	<b>TRT#:</b> 5	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 30
	<b>DOSE:</b> 0.25 G/KG	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 9206600

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Brain	* Epididymis	* Esophagus	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mesenteric	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thyroid Gland	* Trachea
* Urinary Bladder			

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**MISSING**

* Lymph Node, Mandibular	* Mammary Gland
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**OBSERVATIONS**

* Bone Marrow		Pigmentation	Moderate
* Kidney	Renal Tubule	Necrosis	Mild
* Liver	Kupffer Cell	Pigmentation	Moderate
* Spleen	Lymph Follicle	Depletion Cellular	Moderate
	Red Pulp	Hematopoietic Cell Proliferation	Mild
		Pigmentation	Moderate
	[ Hematopoietic Cell Proliferation TGLS = 1-3 ]		
* Thymus		Necrosis	Mild

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**PRIMARY CAUSE OF DEATH** -

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\* PROTOCOL REQUIRED TISSUE

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Methylene blue trihydrate  
**CAS Number:** 7220-79-3

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 08:55:42  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 31	<b>TRT#:</b> 7	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 6
	<b>DOSE:</b> 0.5 G/KG	<b>DISP:</b> Natural Death	<b>HISTO:</b> 95206571

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Brain	* Epididymis	* Esophagus	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Kidney	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thyroid Gland	* Trachea		

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**MISSING**

\* Mammary Gland

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**OBSERVATIONS**

* Bone Marrow		Pigmentation	Moderate
* Liver	Kupffer Cell	Pigmentation	Moderate
* Spleen	Lymph Follic	Depletion Cellular	Mild
	Red Pulp	Hematopoietic Cell Proliferation	Moderate
		Pigmentation	Marked
* Thymus		Necrosis	Minimal
* Urinary Bladder	Transit Epithe	Degeneration	Minimal
	Transit Epithe	Pigmentation	Moderate

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**PRIMARY CAUSE OF DEATH** - UNCERTAIN

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\* PROTOCOL REQUIRED TISSUE



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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Methylene blue trihydrate  
**CAS Number:** 7220-79-3

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 08:55:42  
**First Dose M/F:** NA / NA  
**Lab:** BAT

<b>ANIMAL ID:</b> 32	<b>TRT#:</b> 7	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 9
	<b>DOSE:</b> 0.5 G/KG	<b>DISP:</b> Natural Death	<b>HISTO:</b> 9206572

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Brain	* Epididymis	* Esophagus	Eye
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Nose	* Pancreas	* Pituitary Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thyroid Gland	* Trachea		

**MISSING**

* Gallbladder	* Lymph Node, Mandibular	* Mammary Gland	* Parathyroid Gland
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**OBSERVATIONS**

* Bone Marrow		Pigmentation	Moderate
* Kidney	Renal Tubule	Necrosis	Mild
	Renal Tubule	Pigmentation	Moderate
* Liver	Periportal	Degeneration	Minimal
		Hematopoietic Cell Proliferation	Mild
	Kupffer Cell	Pigmentation	Marked
	Periportal	Pigmentation	Minimal
* Lymph Node, Mesenteric		Necrosis	Minimal
* Spleen	Lymph Follic	Depletion Cellular	Moderate
	Red Pulp	Hematopoietic Cell Proliferation	Moderate
		Pigmentation	Marked
	[ Hematopoietic Cell Proliferation TGLS = 2-3 ]		
* Thymus		Necrosis	Moderate
* Urinary Bladder	Muscularis	Degeneration	Moderate
	Transit Epithe	Degeneration	Mild
	Transit Epithe	Pigmentation	Mild

**PRIMARY CAUSE OF DEATH** - UNCERTAIN

\* PROTOCOL REQUIRED TISSUE

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Methylene blue trihydrate  
**CAS Number:** 7220-79-3

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 08:55:42  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 33

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 9

**DOSE:** 0.5 G/KG

**DISP:** Moribund Sacrifice

**HISTO:** 9206573

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Brain	* Epididymis	* Esophagus	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Nose	* Pancreas
* Parathyroid Gland	Peripheral Nerve	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
Spinal Cord	* Stomach, Glandular	* Testes	* Thyroid Gland
* Trachea			

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

* Bone Marrow		Pigmentation	Moderate
* Kidney	Renal Tubule	Pigmentation	Moderate
* Liver		Hematopoietic Cell Proliferation	Mild
	Kupffer Cell	Pigmentation	Marked
* Lymph Node, Mesenteric		Necrosis	Mild
* Spleen	Lymph Follicle	Depletion Cellular	Mild
	Red Pulp	Hematopoietic Cell Proliferation	Moderate
		Pigmentation	Moderate
	[ Hematopoietic Cell Proliferation TGLS = 1-3 ]		
* Stomach, Forestomach		Ulcer	Focal, Minimal
* Thymus		Necrosis	Mild
* Urinary Bladder	Muscularis	Degeneration	Moderate
	Transit Epithelium	Degeneration	Minimal
	Transit Epithelium	Pigmentation	Mild

**PRIMARY CAUSE OF DEATH**

- UNCERTAIN

\* PROTOCOL REQUIRED TISSUE

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Methylene blue trihydrate  
**CAS Number:** 7220-79-3

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 08:55:42  
**First Dose M/F:** NA / NA  
**Lab:** BAT

<b>ANIMAL ID:</b> 34	<b>TRT#:</b> 7	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 9
	<b>DOSE:</b> 0.5 G/KG	<b>DISP:</b> Moribund Sacrifice	<b>HISTO:</b> 9206574

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Brain	* Epididymis	* Esophagus	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Nose	* Pancreas	* Parathyroid Gland
Peripheral Nerve	* Pituitary Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	Spinal Cord
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thyroid Gland
* Trachea			

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

* Bone Marrow		Pigmentation	Mild
* Kidney	Renal Tubule	Pigmentation	Minimal
* Liver	Periportal	Degeneration	Minimal
		Hematopoietic Cell Proliferation	Mild
	Kupffer Cell	Pigmentation	Marked
* Lymph Node, Mandibular		Necrosis	Mild
* Lymph Node, Mesenteric		Necrosis	Mild
* Spleen	Lymph Follic	Depletion Cellular	Moderate
	Red Pulp	Hematopoietic Cell Proliferation	Moderate
		Pigmentation	Mild
	[ Hematopoietic Cell Proliferation TGLS = 1-3 ]		
* Thymus		Necrosis	Mild
* Urinary Bladder	Muscularis	Degeneration	Minimal
	Transit Epithe	Degeneration	Minimal
	Transit Epithe	Pigmentation	Mild

**PRIMARY CAUSE OF DEATH** - UNCERTAIN

\* PROTOCOL REQUIRED TISSUE

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Methylene blue trihydrate  
**CAS Number:** 7220-79-3

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 08:55:42  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 35

**TRT#:** 7  
**DOSE:** 0.5 G/KG

**SEX:** Male  
**DISP:** Natural Death

**DAY ON TEST:** 8  
**HISTO:** 9206575

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Brain	* Epididymis	* Esophagus	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Glandular	* Testes
* Thyroid Gland	* Trachea		

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

* Bone Marrow		Pigmentation	Moderate
* Kidney	Renal Tubule	Pigmentation	Mild
* Liver		Hematopoietic Cell Proliferation	Minimal
	Kupffer Cell	Pigmentation	Mild
* Lymph Node, Mandibular		Necrosis	Minimal
* Lymph Node, Mesenteric		Necrosis	Minimal
* Spleen	Lymph Follicle	Depletion Cellular	Marked
	Red Pulp	Hematopoietic Cell Proliferation	Marked
		Pigmentation	Moderate
	[ Hematopoietic Cell Proliferation TGLS = 1-3 ]		
* Stomach, Forestomach		Hyperplasia	Squamous, Focal, Moderate
		Inflammation	Chronic Active, Mild
	Note: multiple foci		
	[ Hyperplasia TGLS = 2-4,8 ]		
* Thymus		Necrosis	Moderate
* Urinary Bladder	Muscularis	Degeneration	Mild
	Transit Epithelium	Degeneration	Minimal
	Transit Epithelium	Pigmentation	Moderate

**PRIMARY CAUSE OF DEATH** - UNCERTAIN

\* PROTOCOL REQUIRED TISSUE

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Methylene blue trihydrate  
**CAS Number:** 7220-79-3

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 08:55:42  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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**ANIMAL ID:** 35

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 8

**DOSE:** 0.5 G/KG

**DISP:** Natural Death

**HISTO:** 9206575

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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\* PROTOCOL REQUIRED TISSUE

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Methylene blue trihydrate  
**CAS Number:** 7220-79-3

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 08:55:42  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 36

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 8

**DOSE:** 0.5 G/KG

**DISP:** Natural Death

**HISTO:** 9206576

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Brain	* Epididymis	* Esophagus	Eye
* Gallbladder	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thyroid Gland	* Trachea	

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

* Bone Marrow		Pigmentation	Moderate
* Heart	Myocardium	Degeneration	Chronic, Focal, Mild
* Kidney	Renal Tubule	Pigmentation	Mild
* Liver	Periportal	Degeneration	Minimal
		Hematopoietic Cell Proliferation	Mild
	Kupffer Cell	Pigmentation	Moderate
* Lymph Node, Mandibular		Necrosis	Minimal
* Lymph Node, Mesenteric		Necrosis	Minimal
* Spleen	Lymph Follic	Depletion Cellular	Moderate
	Red Pulp	Hematopoietic Cell Proliferation	Marked
		Pigmentation	Moderate
	[ Hematopoietic Cell Proliferation TGLS = 2-3 ]		
* Thymus		Necrosis	Moderate
* Urinary Bladder	Muscularis	Degeneration	Mild
	Transit Epithe	Degeneration	Minimal
	Transit Epithe	Pigmentation	Moderate

**PRIMARY CAUSE OF DEATH**

- UNCERTAIN

\* PROTOCOL REQUIRED TISSUE

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Methylene blue trihydrate  
**CAS Number:** 7220-79-3

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 08:55:42  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 37	<b>TRT#:</b> 7	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 8
	<b>DOSE:</b> 0.5 G/KG	<b>DISP:</b> Natural Death	<b>HISTO:</b> 9206577

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Brain	* Epididymis	* Esophagus	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Lung
* Lymph Node, Mandibular	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thyroid Gland	* Trachea	

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**MISSING**

* Lymph Node, Mesenteric	* Mammary Gland
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**AUTO PRECLUDES DIAG.**

* Intestine Large, Colon	* Intestine Small, Ileum	* Urinary Bladder
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**OBSERVATIONS**

* Bone Marrow		Pigmentation	Moderate
* Liver		Hematopoietic Cell Proliferation	Minimal
	Kupffer Cell	Pigmentation	Marked
* Spleen	Lymph Follic	Depletion Cellular	Moderate
	Red Pulp	Hematopoietic Cell Proliferation	Moderate
		Pigmentation	Moderate
* Thymus		Necrosis	Marked

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<b>PRIMARY CAUSE OF DEATH</b>	- UNCERTAIN
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\* PROTOCOL REQUIRED TISSUE

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Methylene blue trihydrate  
**CAS Number:** 7220-79-3

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 08:55:42  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 38

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 7

**DOSE:** 0.5 G/KG

**DISP:** Natural Death

**HISTO:** 9206578

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Brain	* Epididymis	* Esophagus	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Kidney	* Lymph Node, Mandibular	* Nose	* Pancreas
* Pituitary Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thyroid Gland	* Trachea	

**MISSING**

* Mammary Gland	* Parathyroid Gland
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**OBSERVATIONS**

* Bone Marrow		Pigmentation	Marked
* Liver	Kupffer Cell	Pigmentation	Marked
* Lung	Mediastinum	Foreign Body	
	Mediastinum	Inflammation	Suppurative, Moderate
* Lymph Node, Mesenteric		Necrosis	Mild
* Spleen	Lymph Follic	Depletion Cellular	Mild
	Red Pulp	Hematopoietic Cell Proliferation	Moderate
		Pigmentation	Moderate
* Thymus		Necrosis	Marked
* Urinary Bladder	Transit Epithe	Degeneration	Minimal
	Transit Epithe	Pigmentation	Mild

**PRIMARY CAUSE OF DEATH** - Lung Mediastinum Foreign Body

\* PROTOCOL REQUIRED TISSUE



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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Methylene blue trihydrate  
**CAS Number:** 7220-79-3

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 08:55:42  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 39

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 9

**DOSE:** 0.5 G/KG

**DISP:** Natural Death

**HISTO:** 9206579

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Brain	* Epididymis	* Esophagus	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Kidney	* Lung	* Lymph Node, Mandibular	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Glandular	* Testes	* Thyroid Gland	* Trachea

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

* Bone Marrow		Pigmentation	Marked
* Liver		Hematopoietic Cell Proliferation	Mild
	Kupffer Cell	Pigmentation	Moderate
* Lymph Node, Mesenteric		Necrosis	Mild
* Spleen	Lymph Follic	Depletion Cellular	Marked
	Red Pulp	Hematopoietic Cell Proliferation	Marked
		Pigmentation	Moderate
	[ Hematopoietic Cell Proliferation TGLS = 1-3 ]		
* Stomach, Forestomach		Hyperplasia	Squamous, Focal, Moderate
		Inflammation	Chronic Active, Mild
		Ulcer	Focal, Moderate
	Note: multiple, some ulcerated		
	[ Hyperplasia TGLS = 2-8 ]		
* Thymus		Necrosis	Marked
* Urinary Bladder	Muscularis	Degeneration	Moderate
	Transit Epithe	Degeneration	Minimal
	Transit Epithe	Pigmentation	Moderate

**PRIMARY CAUSE OF DEATH**

- UNCERTAIN

\* PROTOCOL REQUIRED TISSUE

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Methylene blue trihydrate  
**CAS Number:** 7220-79-3

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 08:55:42  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 40

**TRT#:** 7  
**DOSE:** 0.5 G/KG

**SEX:** Male  
**DISP:** Natural Death

**DAY ON TEST:** 9  
**HISTO:** 9206580

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Brain	* Epididymis	* Esophagus	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Kidney	* Lung	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thyroid Gland	* Trachea

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

* Bone Marrow		Pigmentation	Mild
* Liver		Hematopoietic Cell Proliferation	Minimal
		Necrosis	Focal, Minimal
	Kupffer Cell	Pigmentation	Moderate
* Lymph Node, Mandibular		Necrosis	Minimal
* Lymph Node, Mesenteric		Necrosis	Mild
* Spleen	Lymph Follic	Depletion Cellular	Marked
	Red Pulp	Hematopoietic Cell Proliferation	Marked
		Pigmentation	Marked
	[ Hematopoietic Cell Proliferation TGLS = 1-3 ]		
* Thymus		Necrosis	Marked
* Urinary Bladder	Muscularis	Degeneration	Moderate
	Transit Epithe	Degeneration	Minimal
	Transit Epithe	Pigmentation	Mild

**PRIMARY CAUSE OF DEATH**

- UNCERTAIN

\* PROTOCOL REQUIRED TISSUE

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Methylene blue trihydrate  
**CAS Number:** 7220-79-3

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 08:55:42  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 41

**TRT#:** 9

**SEX:** Male

**DAY ON TEST:** 5

**DOSE:** 1.0 G/KG

**DISP:** Moribund Sacrifice

**HISTO:** 9206551

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Brain	* Epididymis	* Esophagus	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Kidney	* Lung	* Nose	* Pancreas
* Parathyroid Gland	Peripheral Nerve	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
Spinal Cord	* Stomach, Glandular	* Thyroid Gland	* Trachea

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

* Bone Marrow		Pigmentation	Moderate
* Liver		Necrosis	Minimal
	Kupffer Cell	Pigmentation	Mild
* Lymph Node, Mandibular		Necrosis	Mild
* Lymph Node, Mesenteric		Necrosis	Mild
* Spleen	Lymph Follic	Depletion Cellular	Moderate
	Red Pulp	Hematopoietic Cell Proliferation	Mild
		Pigmentation	Moderate
* Stomach, Forestomach		Ulcer	Focal, Mild
* Testes	Germinal Epith	Degeneration	Minimal
* Thymus		Necrosis	Marked
* Urinary Bladder	Transit Epithe	Degeneration	Minimal

**PRIMARY CAUSE OF DEATH**

- UNCERTAIN

\* PROTOCOL REQUIRED TISSUE

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Methylene blue trihydrate  
**CAS Number:** 7220-79-3

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 08:55:42  
**First Dose M/F:** NA / NA  
**Lab:** BAT

<b>ANIMAL ID:</b> 42	<b>TRT#:</b> 9	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 5
	<b>DOSE:</b> 1.0 G/KG	<b>DISP:</b> Moribund Sacrifice	<b>HISTO:</b> 9206552

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Brain	* Epididymis	* Esophagus	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Nose	* Pancreas
* Parathyroid Gland	Peripheral Nerve	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
Spinal Cord	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea			

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

* Bone Marrow		Pigmentation	Moderate
* Kidney	Renal Tubule	Casts Protein	Mild
	Renal Tubule	Necrosis	Mild
	Renal Tubule	Pigmentation	Mild
* Liver		Necrosis	Minimal
	Kupffer Cell	Pigmentation	Mild
	Periportal	Pigmentation	Mild
* Lymph Node, Mesenteric		Necrosis	Minimal
* Spleen		Congestion	Moderate
	Lymph Follic	Depletion Cellular	Moderate
		Pigmentation	Moderate
* Testes	Germinal Epith	Degeneration	Mild
* Thymus		Necrosis	Marked
* Urinary Bladder	Transit Epithe	Degeneration	Minimal

**PRIMARY CAUSE OF DEATH** - UNCERTAIN

\* PROTOCOL REQUIRED TISSUE

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Methylene blue trihydrate  
**CAS Number:** 7220-79-3

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 08:55:42  
**First Dose M/F:** NA / NA  
**Lab:** BAT

<b>ANIMAL ID:</b> 43	<b>TRT#:</b> 9 <b>DOSE:</b> 1.0 G/KG	<b>SEX:</b> Male <b>DISP:</b> Natural Death	<b>DAY ON TEST:</b> 3 <b>HISTO:</b> 9206553
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**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Brain	* Epididymis	* Esophagus	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Kidney	* Lung	* Lymph Node, Mandibular	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Glandular	* Testes	* Thyroid Gland	* Trachea

**MISSING**

* Mammary Gland	* Thymus
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**OBSERVATIONS**

* Bone Marrow		Pigmentation	Moderate
* Liver	Kupffer Cell	Pigmentation	Minimal
* Lymph Node, Mesenteric		Necrosis	Minimal
* Spleen		Congestion	Mild
	Lymph Follic	Depletion Cellular	Mild
	Red Pulp	Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Marked
* Stomach, Forestomach		Ulcer	Focal, Minimal
Note: multiple, some ulcerated [ Ulcer TGLS = 1-8 ]			
* Urinary Bladder	Transit Epithe	Degeneration	Minimal
	Transit Epithe	Pigmentation	Minimal

<b>PRIMARY CAUSE OF DEATH</b>	- UNCERTAIN
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\* PROTOCOL REQUIRED TISSUE

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Methylene blue trihydrate  
**CAS Number:** 7220-79-3

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 08:55:42  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 44	<b>TRT#:</b> 9	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 3
	<b>DOSE:</b> 1.0 G/KG	<b>DISP:</b> Natural Death	<b>HISTO:</b> 9206554

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Brain	* Epididymis	* Esophagus	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Kidney	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thymus	* Thyroid Gland	* Trachea	

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**MISSING**

\* Mammary Gland

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**OBSERVATIONS**

* Bone Marrow		Pigmentation	Moderate
* Liver	Kupffer Cell	Pigmentation	Mild
* Spleen		Congestion	Mild
	Lymph Follic	Depletion Cellular	Minimal
		Pigmentation	Moderate
* Urinary Bladder	Transit Epithe	Degeneration	Minimal

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**PRIMARY CAUSE OF DEATH** - UNCERTAIN

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\* PROTOCOL REQUIRED TISSUE

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Methylene blue trihydrate  
**CAS Number:** 7220-79-3

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 08:55:42  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 45

**TRT#:** 9

**SEX:** Male

**DAY ON TEST:** 6

**DOSE:** 1.0 G/KG

**DISP:** Natural Death

**HISTO:** 9206555

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Brain	* Epididymis	* Esophagus	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Glandular	* Testes
* Thyroid Gland	* Trachea		

**MISSING**

* Lymph Node, Mandibular	* Mammary Gland
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**OBSERVATIONS**

* Bone Marrow		Pigmentation	Moderate
* Kidney	Renal Tubule	Casts Protein	Minimal
	Renal Tubule	Necrosis	Mild
	Renal Tubule	Pigmentation	Mild
* Liver		Necrosis	Minimal
	Kupffer Cell	Pigmentation	Marked
* Lymph Node, Mesenteric		Necrosis	Mild
* Spleen	Lymph Follic	Depletion Cellular	Moderate
	Red Pulp	Hematopoietic Cell Proliferation	Mild
		Pigmentation	Marked
* Stomach, Forestomach		Ulcer	Focal, Moderate
* Thymus		Necrosis	Marked
* Urinary Bladder	Transit Epithe	Degeneration	Minimal
	Transit Epithe	Pigmentation	Moderate

**PRIMARY CAUSE OF DEATH**

- UNCERTAIN

\* PROTOCOL REQUIRED TISSUE

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Methylene blue trihydrate  
**CAS Number:** 7220-79-3

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 08:55:42  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 46

**TRT#:** 9

**SEX:** Male

**DAY ON TEST:** 7

**DOSE:** 1.0 G/KG

**DISP:** Natural Death

**HISTO:** 9206556

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Brain	* Epididymis	* Esophagus	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Kidney	* Lung	* Nose	* Pancreas
* Pituitary Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thyroid Gland	* Trachea	

**MISSING**

* Mammary Gland	* Parathyroid Gland
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**OBSERVATIONS**

* Bone Marrow		Pigmentation	Marked
* Liver		Hematopoietic Cell Proliferation	Minimal
		Necrosis	Minimal
	Kupffer Cell	Pigmentation	Marked
* Lymph Node, Mandibular		Necrosis	Minimal
* Lymph Node, Mesenteric		Necrosis	Minimal
* Spleen	Lymph Follicle	Depletion Cellular	Marked
	Red Pulp	Hematopoietic Cell Proliferation	Marked
		Pigmentation	Moderate
* Thymus		Necrosis	Marked
* Urinary Bladder	Transit Epithelium	Degeneration	Mild
	Transit Epithelium	Pigmentation	Marked

**PRIMARY CAUSE OF DEATH**

- UNCERTAIN

\* PROTOCOL REQUIRED TISSUE



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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Methylene blue trihydrate  
**CAS Number:** 7220-79-3

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 08:55:42  
**First Dose M/F:** NA / NA  
**Lab:** BAT

<b>ANIMAL ID:</b> 47	<b>TRT#:</b> 9 <b>DOSE:</b> 1.0 G/KG	<b>SEX:</b> Male <b>DISP:</b> Moribund Sacrifice	<b>DAY ON TEST:</b> 4 <b>HISTO:</b> 9206557
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**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Brain	* Epididymis	* Esophagus	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Nose	* Pancreas
* Parathyroid Gland	Peripheral Nerve	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
Spinal Cord	* Stomach, Glandular	* Thyroid Gland	* Trachea

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

* Bone Marrow		Pigmentation	Mild
* Kidney	Renal Tubule	Casts Protein	Minimal
	Renal Tubule	Pigmentation	Minimal
* Liver	Periportal	Degeneration	Mild
	Kupffer Cell	Pigmentation	Mild
* Lymph Node, Mesenteric		Necrosis	Mild
* Spleen		Congestion	Minimal
	Lymph Follic	Depletion Cellular	Mild
		Pigmentation	Moderate
* Stomach, Forestomach		Hyperplasia	Squamous, Focal, Mild
		Inflammation	Focal, Minimal
Note: multiple [ Hyperplasia TGLS = 1-12 ]			
* Testes	Germinal Epith	Degeneration	Minimal
* Thymus		Necrosis	Marked
* Urinary Bladder	Transit Epithe	Degeneration	Minimal

**PRIMARY CAUSE OF DEATH** - UNCERTAIN

\* PROTOCOL REQUIRED TISSUE

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Methylene blue trihydrate  
**CAS Number:** 7220-79-3

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 08:55:42  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 48                      **TRT#:** 9                      **SEX:** Male                      **DAY ON TEST:** 5  
**DOSE:** 1.0 G/KG                      **DISP:** Natural Death                      **HISTO:** 9206558

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Brain	* Epididymis	* Esophagus	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Glandular	* Testes
* Thyroid Gland	* Trachea		

**MISSING**

\* Mammary Gland

**AUTO PRECLUDES DIAG.**

\* Lymph Node, Mesenteric                      \* Urinary Bladder

**OBSERVATIONS**

* Bone Marrow		Pigmentation	Mild
* Kidney	Renal Tubule	Casts Protein	Minimal
	Renal Tubule	Degeneration	Minimal
	Renal Tubule	Pigmentation	Minimal
* Liver	Kupffer Cell	Pigmentation	Mild
* Lymph Node, Mandibular		Necrosis	Mild
* Spleen	Lymph Follic	Depletion Cellular	Moderate
	Red Pulp	Hematopoietic Cell Proliferation	Mild
		Pigmentation	Marked
* Stomach, Forestomach		Ulcer	Focal, Moderate
* Thymus		Necrosis	Moderate

**PRIMARY CAUSE OF DEATH**                      - UNCERTAIN

\* PROTOCOL REQUIRED TISSUE

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Methylene blue trihydrate  
**CAS Number:** 7220-79-3

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 08:55:42  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 49	<b>TRT#:</b> 9	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 4
	<b>DOSE:</b> 1.0 G/KG	<b>DISP:</b> Natural Death	<b>HISTO:</b> 9206559

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Brain	* Epididymis	* Esophagus	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mesenteric	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Testes
* Thyroid Gland	* Trachea		

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**MISSING**

* Lymph Node, Mandibular	* Mammary Gland
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**AUTO PRECLUDES DIAG.**

* Kidney	* Stomach, Glandular	* Urinary Bladder
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**OBSERVATIONS**

* Bone Marrow		Pigmentation	Mild
* Liver	Periportal Kupffer Cell	Degeneration Pigmentation	Minimal Mild
* Spleen		Congestion	Mild
* Stomach, Forestomach	Lymph Follic	Depletion Cellular	Mild
Note: ulcerated		Ulcer	Focal, Moderate
* Thymus		Necrosis	Moderate

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<b>PRIMARY CAUSE OF DEATH</b>	- UNCERTAIN
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\* PROTOCOL REQUIRED TISSUE

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Methylene blue trihydrate  
**CAS Number:** 7220-79-3

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 08:55:42  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 50

**TRT#:** 9

**SEX:** Male

**DAY ON TEST:** 5

**DOSE:** 1.0 G/KG

**DISP:** Moribund Sacrifice

**HISTO:** 9206560

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Brain	* Epididymis	* Esophagus	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Nose	* Pancreas	Peripheral Nerve
* Pituitary Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	Spinal Cord	* Stomach, Glandular
* Thyroid Gland	* Trachea		

**MISSING**

* Mammary Gland	* Parathyroid Gland
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**OBSERVATIONS**

* Bone Marrow		Pigmentation	Moderate
* Kidney	Renal Tubule	Casts Protein	Minimal
	Renal Tubule	Pigmentation	Mild
* Liver	Periportal	Degeneration	Mild
	Kupffer Cell	Pigmentation	Moderate
	Periportal	Pigmentation	Minimal
* Lymph Node, Mandibular		Necrosis	Mild
* Lymph Node, Mesenteric		Necrosis	Mild
* Spleen		Congestion	Minimal
	Lymph Follic	Depletion Cellular	Moderate
		Pigmentation	Marked
* Stomach, Forestomach		Ulcer	Focal, Moderate
* Testes	Germinal Epith	Degeneration	Minimal
* Thymus		Necrosis	Marked
* Urinary Bladder	Transit Epithe	Degeneration	Minimal

**PRIMARY CAUSE OF DEATH**

- UNCERTAIN

\* PROTOCOL REQUIRED TISSUE

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Methylene blue trihydrate  
**CAS Number:** 7220-79-3

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 08:55:42  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 51	<b>TRT#:</b> 11	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 2
	<b>DOSE:</b> 2.0 G/KG	<b>DISP:</b> Natural Death	<b>HISTO:</b> 9206531

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Gallbladder	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Lung	* Lymph Node, Mesenteric
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thyroid Gland	* Trachea		

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**MISSING**

* Lymph Node, Mandibular	* Mammary Gland
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**OBSERVATIONS**

* Liver	Kupffer Cell	Erythrophagocytosis	Marked
* Spleen	Lymph Follic	Depletion Cellular	Mild
	Capsule	Fibrosis	Minimal
	Red Pulp	Hematopoietic Cell Proliferation	Mild
		Pigmentation	Mild
* Thymus		Necrosis	Minimal
* Urinary Bladder	Transit Epithe	Degeneration	Minimal
	Transit Epithe	Pigmentation	Moderate

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<b>PRIMARY CAUSE OF DEATH</b>	- UNCERTAIN
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\* PROTOCOL REQUIRED TISSUE

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Methylene blue trihydrate  
**CAS Number:** 7220-79-3

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 08:55:42  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 52	<b>TRT#:</b> 11	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 3
	<b>DOSE:</b> 2.0 G/KG	<b>DISP:</b> Natural Death	<b>HISTO:</b> 9206532

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Brain	* Epididymis	* Esophagus	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Kidney	* Lung	* Nose	* Pancreas
* Pituitary Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thyroid Gland	* Trachea	

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**MISSING**

* Lymph Node, Mandibular	* Mammary Gland	* Parathyroid Gland
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**OBSERVATIONS**

* Bone Marrow		Pigmentation	Moderate
* Liver		Necrosis	Marked
	Kupffer Cell	Pigmentation	Minimal
* Lymph Node, Mesenteric		Necrosis	Moderate
* Spleen	Lymph Follicle	Depletion Cellular	Mild
	Red Pulp	Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Marked
* Thymus		Necrosis	Marked
* Urinary Bladder	Transit Epithelium	Degeneration	Minimal
	Transit Epithelium	Pigmentation	Moderate

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**PRIMARY CAUSE OF DEATH** - UNCERTAIN

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Animal Note: possible dosing accident, lungs appear normal on micro

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\* PROTOCOL REQUIRED TISSUE

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Methylene blue trihydrate  
**CAS Number:** 7220-79-3

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 08:55:42  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 53

**TRT#:** 11  
**DOSE:** 2.0 G/KG

**SEX:** Male  
**DISP:** Natural Death

**DAY ON TEST:** 3  
**HISTO:** 9206533

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Brain	* Epididymis	* Esophagus	Eye
* Gallbladder	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Nose	* Pancreas
* Pituitary Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thyroid Gland	* Trachea	

**MISSING**

* Mammary Gland	* Parathyroid Gland
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**OBSERVATIONS**

* Bone Marrow		Pigmentation	Moderate
* Kidney	Renal Tubule	Casts Protein	Mild
	Renal Tubule	Degeneration	Minimal
	Renal Tubule	Pigmentation	Mild
* Liver		Necrosis	Moderate
	Kupffer Cell	Pigmentation	Mild
* Lymph Node, Mandibular		Necrosis	Mild
* Lymph Node, Mesenteric		Necrosis	Moderate
* Spleen	Lymph Follic	Depletion Cellular	Moderate
		Pigmentation	Marked
* Thymus		Necrosis	Moderate
* Urinary Bladder	Transit Epithe	Degeneration	Minimal
	Transit Epithe	Pigmentation	Moderate

**PRIMARY CAUSE OF DEATH** - UNCERTAIN

Animal Note: posible dosing accident, lungs normal on micro

\* PROTOCOL REQUIRED TISSUE

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Methylene blue trihydrate  
**CAS Number:** 7220-79-3

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 08:55:42  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 54	<b>TRT#:</b> 11	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 2
	<b>DOSE:</b> 2.0 G/KG	<b>DISP:</b> Natural Death	<b>HISTO:</b> 9206534

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
Eye	* Gallbladder	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Lung
* Lymph Node, Mandibular	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thymus	* Thyroid Gland	* Trachea

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**MISSING**

\* Mammary Gland

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**OBSERVATIONS**

* Liver	Periportal Kupffer Cell	Degeneration Pigmentation	Mild Moderate
* Lymph Node, Mesenteric		Necrosis	Mild
* Spleen		Congestion	Mild
	Lymph Follic	Depletion Cellular	Mild
		Pigmentation	Mild
* Urinary Bladder	Transit Epithe Transit Epithe	Degeneration Pigmentation	Minimal Moderate

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**PRIMARY CAUSE OF DEATH** - UNCERTAIN

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\* PROTOCOL REQUIRED TISSUE



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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Methylene blue trihydrate  
**CAS Number:** 7220-79-3

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 08:55:42  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 55	<b>TRT#:</b> 11	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 3
	<b>DOSE:</b> 2.0 G/KG	<b>DISP:</b> Natural Death	<b>HISTO:</b> 9206535

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Adrenal Cortex	* Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Kidney	* Lung	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thyroid Gland	* Trachea
* Urinary Bladder			

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**MISSING**

* Adrenal Medulla	* Mammary Gland
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**OBSERVATIONS**

* Liver	Kupffer Cell	Pigmentation	Mild
* Lymph Node, Mandibular		Necrosis	Minimal
* Lymph Node, Mesenteric		Necrosis	Moderate
* Spleen		Congestion	Mild
	Lymph Follic	Depletion Cellular	Mild
		Pigmentation	Mild
* Thymus		Necrosis	Minimal

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**PRIMARY CAUSE OF DEATH** - UNCERTAIN

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\* PROTOCOL REQUIRED TISSUE

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Methylene blue trihydrate  
**CAS Number:** 7220-79-3

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 08:55:42  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 56

**TRT#:** 11  
**DOSE:** 2.0 G/KG

**SEX:** Male  
**DISP:** Natural Death

**DAY ON TEST:** 3  
**HISTO:** 9206536

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Brain	* Epididymis	* Esophagus	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Kidney	* Lung	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thyroid Gland	* Trachea

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

* Bone Marrow		Pigmentation	Moderate
* Liver	Kupffer Cell	Pigmentation	Mild
* Lymph Node, Mandibular		Necrosis	Minimal
* Lymph Node, Mesenteric		Necrosis	Mild
* Spleen		Congestion	Mild
	Lymph Follic	Depletion Cellular	Mild
		Pigmentation	Moderate
* Thymus		Necrosis	Minimal
* Urinary Bladder	Transit Epithe	Degeneration	Minimal

**PRIMARY CAUSE OF DEATH**

- UNCERTAIN

\* PROTOCOL REQUIRED TISSUE

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Methylene blue trihydrate  
**CAS Number:** 7220-79-3

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 08:55:42  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 57

**TRT#:** 11  
**DOSE:** 2.0 G/KG

**SEX:** Male  
**DISP:** Natural Death

**DAY ON TEST:** 4  
**HISTO:** 9206537

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Brain	* Epididymis	* Esophagus	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Nose	* Pancreas	* Pituitary Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thyroid Gland	* Trachea		

**MISSING**

* Mammary Gland	* Parathyroid Gland
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**OBSERVATIONS**

* Bone Marrow		Pigmentation	Moderate
* Kidney	Renal Tubule	Casts Protein	Minimal
	Renal Tubule	Necrosis	Mild
	Renal Tubule	Pigmentation	Mild
* Liver	Kupffer Cell	Pigmentation	Moderate
* Lymph Node, Mandibular		Necrosis	Mild
* Lymph Node, Mesenteric		Necrosis	Mild
* Spleen		Congestion	Mild
	Lymph Follic	Depletion Cellular	Mild
		Pigmentation	Moderate
* Thymus		Necrosis	Moderate
* Urinary Bladder	Muscularis	Degeneration	Mild
	Transit Epithe	Degeneration	Minimal
	Transit Epithe	Pigmentation	Moderate

**PRIMARY CAUSE OF DEATH**

- UNCERTAIN

\* PROTOCOL REQUIRED TISSUE

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Methylene blue trihydrate  
**CAS Number:** 7220-79-3

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 08:55:42  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 58                      **TRT#:** 11                      **SEX:** Male                      **DAY ON TEST:** 3  
**DOSE:** 2.0 G/KG                      **DISP:** Moribund Sacrifice                      **HISTO:** 9206538

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Brain	* Epididymis	* Esophagus	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thyroid Gland	* Trachea

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

* Bone Marrow		Pigmentation	Moderate
* Kidney	Renal Tubule	Casts Protein	Mild
	Renal Tubule	Necrosis	Mild
	Renal Tubule	Pigmentation	Mild
* Liver		Necrosis	Mild
	Kupffer Cell	Pigmentation	Mild
* Lymph Node, Mesenteric		Necrosis	Minimal
* Spleen	Lymph Follic	Depletion Cellular	Mild
	Red Pulp	Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Moderate
* Thymus		Necrosis	Marked
* Urinary Bladder	Transit Epithe	Degeneration	Minimal
	Transit Epithe	Pigmentation	Mild

**PRIMARY CAUSE OF DEATH**                      - UNCERTAIN

Animal Note: the COD may be due to a dosing accident, but it is not apparent on the micro. the lungs were not filled properly with fixative.

\* PROTOCOL REQUIRED TISSUE

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Methylene blue trihydrate  
**CAS Number:** 7220-79-3

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 08:55:42  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 59	<b>TRT#:</b> 11	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 3
	<b>DOSE:</b> 2.0 G/KG	<b>DISP:</b> Natural Death	<b>HISTO:</b> 9206539

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Brain	* Epididymis	* Esophagus	Eye
* Gallbladder	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Pancreas	* Pituitary Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thyroid Gland	* Trachea		

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**MISSING**

* Mammary Gland	* Parathyroid Gland
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**OBSERVATIONS**

* Bone Marrow		Pigmentation	Marked
* Liver	Kupffer Cell	Pigmentation	Moderate
* Spleen	Lymph Follic	Depletion Cellular	Mild
	Red Pulp	Hematopoietic Cell Proliferation	Mild
		Pigmentation	Moderate
* Thymus		Necrosis	Moderate
* Urinary Bladder	Transit Epithe	Degeneration	Minimal
	Transit Epithe	Pigmentation	Minimal

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**PRIMARY CAUSE OF DEATH** - UNCERTAIN

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Animal Note: COD possible dosing accident, but not apparent on micro

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\* PROTOCOL REQUIRED TISSUE

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Methylene blue trihydrate  
**CAS Number:** 7220-79-3

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 08:55:42  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 60	<b>TRT#:</b> 11	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 2
	<b>DOSE:</b> 2.0 G/KG	<b>DISP:</b> Natural Death	<b>HISTO:</b> 9206540

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Brain	* Epididymis	* Esophagus	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Kidney	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thymus
* Thyroid Gland	* Trachea		

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**MISSING**

\* Mammary Gland

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**OBSERVATIONS**

* Bone Marrow		Pigmentation	Moderate
* Liver	Kupffer Cell	Pigmentation	Mild
* Lung	Mediastinum	Foreign Body	
* Spleen	Lymph Follic	Depletion Cellular	Mild
	Red Pulp	Hematopoietic Cell Proliferation	Mild
		Pigmentation	Moderate
* Urinary Bladder	Transit Epithe	Degeneration	Minimal

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**PRIMARY CAUSE OF DEATH** - Lung Mediastinum Foreign Body

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\* PROTOCOL REQUIRED TISSUE

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Methylene blue trihydrate  
**CAS Number:** 7220-79-3

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 08:55:42  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 61

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:** 30

**DOSE:** 0 G/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9206521

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Gallbladder	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Liver	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Methylene blue trihydrate  
**CAS Number:** 7220-79-3

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 08:55:42  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 62

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:** 30

**DOSE:** 0 G/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9206522

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Gallbladder	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Liver	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Uterus			

**MISSING**

\* Urinary Bladder

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE



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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Methylene blue trihydrate  
**CAS Number:** 7220-79-3

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 08:55:42  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 63

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:** 30

**DOSE:** 0 G/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9206523

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Gallbladder	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Liver	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Ovary	* Pancreas	* Pituitary Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

**MISSING**

\* Parathyroid Gland

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Methylene blue trihydrate  
**CAS Number:** 7220-79-3

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 08:55:42  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 64

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:** 30

**DOSE:** 0 G/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9206524

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Gallbladder	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

**OBSERVATIONS**

* Liver	Hematopoietic Cell Proliferation	Minimal
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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Methylene blue trihydrate  
**CAS Number:** 7220-79-3

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 08:55:42  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 65

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:** 30

**DOSE:** 0 G/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9206525

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Gallbladder	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Liver	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Methylene blue trihydrate  
**CAS Number:** 7220-79-3

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 08:55:42  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 66

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:** 30

**DOSE:** 0 G/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9206526

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

\* Adrenal Cortex  
\* Bone Marrow  
\* Gallbladder  
\* Intestine Large, Rectum  
\* Islets, Pancreatic  
\* Lymph Node, Mandibular  
\* Ovary  
\* Skin  
\* Thymus  
\* Uterus

\* Adrenal Medulla  
\* Brain  
\* Heart  
\* Intestine Small, Duodenum  
\* Kidney  
\* Lymph Node, Mesenteric  
\* Pancreas  
\* Spleen  
\* Thyroid Gland

\* Blood Vessel  
\* Clitoral Gland  
\* Intestine Large, Cecum  
\* Intestine Small, Ileum  
\* Liver  
\* Mammary Gland  
\* Parathyroid Gland  
\* Stomach, Forestomach  
\* Trachea

\* Bone  
\* Esophagus  
\* Intestine Large, Colon  
\* Intestine Small, Jejunum  
\* Lung  
\* Nose  
\* Salivary Glands  
\* Stomach, Glandular  
\* Urinary Bladder

**MISSING**

\* Pituitary Gland

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Methylene blue trihydrate  
**CAS Number:** 7220-79-3

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 08:55:42  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 67

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:** 30

**DOSE:** 0 G/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9206527

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

\* Adrenal Cortex  
\* Bone Marrow  
\* Gallbladder  
\* Intestine Large, Rectum  
\* Islets, Pancreatic  
\* Lymph Node, Mesenteric  
\* Pancreas  
\* Skin  
\* Thymus  
\* Uterus

\* Adrenal Medulla  
\* Brain  
\* Heart  
\* Intestine Small, Duodenum  
\* Kidney  
\* Mammary Gland  
\* Parathyroid Gland  
\* Spleen  
\* Thyroid Gland

\* Blood Vessel  
\* Clitoral Gland  
\* Intestine Large, Cecum  
\* Intestine Small, Ileum  
\* Lung  
\* Nose  
\* Pituitary Gland  
\* Stomach, Forestomach  
\* Trachea

\* Bone  
\* Esophagus  
\* Intestine Large, Colon  
\* Intestine Small, Jejunum  
\* Lymph Node, Mandibular  
\* Ovary  
\* Salivary Glands  
\* Stomach, Glandular  
\* Urinary Bladder

**OBSERVATIONS**

\* Liver Hematopoietic Cell Proliferation

Minimal

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Methylene blue trihydrate  
**CAS Number:** 7220-79-3

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 08:55:42  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 68

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:** 30

**DOSE:** 0 G/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9206528

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Gallbladder	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Liver	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Methylene blue trihydrate  
**CAS Number:** 7220-79-3

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 08:55:42  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 69

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:** 30

**DOSE:** 0 G/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9206529

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Gallbladder	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Liver	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Methylene blue trihydrate  
**CAS Number:** 7220-79-3

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 08:55:42  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 70

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:** 30

**DOSE:** 0 G/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9206530

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Gallbladder	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Liver	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE



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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Methylene blue trihydrate  
**CAS Number:** 7220-79-3

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 08:55:42  
**First Dose M/F:** NA / NA  
**Lab:** BAT

---

<b>ANIMAL ID:</b> 71	<b>TRT#:</b> 4	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 30
	<b>DOSE:</b> 0.125 G/KG	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 9206621

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

* Heart	* Kidney	* Lymph Node, Mandibular	* Stomach, Forestomach
* Urinary Bladder			

---

**OBSERVATIONS**

* Bone Marrow		Pigmentation	Mild
* Liver	Periportal	Degeneration	Mild
		Hematopoietic Cell Proliferation	Minimal
	Kupffer Cell	Pigmentation	Mild
* Lymph Node, Mesenteric		Necrosis	Mild
* Spleen	Lymph Follic	Depletion Cellular	Mild
	Red Pulp	Hematopoietic Cell Proliferation	Moderate
		Pigmentation	Mild
	[ Hematopoietic Cell Proliferation TGLS = 1-3 ]		
* Thymus		Necrosis	Minimal

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**PRIMARY CAUSE OF DEATH** -

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\* PROTOCOL REQUIRED TISSUE

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Methylene blue trihydrate  
**CAS Number:** 7220-79-3

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 08:55:42  
**First Dose M/F:** NA / NA  
**Lab:** BAT

---

<b>ANIMAL ID:</b> 72	<b>TRT#:</b> 4	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 30
	<b>DOSE:</b> 0.125 G/KG	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 9206622

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

* Heart	* Kidney	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Stomach, Forestomach	* Urinary Bladder		

---

**OBSERVATIONS**

* Bone Marrow		Pigmentation	Mild
* Liver		Hematopoietic Cell Proliferation	Minimal
	Kupffer Cell	Pigmentation	Mild
* Spleen	Lymph Follic	Depletion Cellular	Mild
	Red Pulp	Hematopoietic Cell Proliferation	Moderate
		Pigmentation	Mild
	[ Hematopoietic Cell Proliferation TGLS = 1-3 ]		
* Thymus		Necrosis	Minimal

---

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Methylene blue trihydrate  
**CAS Number:** 7220-79-3

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 08:55:42  
**First Dose M/F:** NA / NA  
**Lab:** BAT

---

<b>ANIMAL ID:</b> 73	<b>TRT#:</b> 4	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 30
	<b>DOSE:</b> 0.125 G/KG	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 9206623

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

* Heart	* Kidney	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Stomach, Forestomach	* Urinary Bladder		

---

**OBSERVATIONS**

* Bone Marrow		Pigmentation	Mild
* Liver	Kupffer Cell	Pigmentation	Minimal
* Spleen	Lymph Follic	Depletion Cellular	Mild
	Red Pulp	Hematopoietic Cell Proliferation	Moderate
		Pigmentation	Mild
[ Hematopoietic Cell Proliferation TGLS = 1-3 ]			
* Thymus		Necrosis	Minimal

---

PRIMARY CAUSE OF DEATH -

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\* PROTOCOL REQUIRED TISSUE

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Methylene blue trihydrate  
**CAS Number:** 7220-79-3

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 08:55:42  
**First Dose M/F:** NA / NA  
**Lab:** BAT

---

<b>ANIMAL ID:</b> 74	<b>TRT#:</b> 4	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 30
	<b>DOSE:</b> 0.125 G/KG	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 9206624

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Bone Marrow	* Heart	* Lymph Node, Mandibular	* Stomach, Forestomach
* Thymus			

---

**OBSERVATIONS**

* Kidney		Infiltration Cellular	Lymphocyte, Moderate
* Liver		Hematopoietic Cell Proliferation	Minimal
	Kupffer Cell	Pigmentation	Minimal
* Lymph Node, Mesenteric		Necrosis	Mild
* Ovary	Periovarn Tiss	Cyst	Moderate
[ Cyst TGLS = 2-6 ]			
* Spleen	Lymph Follic	Depletion Cellular	Mild
	Red Pulp	Hematopoietic Cell Proliferation	Moderate
		Pigmentation	Mild
[ Hematopoietic Cell Proliferation TGLS = 1-3 ]			
* Urinary Bladder		Infiltration Cellular	Lymphocyte, Diffuse, Moderate

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Methylene blue trihydrate  
**CAS Number:** 7220-79-3

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 08:55:42  
**First Dose M/F:** NA / NA  
**Lab:** BAT

---

<b>ANIMAL ID:</b> 75	<b>TRT#:</b> 4	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 30
	<b>DOSE:</b> 0.125 G/KG	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 9206625

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Heart	* Kidney	* Stomach, Forestomach	* Urinary Bladder
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**OBSERVATIONS**

* Bone Marrow		Pigmentation	Mild
* Liver	Periportal Kupffer Cell	Degeneration Pigmentation	Minimal Mild
* Lymph Node, Mandibular		Necrosis	Minimal
* Lymph Node, Mesenteric		Necrosis	Mild
* Spleen	Lymph Follic Red Pulp	Depletion Cellular Hematopoietic Cell Proliferation Pigmentation	Mild Moderate Moderate
	[ Hematopoietic Cell Proliferation TGLS = 1-3 ]		
* Thymus		Necrosis	Mild

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Methylene blue trihydrate  
**CAS Number:** 7220-79-3

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 08:55:42  
**First Dose M/F:** NA / NA  
**Lab:** BAT

---

<b>ANIMAL ID:</b> 76	<b>TRT#:</b> 4	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 30
	<b>DOSE:</b> 0.125 G/KG	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 9206626

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Heart	* Kidney	* Lymph Node, Mandibular	* Stomach, Forestomach
* Thymus	* Urinary Bladder		

---

**OBSERVATIONS**

* Bone Marrow		Pigmentation	Mild
* Liver	Periportal	Degeneration	Mild
	Kupffer Cell	Pigmentation	Minimal
* Lymph Node, Mesenteric		Necrosis	Mild
* Spleen	Lymph Follic	Depletion Cellular	Mild
	Red Pulp	Hematopoietic Cell Proliferation	Marked
		Pigmentation	Mild

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[ Hematopoietic Cell Proliferation TGLS = 1-3 ]

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PRIMARY CAUSE OF DEATH

-

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\* PROTOCOL REQUIRED TISSUE

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Methylene blue trihydrate  
**CAS Number:** 7220-79-3

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 08:55:42  
**First Dose M/F:** NA / NA  
**Lab:** BAT

---

<b>ANIMAL ID:</b> 77	<b>TRT#:</b> 4	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 30
	<b>DOSE:</b> 0.125 G/KG	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 9206627

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

* Heart	* Kidney	* Lymph Node, Mandibular	* Stomach, Forestomach
* Thymus	* Urinary Bladder		

---

**OBSERVATIONS**

* Bone Marrow		Pigmentation	Minimal
* Liver	Periportal	Degeneration	Minimal
		Hematopoietic Cell Proliferation	Minimal
	Kupffer Cell	Pigmentation	Minimal
* Lymph Node, Mesenteric		Necrosis	Minimal
* Spleen	Lymph Follic	Depletion Cellular	Mild
	Red Pulp	Hematopoietic Cell Proliferation	Moderate
		Pigmentation	Mild

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[ Hematopoietic Cell Proliferation TGLS = 1-3 ]

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PRIMARY CAUSE OF DEATH

-

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\* PROTOCOL REQUIRED TISSUE

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Methylene blue trihydrate  
**CAS Number:** 7220-79-3

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 08:55:42  
**First Dose M/F:** NA / NA  
**Lab:** BAT

---

<b>ANIMAL ID:</b> 78	<b>TRT#:</b> 4	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 30
	<b>DOSE:</b> 0.125 G/KG	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 9206628

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

* Heart	* Kidney	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Stomach, Forestomach	* Thymus	* Urinary Bladder	

---

**OBSERVATIONS**

* Bone Marrow		Pigmentation	Mild
* Liver		Hematopoietic Cell Proliferation	Minimal
	Kupffer Cell	Pigmentation	Mild
* Spleen	Lymph Follicle	Depletion Cellular	Mild
	Red Pulp	Hematopoietic Cell Proliferation	Moderate
		Pigmentation	Mild

---

[ Hematopoietic Cell Proliferation TGLS = 1-3 ]

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PRIMARY CAUSE OF DEATH

-

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\* PROTOCOL REQUIRED TISSUE



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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Methylene blue trihydrate  
**CAS Number:** 7220-79-3

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 08:55:42  
**First Dose M/F:** NA / NA  
**Lab:** BAT

---

<b>ANIMAL ID:</b> 79	<b>TRT#:</b> 4	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 30
	<b>DOSE:</b> 0.125 G/KG	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 9206629

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

* Heart	* Kidney	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Stomach, Forestomach	* Urinary Bladder		

---

**OBSERVATIONS**

* Bone Marrow		Pigmentation	Mild
* Liver	Periportal	Degeneration	Minimal
		Hematopoietic Cell Proliferation	Minimal
	Kupffer Cell	Pigmentation	Mild
* Spleen	Lymph Follic	Depletion Cellular	Mild
	Red Pulp	Hematopoietic Cell Proliferation	Moderate
		Pigmentation	Mild
	[ Hematopoietic Cell Proliferation TGLS = 1-3 ]		
* Thymus		Necrosis	Minimal

---

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Methylene blue trihydrate  
**CAS Number:** 7220-79-3

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 08:55:42  
**First Dose M/F:** NA / NA  
**Lab:** BAT

---

<b>ANIMAL ID:</b> 80	<b>TRT#:</b> 4	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 30
	<b>DOSE:</b> 0.125 G/KG	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 9206630

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

* Heart	* Kidney	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Urinary Bladder			

---

**OBSERVATIONS**

* Bone Marrow		Pigmentation	Minimal
* Liver	Periportal	Degeneration	Minimal
		Hematopoietic Cell Proliferation	Minimal
	Kupffer Cell	Pigmentation	Mild
* Spleen	Lymph Follic	Depletion Cellular	Mild
	Red Pulp	Hematopoietic Cell Proliferation	Moderate
		Pigmentation	Mild
	[ Hematopoietic Cell Proliferation TGLS = 1-3 ]		
* Stomach, Forestomach		Ulcer	Focal, Minimal
Note: ulcerated			
* Thymus		Necrosis	Minimal

---

PRIMARY CAUSE OF DEATH

---

\* PROTOCOL REQUIRED TISSUE

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Methylene blue trihydrate  
**CAS Number:** 7220-79-3

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 08:55:42  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 81

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 30

**DOSE:** 0.25 G/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9206601

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Brain	* Clitoral Gland	* Esophagus	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Kidney	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

**OBSERVATIONS**

* Bone Marrow		Pigmentation	Moderate
* Liver		Hematopoietic Cell Proliferation	Mild
	Kupffer Cell	Pigmentation	Marked
* Spleen	Lymph Follic	Depletion Cellular	Moderate
	Red Pulp	Hematopoietic Cell Proliferation	Marked
		Pigmentation	Mild

[ Hematopoietic Cell Proliferation TGLS = 1-3 ]

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Methylene blue trihydrate  
**CAS Number:** 7220-79-3

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 08:55:42  
**First Dose M/F:** NA / NA  
**Lab:** BAT

---

<b>ANIMAL ID:</b> 82	<b>TRT#:</b> 6	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 30
	<b>DOSE:</b> 0.25 G/KG	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 9206602

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Brain	* Clitoral Gland	* Esophagus	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Kidney	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Ovary	* Pancreas
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

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**MISSING**

\* Parathyroid Gland

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**OBSERVATIONS**

* Bone Marrow		Pigmentation	Moderate
* Liver		Hematopoietic Cell Proliferation	Mild
	Kupffer Cell	Pigmentation	Moderate
* Spleen	Lymph Follic	Depletion Cellular	Mild
	Red Pulp	Hematopoietic Cell Proliferation	Marked
		Pigmentation	Moderate
	[ Hematopoietic Cell Proliferation TGLS = 1-3 ]		
* Thymus		Necrosis	Mild

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Methylene blue trihydrate  
**CAS Number:** 7220-79-3

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 08:55:42  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 83	<b>TRT#:</b> 6	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 30
	<b>DOSE:</b> 0.25 G/KG	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 9206603

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Brain	* Clitoral Gland	* Esophagus	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Kidney	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Uterus			

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**OBSERVATIONS**

* Bone Marrow		Pigmentation	Moderate
* Liver		Hematopoietic Cell Proliferation	Mild
	Kupffer Cell	Pigmentation	Marked
* Spleen	Lymph Follic	Depletion Cellular	Moderate
	Red Pulp	Hematopoietic Cell Proliferation	Marked
		Pigmentation	Mild
	[ Hematopoietic Cell Proliferation TGLS = 1-3 ]		
* Thymus		Necrosis	Mild
* Urinary Bladder	Transit Epithe	Degeneration	Minimal
	Transit Epithe	Pigmentation	Minimal

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Methylene blue trihydrate  
**CAS Number:** 7220-79-3

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 08:55:42  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 84

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 16

**DOSE:** 0.25 G/KG

**DISP:** Moribund Sacrifice

**HISTO:** 9206604

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Brain	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	Peripheral Nerve
* Pituitary Gland	* Salivary Glands	* Skin	Spinal Cord
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

**MISSING**

* Clitoral Gland	* Gallbladder
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**OBSERVATIONS**

* Bone Marrow		Pigmentation	Mild
* Liver		Hematopoietic Cell Proliferation	Mild
	Kupffer Cell	Pigmentation	Moderate
* Spleen	Lymph Follic	Depletion Cellular	Moderate
	Red Pulp	Hematopoietic Cell Proliferation	Marked
		Pigmentation	Mild
	[ Hematopoietic Cell Proliferation TGLS = 1-3 ]		
* Thymus		Necrosis	Moderate

**PRIMARY CAUSE OF DEATH**

- UNCERTAIN

\* PROTOCOL REQUIRED TISSUE

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Methylene blue trihydrate  
**CAS Number:** 7220-79-3

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 08:55:42  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 85	<b>TRT#:</b> 6	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 30
	<b>DOSE:</b> 0.25 G/KG	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 9206605

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Brain	* Clitoral Gland	* Esophagus	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Ovary	* Pancreas	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Uterus	

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**OBSERVATIONS**

* Bone Marrow		Pigmentation	Mild
* Kidney	Renal Tubule	Pigmentation	Minimal
* Liver		Hematopoietic Cell Proliferation	Minimal
	Kupffer Cell	Pigmentation	Marked
* Parathyroid Gland		Cyst	Mild
* Spleen	Lymph Follic	Depletion Cellular	Moderate
	Red Pulp	Hematopoietic Cell Proliferation	Marked
		Pigmentation	Mild
	[ Hematopoietic Cell Proliferation TGLS = 1-3 ]		
* Thymus		Necrosis	Mild
* Urinary Bladder	Transit Epithe	Degeneration	Minimal
	Transit Epithe	Pigmentation	Mild

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Methylene blue trihydrate  
**CAS Number:** 7220-79-3

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 08:55:42  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 86

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 30

**DOSE:** 0.25 G/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9206606

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Brain	* Clitoral Gland	* Esophagus	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Ovary	* Pancreas	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Uterus	

**MISSING**

\* Parathyroid Gland

**OBSERVATIONS**

* Bone Marrow		Pigmentation	Mild
* Kidney	Renal Tubule	Pigmentation	Minimal
* Liver		Hematopoietic Cell Proliferation	Mild
	Kupffer Cell	Pigmentation	Marked
* Spleen	Lymph Follic	Depletion Cellular	Marked
	Red Pulp	Hematopoietic Cell Proliferation	Marked
		Pigmentation	Mild
	[ Hematopoietic Cell Proliferation TGLS = 1-3 ]		
* Thymus		Necrosis	Minimal
* Urinary Bladder	Transit Epithe	Degeneration	Minimal

**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE



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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Methylene blue trihydrate  
**CAS Number:** 7220-79-3

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 08:55:42  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 87

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 30

**DOSE:** 0.25 G/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9206607

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Brain	* Clitoral Gland	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Uterus	

**MISSING**

\* Gallbladder

**OBSERVATIONS**

* Bone Marrow		Pigmentation	Moderate
* Kidney	Renal Tubule	Pigmentation	Mild
* Liver		Hematopoietic Cell Proliferation	Mild
	Kupffer Cell	Pigmentation	Marked
* Mammary GI			
Note: mammary gland attached to clitoral gland			
* Spleen	Lymph Follicle	Depletion Cellular	Moderate
	Red Pulp	Hematopoietic Cell Proliferation	Marked
		Pigmentation	Mild
		[ Hematopoietic Cell Proliferation TGLS = 1-3 ]	
* Thymus		Necrosis	Minimal
* Urinary Bladder	Transit Epithelium	Degeneration	Minimal
	Transit Epithelium	Pigmentation	Minimal

**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Methylene blue trihydrate  
**CAS Number:** 7220-79-3

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 08:55:42  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 88      **TRT#:** 6      **SEX:** Female      **DAY ON TEST:** 30  
**DOSE:** 0.25 G/KG      **DISP:** Terminal Sacrifice      **HISTO:** 9206608

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Brain	* Clitoral Gland	* Esophagus	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Mammary Gland	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Uterus	

**OBSERVATIONS**

* Bone Marrow		Pigmentation	Moderate
* Kidney	Renal Tubule	Pigmentation	Mild
* Liver		Hematopoietic Cell Proliferation	Mild
	Kupffer Cell	Pigmentation	Marked
* Lymph Node, Mesenteric		Necrosis	Minimal
* Spleen	Lymph Follic	Depletion Cellular	Moderate
	Red Pulp	Hematopoietic Cell Proliferation	Marked
		Pigmentation	Mild
	[ Hematopoietic Cell Proliferation TGLS = 1-3 ]		
* Thymus		Necrosis	Minimal
* Urinary Bladder	Transit Epithe	Degeneration	Minimal

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Methylene blue trihydrate  
**CAS Number:** 7220-79-3

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 08:55:42  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 89	<b>TRT#:</b> 6	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 18
	<b>DOSE:</b> 0.25 G/KG	<b>DISP:</b> Natural Death	<b>HISTO:</b> 9206609

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Brain	* Esophagus	* Gallbladder	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney
* Lung	* Mammary Gland	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Uterus		

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**MISSING**

\* Clitoral Gland

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**AUTO PRECLUDES DIAG.**

* Lymph Node, Mesenteric	* Urinary Bladder
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**INSUFFICIENT TISSUE**

\* Lymph Node, Mandibular

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**OBSERVATIONS**

* Bone Marrow		Pigmentation	Marked
* Liver		Hematopoietic Cell Proliferation	Minimal
		Necrosis	Focal, Minimal
	Kupffer Cell	Pigmentation	Moderate
* Spleen	Lymph Follic	Depletion Cellular	Marked
	Red Pulp	Hematopoietic Cell Proliferation	Marked
		Pigmentation	Minimal
	[ Hematopoietic Cell Proliferation TGLS = 1-3 ]		
* Thymus		Necrosis	Marked

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**PRIMARY CAUSE OF DEATH** - UNCERTAIN

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\* PROTOCOL REQUIRED TISSUE

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Methylene blue trihydrate  
**CAS Number:** 7220-79-3

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 08:55:42  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 90

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 30

**DOSE:** 0.25 G/KG

**DISP:** Terminal Sacrifice

**HISTO:** 9206610

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Brain	* Clitoral Gland	* Esophagus	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Kidney	* Lung	* Mammary Gland	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Uterus	

**OBSERVATIONS**

* Bone Marrow		Pigmentation	Moderate
* Liver		Hematopoietic Cell Proliferation	Mild
	Kupffer Cell	Pigmentation	Marked
* Lymph Node, Mandibular		Necrosis	Minimal
* Lymph Node, Mesenteric		Necrosis	Minimal
* Spleen	Lymph Follic	Depletion Cellular	Mild
	Red Pulp	Hematopoietic Cell Proliferation	Marked
		Pigmentation	Moderate
		[ Hematopoietic Cell Proliferation TGLS = 1-3 ]	
* Thymus		Necrosis	Mild
* Urinary Bladder	Transit Epithe	Degeneration	Minimal

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Methylene blue trihydrate  
**CAS Number:** 7220-79-3

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 08:55:42  
**First Dose M/F:** NA / NA  
**Lab:** BAT

<b>ANIMAL ID:</b> 91	<b>TRT#:</b> 8 <b>DOSE:</b> 0.5 G/KG	<b>SEX:</b> Female <b>DISP:</b> Moribund Sacrifice	<b>DAY ON TEST:</b> 8 <b>HISTO:</b> 9206581
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**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Brain	* Clitoral Gland	* Esophagus	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	Peripheral Nerve
* Pituitary Gland	* Salivary Glands	* Skin	Spinal Cord
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Uterus

**OBSERVATIONS**

* Bone Marrow		Pigmentation	Mild
* Kidney	Renal Tubule	Pigmentation	Mild
* Liver	Kupffer Cell	Hematopoietic Cell Proliferation	Mild
		Pigmentation	Marked
* Lymph Node, Mandibular		Necrosis	Minimal
* Spleen	Lymph Follic	Depletion Cellular	Marked
	Red Pulp	Hematopoietic Cell Proliferation	Marked
		Pigmentation	Moderate
	[ Hematopoietic Cell Proliferation TGLS = 1-3 ]		
* Stomach, Forestomach		Hyperplasia	Squamous, Focal, Moderate
		Inflammation	Chronic Active, Moderate
	Note: multiple foci, some ulcerated		
	[ Hyperplasia TGLS = 2-8 ]		
* Thymus		Necrosis	Marked
* Urinary Bladder	Transit Epithe	Degeneration	Minimal

**PRIMARY CAUSE OF DEATH** - UNCERTAIN

\* PROTOCOL REQUIRED TISSUE

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Methylene blue trihydrate  
**CAS Number:** 7220-79-3

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 08:55:42  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 92

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 8

**DOSE:** 0.5 G/KG

**DISP:** Moribund Sacrifice

**HISTO:** 9206582

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Brain	* Clitoral Gland	* Esophagus	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Mammary Gland	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	Peripheral Nerve
* Salivary Glands	* Skin	Spinal Cord	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Uterus	

**INSUFFICIENT TISSUE**

\* Pituitary Gland

**OBSERVATIONS**

* Bone Marrow		Pigmentation	Mild
* Kidney	Renal Tubule	Pigmentation	Moderate
* Liver	Periportal	Degeneration	Mild
		Hematopoietic Cell Proliferation	Mild
	Kupffer Cell	Pigmentation	Marked
* Lymph Node, Mesenteric		Necrosis	Minimal
* Spleen	Lymph Follic	Depletion Cellular	Marked
	Red Pulp	Hematopoietic Cell Proliferation	Marked
		Pigmentation	Moderate
	[ Hematopoietic Cell Proliferation TGLS = 1-3 ]		
* Stomach, Forestomach		Hyperplasia	Squamous, Focal, Mild
		Inflammation	Chronic Active, Minimal
* Thymus		Necrosis	Marked
* Urinary Bladder	Transit Epithe	Degeneration	Minimal
	Transit Epithe	Pigmentation	Minimal

**PRIMARY CAUSE OF DEATH**

- UNCERTAIN

\* PROTOCOL REQUIRED TISSUE

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Methylene blue trihydrate  
**CAS Number:** 7220-79-3

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 08:55:42  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 93

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 8

**DOSE:** 0.5 G/KG

**DISP:** Moribund Sacrifice

**HISTO:** 9206583

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Brain	* Clitoral Gland	* Esophagus	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
Peripheral Nerve	* Pituitary Gland	* Salivary Glands	* Skin
Spinal Cord	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Uterus			

**OBSERVATIONS**

* Bone Marrow		Pigmentation	Mild
* Kidney	Renal Tubule	Pigmentation	Minimal
* Liver		Hematopoietic Cell Proliferation	Mild
	Kupffer Cell	Pigmentation	Marked
* Spleen	Lymph Follic	Depletion Cellular	Moderate
	Red Pulp	Hematopoietic Cell Proliferation	Marked
		Pigmentation	Moderate
	[ Hematopoietic Cell Proliferation TGLS = 1-3 ]		
* Stomach, Forestomach		Hyperplasia	Squamous, Focal, Marked
		Inflammation	Chronic Active, Moderate
	Note: multiple foci, some ulcerated		
	[ Hyperplasia TGLS = 2-12 ]		
* Thymus		Necrosis	Mild
* Urinary Bladder	Transit Epithe	Degeneration	Minimal
	Transit Epithe	Pigmentation	Moderate

**PRIMARY CAUSE OF DEATH**

- UNCERTAIN

\* PROTOCOL REQUIRED TISSUE

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Methylene blue trihydrate  
**CAS Number:** 7220-79-3

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 08:55:42  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 94

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 7

**DOSE:** 0.5 G/KG

**DISP:** Natural Death

**HISTO:** 9206584

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Brain	* Clitoral Gland	* Esophagus	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Kidney	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Uterus

**OBSERVATIONS**

* Bone Marrow		Pigmentation	Minimal
* Liver		Hematopoietic Cell Proliferation	Minimal
	Kupffer Cell	Pigmentation	Moderate
* Spleen	Lymph Follic	Depletion Cellular	Moderate
	Red Pulp	Hematopoietic Cell Proliferation	Marked
		Pigmentation	Marked
* Stomach, Forestomach		Ulcer	Focal, Mild
Note: multiple foci, some ulcerated			
[ Ulcer TGLS = 1-8 ]			
* Thymus		Necrosis	Moderate
* Urinary Bladder	Transit Epithe	Degeneration	Minimal

**PRIMARY CAUSE OF DEATH**

- UNCERTAIN

\* PROTOCOL REQUIRED TISSUE



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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Methylene blue trihydrate  
**CAS Number:** 7220-79-3

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 08:55:42  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 95

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 8

**DOSE:** 0.5 G/KG

**DISP:** Moribund Sacrifice

**HISTO:** 9206585

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Brain	* Clitoral Gland	* Esophagus	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Mammary Gland	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	Peripheral Nerve	* Pituitary Gland
* Salivary Glands	* Skin	Spinal Cord	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

**OBSERVATIONS**

* Bone Marrow		Pigmentation	Moderate
* Kidney	Renal Tubule	Pigmentation	Mild
* Liver	Periportal	Degeneration	Mild
		Hematopoietic Cell Proliferation	Mild
		Necrosis	Focal, Minimal
	Kupffer Cell	Pigmentation	Marked
* Lymph Node, Mandibular		Necrosis	Mild
* Lymph Node, Mesenteric		Necrosis	Minimal
* Spleen	Lymph Follic	Depletion Cellular	Moderate
	Red Pulp	Hematopoietic Cell Proliferation	Marked
		Pigmentation	Moderate
	[ Hematopoietic Cell Proliferation TGLS = 1-3 ]		
* Thymus		Necrosis	Moderate

**PRIMARY CAUSE OF DEATH**

- UNCERTAIN

\* PROTOCOL REQUIRED TISSUE

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Methylene blue trihydrate  
**CAS Number:** 7220-79-3

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 08:55:42  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 96

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 8

**DOSE:** 0.5 G/KG

**DISP:** Natural Death

**HISTO:** 9206586

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Brain	* Clitoral Gland	* Esophagus	* Gallbladder
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Mammary Gland	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Uterus			

**MISSING**

\* Lymph Node, Mandibular

**INSUFFICIENT TISSUE**

Eye

**OBSERVATIONS**

* Bone Marrow		Pigmentation	Moderate
Eye			
Note: eyes blocked and cut on wrong axis, nothing of value left in block			
* Heart	Myocardium	Necrosis	Acute, Minimal
* Kidney	Renal Tubule	Pigmentation	Mild
* Liver	Periportal	Degeneration	Minimal
		Hematopoietic Cell Proliferation	Mild
	Kupffer Cell	Pigmentation	Marked
		Necrosis	Mild
* Lymph Node, Mesenteric			
* Mammary GI			
Note: mammary gland attached to clitoral gland			
* Spleen	Lymph Follic	Depletion Cellular	Moderate
	Red Pulp	Hematopoietic Cell Proliferation	Moderate
		Pigmentation	Marked
[ Hematopoietic Cell Proliferation TGLS = 2-3 ]			
* Stom Forestom			
Note: foci not on slide, in block, or wet tissue			

\* PROTOCOL REQUIRED TISSUE

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Methylene blue trihydrate  
**CAS Number:** 7220-79-3

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 08:55:42  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 96	<b>TRT#:</b> 8 <b>DOSE:</b> 0.5 G/KG	<b>SEX:</b> Female <b>DISP:</b> Natural Death	<b>DAY ON TEST:</b> 8 <b>HISTO:</b> 9206586
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**ORGAN AND ACCOUNTABLE SITE STATUS**

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* Thymus		Necrosis	Marked
* Urinary Bladder	Transit Epithe	Degeneration	Minimal
	Transit Epithe	Pigmentation	Mild

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PRIMARY CAUSE OF DEATH	- UNCERTAIN
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\* PROTOCOL REQUIRED TISSUE

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Methylene blue trihydrate  
**CAS Number:** 7220-79-3

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 08:55:42  
**First Dose M/F:** NA / NA  
**Lab:** BAT

<b>ANIMAL ID:</b> 97	<b>TRT#:</b> 8 <b>DOSE:</b> 0.5 G/KG	<b>SEX:</b> Female <b>DISP:</b> Moribund Sacrifice	<b>DAY ON TEST:</b> 8 <b>HISTO:</b> 9206587
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**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Brain	* Clitoral Gland	* Esophagus	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Mammary Gland	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	Peripheral Nerve	* Pituitary Gland
* Salivary Glands	* Skin	Spinal Cord	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Uterus	

**OBSERVATIONS**

* Bone Marrow		Pigmentation	Moderate
* Kidney	Renal Tubule	Pigmentation	Moderate
* Liver	Periportal	Degeneration	Mild
		Hematopoietic Cell Proliferation	Mild
	Kupffer Cell	Pigmentation	Marked
	Periportal	Pigmentation	Minimal
* Lymph Node, Mandibular		Necrosis	Minimal
* Lymph Node, Mesenteric		Necrosis	Mild
* Mammary Gland			
Note: mammary gland attached to clitoral gland			
* Spleen	Lymph Follic	Depletion Cellular	Moderate
	Red Pulp	Hematopoietic Cell Proliferation	Marked
		Pigmentation	Moderate
		[ Hematopoietic Cell Proliferation TGLS = 1-3 ]	
* Stomach, Forestomach		Ulcer	Focal, Mild
Note: multiple foci, some ulcerated			
			[ Ulcer TGLS = 2-4 ]
* Thymus		Necrosis	Marked
* Urinary Bladder	Transit Epithe	Degeneration	Minimal
	Transit Epithe	Pigmentation	Mild

**PRIMARY CAUSE OF DEATH** - UNCERTAIN

\* PROTOCOL REQUIRED TISSUE

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Methylene blue trihydrate  
**CAS Number:** 7220-79-3

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 08:55:42  
**First Dose M/F:** NA / NA  
**Lab:** BAT

<b>ANIMAL ID:</b> 98	<b>TRT#:</b> 8 <b>DOSE:</b> 0.5 G/KG	<b>SEX:</b> Female <b>DISP:</b> Natural Death	<b>DAY ON TEST:</b> 8 <b>HISTO:</b> 9206588
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**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Brain	* Clitoral Gland	* Esophagus	* Gallbladder
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Mammary Gland	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Uterus			

**OBSERVATIONS**

* Bone Marrow		Pigmentation	Moderate
* Heart	Myocardium	Necrosis	Acute, Minimal
* Kidney	Renal Tubule	Casts Protein	Mild
	Renal Tubule	Necrosis	Moderate
	Renal Tubule	Pigmentation	Moderate
* Liver		Hematopoietic Cell Proliferation	Minimal
	Periportal	Necrosis	Mild
	Kupffer Cell	Pigmentation	Moderate
* Lymph Node, Mesenteric		Necrosis	Mild
* Mammary Gland			
Note: mammary gland attached to clitoral gland			
* Spleen	Lymph Follic	Depletion Cellular	Moderate
	Red Pulp	Hematopoietic Cell Proliferation	Marked
		Pigmentation	Moderate
* Stomach, Forestomach		Ulcer	Focal, Mild
Note: multiple foci, some ulcerated [ Ulcer TGLS = 1-4 ]			
* Thymus		Necrosis	Marked
* Urinary Bladder	Transit Epithe	Degeneration	Minimal
	Transit Epithe	Pigmentation	Moderate

**PRIMARY CAUSE OF DEATH** - UNCERTAIN

\* PROTOCOL REQUIRED TISSUE

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Methylene blue trihydrate  
**CAS Number:** 7220-79-3

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 08:55:42  
**First Dose M/F:** NA / NA  
**Lab:** BAT

<b>ANIMAL ID:</b> 99	<b>TRT#:</b> 8 <b>DOSE:</b> 0.5 G/KG	<b>SEX:</b> Female <b>DISP:</b> Moribund Sacrifice	<b>DAY ON TEST:</b> 8 <b>HISTO:</b> 9206589
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**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Brain	* Clitoral Gland	* Esophagus	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Mammary Gland	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	Peripheral Nerve	* Pituitary Gland
* Salivary Glands	* Skin	Spinal Cord	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Uterus	

**OBSERVATIONS**

* Bone Marrow		Pigmentation	Moderate
* Kidney	Renal Tubule	Necrosis	Minimal
	Renal Tubule	Pigmentation	Mild
* Liver	Periportal	Degeneration	Minimal
		Hematopoietic Cell Proliferation	Minimal
	Kupffer Cell	Pigmentation	Marked
* Lymph Node, Mandibular		Necrosis	Minimal
* Lymph Node, Mesenteric		Necrosis	Mild
* Spleen	Lymph Follic	Depletion Cellular	Marked
	Red Pulp	Hematopoietic Cell Proliferation	Marked
		Pigmentation	Moderate
	[ Hematopoietic Cell Proliferation TGLS = 1-3 ]		
* Stomach, Forestomach		Hyperplasia	Squamous, Focal, Moderate
		Inflammation	Chronic Active, Mild
	Note: multiple foci		
	[ Hyperplasia TGLS = 2-12 ]		
* Thymus		Necrosis	Marked
* Urinary Bladder	Transit Epithe	Degeneration	Minimal
	Transit Epithe	Pigmentation	Minimal

**PRIMARY CAUSE OF DEATH** - UNCERTAIN

\* PROTOCOL REQUIRED TISSUE

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Methylene blue trihydrate  
**CAS Number:** 7220-79-3

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 08:55:42  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 100

**TRT#:** 8  
**DOSE:** 0.5 G/KG

**SEX:** Female  
**DISP:** Natural Death

**DAY ON TEST:** 8  
**HISTO:** 9206590

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Brain	* Clitoral Gland	* Esophagus	Eye
* Gallbladder	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Mammary Gland	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Uterus			

**MISSING**

\* Lymph Node, Mandibular

**OBSERVATIONS**

* Bone Marrow		Pigmentation	Moderate
* Heart	Myocardium	Necrosis	Acute, Minimal
* Kidney	Renal Tubule	Necrosis	Minimal
	Renal Tubule	Pigmentation	Mild
* Liver	Periportal	Degeneration	Minimal
		Hematopoietic Cell Proliferation	Minimal
	Kupffer Cell	Pigmentation	Moderate
* Lymph Node, Mesenteric		Necrosis	Minimal
* Spleen	Lymph Follic	Depletion Cellular	Moderate
	Red Pulp	Hematopoietic Cell Proliferation	Marked
		Pigmentation	Moderate
	[ Hematopoietic Cell Proliferation TGLS = 2-3 ]		
* Stomach, Forestomach		Hyperplasia	Squamous, Focal, Moderate
		Inflammation	Chronic Active, Mild
* Thymus		Necrosis	Marked
* Urinary Bladder	Transit Epithe	Degeneration	Minimal
	Transit Epithe	Pigmentation	Mild

**PRIMARY CAUSE OF DEATH**

- UNCERTAIN

\* PROTOCOL REQUIRED TISSUE

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Methylene blue trihydrate  
**CAS Number:** 7220-79-3

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 08:55:42  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 101

**TRT#:** 10

**SEX:** Female

**DAY ON TEST:** 7

**DOSE:** 1.0 G/KG

**DISP:** Natural Death

**HISTO:** 9206561

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Brain	* Clitoral Gland	* Esophagus	* Gallbladder
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Uterus	

**MISSING**

\* Mammary Gland

**OBSERVATIONS**

* Bone Marrow		Pigmentation	Moderate
* Heart	Myocardium	Necrosis	Acute, Minimal
* Kidney	Renal Tubule	Casts Protein	Mild
	Renal Tubule	Necrosis	Moderate
	Renal Tubule	Pigmentation	Moderate
* Liver	Periportal	Degeneration	Mild
		Hematopoietic Cell Proliferation	Mild
	Kupffer Cell	Pigmentation	Moderate
* Lymph Node, Mandibular		Necrosis	Mild
* Lymph Node, Mesenteric		Necrosis	Mild
* Spleen	Lymph Follic	Depletion Cellular	Moderate
	Red Pulp	Hematopoietic Cell Proliferation	Marked
		Pigmentation	Mild
		[ Hematopoietic Cell Proliferation TGLS = 1-3 ]	
* Stomach, Forestomach		Inflammation	Chronic Active, Minimal
		Ulcer	Focal, Mild
		Note: multiple foci, some ulcerated	
		[ Inflammation TGLS = 2-8 ]	
* Thymus		Necrosis	Marked
* Urinary Bladder	Transit Epithe	Degeneration	Minimal

\* PROTOCOL REQUIRED TISSUE



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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Methylene blue trihydrate  
**CAS Number:** 7220-79-3

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 08:55:42  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 101	<b>TRT#:</b> 10 <b>DOSE:</b> 1.0 G/KG	<b>SEX:</b> Female <b>DISP:</b> Natural Death	<b>DAY ON TEST:</b> 7 <b>HISTO:</b> 9206561
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**ORGAN AND ACCOUNTABLE SITE STATUS**

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	Transit Epithe	Pigmentation	Mild
<b>PRIMARY CAUSE OF DEATH</b>	- UNCERTAIN		

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\* PROTOCOL REQUIRED TISSUE

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Methylene blue trihydrate  
**CAS Number:** 7220-79-3

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 08:55:42  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 102

**TRT#:** 10  
**DOSE:** 1.0 G/KG

**SEX:** Female  
**DISP:** Natural Death

**DAY ON TEST:** 8  
**HISTO:** 9206562

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Brain	* Clitoral Gland	* Esophagus	* Gallbladder
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Mammary Gland	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Uterus			

**OBSERVATIONS**

* Bone Marrow		Pigmentation	Moderate
* Heart	Myocardium	Necrosis	Acute, Minimal
* Kidney	Renal Tubule	Casts Protein	Minimal
	Renal Tubule	Pigmentation	Mild
* Liver		Hematopoietic Cell Proliferation	Minimal
		Necrosis	Mild
	Kupffer Cell	Pigmentation	Moderate
* Lymph Node, Mandibular		Necrosis	Mild
* Lymph Node, Mesenteric		Necrosis	Mild
* Spleen	Lymph Follic	Depletion Cellular	Moderate
	Red Pulp	Hematopoietic Cell Proliferation	Marked
		Pigmentation	Moderate
	[ Hematopoietic Cell Proliferation TGLS = 1-3 ]		
* Thymus		Necrosis	Marked
* Urinary Bladder	Transit Epithe	Degeneration	Minimal
	Transit Epithe	Pigmentation	Minimal

**PRIMARY CAUSE OF DEATH** - UNCERTAIN

\* PROTOCOL REQUIRED TISSUE

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Methylene blue trihydrate  
**CAS Number:** 7220-79-3

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 08:55:42  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 103

**TRT#:** 10  
**DOSE:** 1.0 G/KG

**SEX:** Female  
**DISP:** Natural Death

**DAY ON TEST:** 6  
**HISTO:** 9206563

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Brain	* Clitoral Gland	* Esophagus	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Kidney	* Lung	* Mammary Gland	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Uterus		

**OBSERVATIONS**

* Bone Marrow		Pigmentation	Minimal
* Liver		Hematopoietic Cell Proliferation	Minimal
	Kupffer Cell	Pigmentation	Mild
* Lymph Node, Mandibular		Necrosis	Minimal
* Lymph Node, Mesenteric		Necrosis	Minimal
* Mammary GI			
Note: mammary gland attached to clitoral gland			
* Spleen	Lymph Follic	Depletion Cellular	Moderate
	Red Pulp	Hematopoietic Cell Proliferation	Marked
		Pigmentation	Moderate
* Stomach, Forestomach		Hyperplasia	Squamous, Focal, Moderate
		Inflammation	Chronic Active, Mild
Note: multiple foci [ Hyperplasia TGLS = 1-8 ]			
* Thymus		Necrosis	Minimal
* Urinary Bladder	Transit Epithe	Degeneration	Minimal
	Transit Epithe	Pigmentation	Minimal

**PRIMARY CAUSE OF DEATH**

- UNCERTAIN

\* PROTOCOL REQUIRED TISSUE

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Methylene blue trihydrate  
**CAS Number:** 7220-79-3

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 08:55:42  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 104	<b>TRT#:</b> 10	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 5
	<b>DOSE:</b> 1.0 G/KG	<b>DISP:</b> Natural Death	<b>HISTO:</b> 9206564

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Brain	* Clitoral Gland	* Esophagus	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Kidney	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Uterus

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**OBSERVATIONS**

* Bone Marrow		Pigmentation	Mild
* Liver	Kupffer Cell	Pigmentation	Minimal
* Spleen	Lymph Follic	Depletion Cellular	Moderate
	Red Pulp	Hematopoietic Cell Proliferation	Mild
		Pigmentation	Moderate
* Stomach, Forestomach		Inflammation	Acute, Minimal
* Thymus		Necrosis	Moderate
* Urinary Bladder	Transit Epithe	Degeneration	Minimal
	Transit Epithe	Pigmentation	Moderate

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**PRIMARY CAUSE OF DEATH** - UNCERTAIN

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\* PROTOCOL REQUIRED TISSUE

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Methylene blue trihydrate  
**CAS Number:** 7220-79-3

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 08:55:42  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 105

**TRT#:** 10  
**DOSE:** 1.0 G/KG

**SEX:** Female  
**DISP:** Natural Death

**DAY ON TEST:** 7  
**HISTO:** 9206565

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Brain	* Clitoral Gland	* Esophagus	* Gallbladder
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Mammary Gland	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Uterus

**MISSING**

\* Skin

**OBSERVATIONS**

* Blood Vessel			
Note: aorta on slide 2			
* Bone Marrow		Hyperplasia	Mild
		Pigmentation	Marked
* Heart	Myocardium	Necrosis	Acute, Minimal
* Kidney	Renal Tubule	Pigmentation	Minimal
* Liver		Hematopoietic Cell Proliferation	Mild
	Kupffer Cell	Pigmentation	Marked
* Lymph Node, Mesenteric		Necrosis	Mild
* Spleen	Lymph Follicle	Depletion Cellular	Moderate
	Red Pulp	Hematopoietic Cell Proliferation	Marked
		Pigmentation	Moderate
[ Hematopoietic Cell Proliferation TGLS = 1-3 ]			
* Stomach, Forestomach		Hyperplasia	Squamous, Focal, Marked
		Inflammation	Chronic Active, Moderate
		Ulcer	Focal, Moderate
Note: multiple foci, some ulcerated			
[ Hyperplasia TGLS = 2-8 ]			
* Thymus		Necrosis	Marked
* Urinary Bladder	Transit Epithelium	Degeneration	Minimal

\* PROTOCOL REQUIRED TISSUE

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Methylene blue trihydrate  
**CAS Number:** 7220-79-3

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 08:55:42  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 105	<b>TRT#:</b> 10 <b>DOSE:</b> 1.0 G/KG	<b>SEX:</b> Female <b>DISP:</b> Natural Death	<b>DAY ON TEST:</b> 7 <b>HISTO:</b> 9206565
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**ORGAN AND ACCOUNTABLE SITE STATUS**

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	Transit Epithe	Pigmentation	Minimal
<b>PRIMARY CAUSE OF DEATH</b>	- UNCERTAIN		

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\* PROTOCOL REQUIRED TISSUE

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Methylene blue trihydrate  
**CAS Number:** 7220-79-3

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 08:55:42  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 106

**TRT#:** 10  
**DOSE:** 1.0 G/KG

**SEX:** Female  
**DISP:** Natural Death

**DAY ON TEST:** 8  
**HISTO:** 9206566

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Brain	* Esophagus	* Gallbladder	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

**MISSING**

* Clitoral Gland	* Mammary Gland
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**AUTO PRECLUDES DIAG.**

\* Lymph Node, Mesenteric

**OBSERVATIONS**

* Bone Marrow		Pigmentation	Moderate
* Heart	Myocardium	Necrosis	Acute, Minimal
* Kidney	Renal Tubule	Necrosis	Moderate
	Renal Tubule	Pigmentation	Moderate
* Liver		Hematopoietic Cell Proliferation	Minimal
		Necrosis	Minimal
	Kupffer Cell	Pigmentation	Mild
* Lymph Node, Mandibular		Necrosis	Mild
* Spleen	Lymph Follic	Depletion Cellular	Moderate
	Red Pulp	Hematopoietic Cell Proliferation	Moderate
		Pigmentation	Moderate
	[ Hematopoietic Cell Proliferation TGLS = 1-3 ]		
* Stomach, Forestomach		Ulcer	Focal, Mild
	[ Ulcer TGLS = 2-4 ]		
* Thymus		Necrosis	Marked

**PRIMARY CAUSE OF DEATH**

- UNCERTAIN

\* PROTOCOL REQUIRED TISSUE

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Methylene blue trihydrate  
**CAS Number:** 7220-79-3

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 08:55:42  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 107

**TRT#:** 10  
**DOSE:** 1.0 G/KG

**SEX:** Female  
**DISP:** Natural Death

**DAY ON TEST:** 7  
**HISTO:** 9206567

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Brain	* Clitoral Gland	* Esophagus	* Gallbladder
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Mammary Gland	* Nose	* Ovary	* Pancreas
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Uterus

**MISSING**

* Lymph Node, Mandibular	* Parathyroid Gland
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**OBSERVATIONS**

* Bone Marrow		Pigmentation	Moderate
* Heart	Myocardium	Necrosis	Acute, Mild
* Kidney	Renal Tubule	Casts Protein	Minimal
	Renal Tubule	Necrosis	Minimal
	Renal Tubule	Pigmentation	Moderate
* Liver		Hematopoietic Cell Proliferation	Minimal
	Kupffer Cell	Pigmentation	Moderate
* Lymph Node, Mesenteric		Necrosis	Mild
* Spleen	Lymph Follic	Depletion Cellular	Moderate
	Red Pulp	Hematopoietic Cell Proliferation	Moderate
		Pigmentation	Marked
* Thymus		Necrosis	Marked
* Urinary Bladder	Transit Epithe	Degeneration	Minimal
	Transit Epithe	Pigmentation	Mild

**PRIMARY CAUSE OF DEATH** - UNCERTAIN

\* PROTOCOL REQUIRED TISSUE



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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Methylene blue trihydrate  
**CAS Number:** 7220-79-3

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 08:55:42  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 108

**TRT#:** 10  
**DOSE:** 1.0 G/KG

**SEX:** Female  
**DISP:** Natural Death

**DAY ON TEST:** 7  
**HISTO:** 9206568

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Brain	* Clitoral Gland	* Esophagus	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Mammary Gland	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Uterus	

**OBSERVATIONS**

* Bone Marrow		Pigmentation	Moderate
* Kidney	Renal Tubule	Necrosis	Mild
	Renal Tubule	Pigmentation	Moderate
* Liver		Hematopoietic Cell Proliferation	Mild
	Kupffer Cell	Pigmentation	Marked
* Lymph Node, Mesenteric		Necrosis	Mild
* Mammary Gland			
Note: mammary gland attached to clitoral gland on slide 6			
* Spleen	Lymph Follicle	Depletion Cellular	Moderate
	Red Pulp	Hematopoietic Cell Proliferation	Marked
		Pigmentation	Moderate
* Thymus		Necrosis	Mild
* Urinary Bladder	Transit Epithelium	Degeneration	Minimal

**PRIMARY CAUSE OF DEATH** - UNCERTAIN

\* PROTOCOL REQUIRED TISSUE

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Methylene blue trihydrate  
**CAS Number:** 7220-79-3

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 08:55:42  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 109	<b>TRT#:</b> 10	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 8
	<b>DOSE:</b> 1.0 G/KG	<b>DISP:</b> Natural Death	<b>HISTO:</b> 9206569

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Brain	* Clitoral Gland	* Esophagus	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Thyroid Gland
* Trachea	* Uterus		

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**MISSING**

* Lymph Node, Mandibular	* Lymph Node, Mesenteric
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**AUTO PRECLUDES DIAG.**

* Stomach, Forestomach	* Stomach, Glandular
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**INSUFFICIENT TISSUE**

* Ovary	* Pituitary Gland
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**OBSERVATIONS**

* Bone Marrow		Pigmentation	Moderate
* Kidney	Renal Tubule	Necrosis	Minimal
	Renal Tubule	Pigmentation	Mild
* Liver		Hematopoietic Cell Proliferation	Mild
	Kupffer Cell	Pigmentation	Moderate
* Spleen	Lymph Follic	Depletion Cellular	Moderate
	Red Pulp	Hematopoietic Cell Proliferation	Marked
		Pigmentation	Moderate
	[ Hematopoietic Cell Proliferation TGLS = 1-3 ]		
* Thymus		Necrosis	Moderate
* Urinary Bladder	Transit Epithe	Degeneration	Minimal

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**PRIMARY CAUSE OF DEATH** - UNCERTAIN

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\* PROTOCOL REQUIRED TISSUE

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Methylene blue trihydrate  
**CAS Number:** 7220-79-3

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 08:55:42  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 110      **TRT#:** 10      **SEX:** Female      **DAY ON TEST:** 8  
**DOSE:** 1.0 G/KG      **DISP:** Natural Death      **HISTO:** 9206570

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Brain	* Clitoral Gland	* Esophagus	* Gallbladder
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Mammary Gland	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Uterus

**OBSERVATIONS**

* Bone Marrow		Pigmentation	Moderate
* Heart	Myocardium	Necrosis	Acute, Minimal
* Kidney	Renal Tubule	Casts Protein	Minimal
	Renal Tubule	Necrosis	Mild
	Renal Tubule	Pigmentation	Moderate
* Liver		Hematopoietic Cell Proliferation	Mild
		Necrosis	Moderate
	Kupffer Cell	Pigmentation	Moderate
	Periportal	Pigmentation	Moderate
* Lymph Node, Mandibular		Necrosis	Mild
* Lymph Node, Mesenteric		Necrosis	Mild
* Mammary GI			
Note: mammary gland on clitoral glands			
* Spleen	Lymph Follic	Depletion Cellular	Moderate
	Red Pulp	Hematopoietic Cell Proliferation	Marked
		Pigmentation	Moderate
[ Hematopoietic Cell Proliferation TGLS = 1-3 ]			
* Stomach, Forestomach		Hyperplasia	Squamous, Focal, Moderate
		Ulcer	Focal, Mild
Note: multiple foci, some ulcerated			
[ Hyperplasia TGLS = 2-4 ]			
* Thymus		Necrosis	Marked

\* PROTOCOL REQUIRED TISSUE

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Methylene blue trihydrate  
**CAS Number:** 7220-79-3

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 08:55:42  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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<b>ANIMAL ID:</b> 110	<b>TRT#:</b> 10 <b>DOSE:</b> 1.0 G/KG	<b>SEX:</b> Female <b>DISP:</b> Natural Death	<b>DAY ON TEST:</b> 8 <b>HISTO:</b> 9206570
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**ORGAN AND ACCOUNTABLE SITE STATUS**

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* Urinary Bladder	Transit Epithe Transit Epithe	Hyperplasia Pigmentation	Mild Mild
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PRIMARY CAUSE OF DEATH - UNCERTAIN

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\* PROTOCOL REQUIRED TISSUE

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Methylene blue trihydrate  
**CAS Number:** 7220-79-3

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 08:55:42  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 111

**TRT#:** 12  
**DOSE:** 2.0 G/KG

**SEX:** Female  
**DISP:** Moribund Sacrifice

**DAY ON TEST:** 3  
**HISTO:** 9206541

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Clitoral Gland	* Esophagus	* Gallbladder	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Mammary Gland
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
Peripheral Nerve	* Pituitary Gland	* Salivary Glands	* Skin
Spinal Cord	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Uterus		

**MISSING**

\* Blood Vessel

**OBSERVATIONS**

* Bone Marrow		Pigmentation	Minimal
* Heart	Myocardium	Necrosis	Acute, Mild
* Kidney	Renal Tubule	Casts Protein	Mild
	Renal Tubule	Pigmentation	Mild
* Liver		Necrosis	Minimal
	Kupffer Cell	Pigmentation	Mild
* Lymph Node, Mandibular		Necrosis	Mild
* Lymph Node, Mesenteric		Necrosis	Moderate
* Spleen		Congestion	Moderate
	Lymph Follic	Depletion Cellular	Mild
		Pigmentation	Minimal
* Thymus		Necrosis	Marked
* Urinary Bladder	Transit Epithe	Degeneration	Minimal

**PRIMARY CAUSE OF DEATH**

- UNCERTAIN

\* PROTOCOL REQUIRED TISSUE

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Methylene blue trihydrate  
**CAS Number:** 7220-79-3

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 08:55:42  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 112

**TRT#:** 12  
**DOSE:** 2.0 G/KG

**SEX:** Female  
**DISP:** Natural Death

**DAY ON TEST:** 3  
**HISTO:** 9206542

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Brain	* Clitoral Gland	* Esophagus	* Gallbladder
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Mammary Gland	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Uterus			

**OBSERVATIONS**

* Bone Marrow		Pigmentation	Minimal
* Heart	Myocardium	Necrosis	Acute, Minimal
* Kidney	Renal Tubule	Pigmentation	Minimal
* Liver		Necrosis	Minimal
	Kupffer Cell	Pigmentation	Moderate
* Lymph Node, Mandibular		Necrosis	Mild
* Lymph Node, Mesenteric		Necrosis	Mild
* Spleen		Congestion	Moderate
	Lymph Follic	Depletion Cellular	Moderate
* Thymus		Necrosis	Moderate
* Urinary Bladder	Transit Epithe	Hyperplasia	Mild

**PRIMARY CAUSE OF DEATH**

- UNCERTAIN

\* PROTOCOL REQUIRED TISSUE

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Methylene blue trihydrate  
**CAS Number:** 7220-79-3

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 08:55:42  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 113

**TRT#:** 12  
**DOSE:** 2.0 G/KG

**SEX:** Female  
**DISP:** Moribund Sacrifice

**DAY ON TEST:** 3  
**HISTO:** 9206543

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Brain	* Clitoral Gland	* Esophagus	* Gallbladder
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Mammary Gland	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	Peripheral Nerve	* Pituitary Gland	* Salivary Glands
* Skin	Spinal Cord	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Uterus	

**OBSERVATIONS**

* Bone Marrow	Erythroid Cell	Hyperplasia	Mild
* Heart	Myocardium	Necrosis	Acute, Minimal
* Kidney	Renal Tubule	Pigmentation	Mild
* Liver		Hematopoietic Cell Proliferation	Minimal
		Necrosis	Minimal
	Kupffer Cell	Pigmentation	Mild
* Lymph Node, Mandibular		Necrosis	Moderate
* Lymph Node, Mesenteric		Necrosis	Mild
* Spleen		Congestion	Mild
	Lymph Follic	Depletion Cellular	Moderate
		Pigmentation	Moderate
* Thymus		Necrosis	Moderate
* Urinary Bladder	Transit Epithe	Degeneration	Minimal

**PRIMARY CAUSE OF DEATH** - UNCERTAIN

\* PROTOCOL REQUIRED TISSUE

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Methylene blue trihydrate  
**CAS Number:** 7220-79-3

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 08:55:42  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 114

**TRT#:** 12  
**DOSE:** 2.0 G/KG

**SEX:** Female  
**DISP:** Moribund Sacrifice

**DAY ON TEST:** 4  
**HISTO:** 9206544

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Brain	* Clitoral Gland	* Esophagus	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Mammary Gland	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	Peripheral Nerve	* Pituitary Gland
* Salivary Glands	* Skin	Spinal Cord	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Uterus	

**OBSERVATIONS**

* Bone Marrow		Pigmentation	Moderate
* Kidney	Renal Tubule	Necrosis	Minimal
	Renal Tubule	Pigmentation	Mild
* Liver	Kupffer Cell	Pigmentation	Moderate
* Lymph Node, Mandibular		Necrosis	Mild
* Lymph Node, Mesenteric		Necrosis	Mild
* Spleen		Congestion	Mild
	Lymph Follic	Depletion Cellular	Moderate
		Pigmentation	Marked
* Stomach, Forestomach		Ulcer	Focal, Marked
Note: multiple foci, some ulcerated			
[ Ulcer TGLS = 1-8 ]			
* Thymus		Necrosis	Moderate
* Urinary Bladder	Transit Epithe	Degeneration	Minimal

**PRIMARY CAUSE OF DEATH**

- UNCERTAIN

\* PROTOCOL REQUIRED TISSUE



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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Methylene blue trihydrate  
**CAS Number:** 7220-79-3

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 08:55:42  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 115

**TRT#:** 12  
**DOSE:** 2.0 G/KG

**SEX:** Female  
**DISP:** Natural Death

**DAY ON TEST:** 3  
**HISTO:** 9206545

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Brain	* Clitoral Gland	* Esophagus	* Gallbladder
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Mammary Gland	* Nose	* Ovary	* Pancreas
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Uterus

**MISSING**

\* Parathyroid Gland

**OBSERVATIONS**

* Bone Marrow		Pigmentation	Mild
* Heart	Myocardium	Necrosis	Acute, Minimal
* Kidney	Renal Tubule	Casts Protein	Moderate
	Renal Tubule	Necrosis	Minimal
	Renal Tubule	Pigmentation	Moderate
* Liver		Necrosis	Moderate
	Kupffer Cell	Pigmentation	Mild
* Lymph Node, Mandibular		Necrosis	Mild
* Lymph Node, Mesenteric		Necrosis	Mild
* Mammary GI			
Note: mammary gland attached to clitoral gland			
* Spleen		Congestion	Mild
	Lymph Follic	Depletion Cellular	Moderate
		Pigmentation	Mild
* Thymus		Necrosis	Marked
* Urinary Bladder	Transit Epithe	Degeneration	Minimal
	Transit Epithe	Pigmentation	Mild

**PRIMARY CAUSE OF DEATH**

- UNCERTAIN

\* PROTOCOL REQUIRED TISSUE

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Methylene blue trihydrate  
**CAS Number:** 7220-79-3

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 08:55:42  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 116

**TRT#:** 12  
**DOSE:** 2.0 G/KG

**SEX:** Female  
**DISP:** Natural Death

**DAY ON TEST:** 4  
**HISTO:** 9206546

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Brain	* Clitoral Gland	* Esophagus	* Gallbladder
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Mammary Gland	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Uterus

**OBSERVATIONS**

* Bone Marrow		Pigmentation	Moderate
* Heart	Myocardium	Necrosis	Acute, Minimal
* Kidney	Renal Tubule	Casts Protein	Moderate
	Renal Tubule	Necrosis	Moderate
	Renal Tubule	Pigmentation	Mild
* Liver		Necrosis	Marked
	Kupffer Cell	Pigmentation	Moderate
* Lymph Node, Mandibular		Necrosis	Minimal
* Lymph Node, Mesenteric		Necrosis	Mild
* Mammary Gland			
Note: mammary gland attached to clitoral gland			
* Spleen		Congestion	Moderate
	Lymph Follic	Depletion Cellular	Moderate
		Pigmentation	Marked
* Stomach, Forestomach		Ulcer	Focal, Moderate
Note: multiple foci, some ulcerated [ Ulcer TGLS = 1-8 ]			
* Thymus		Necrosis	Marked
* Urinary Bladder	Transit Epithe	Degeneration	Minimal
	Transit Epithe	Pigmentation	Minimal

**PRIMARY CAUSE OF DEATH**

- UNCERTAIN

\* PROTOCOL REQUIRED TISSUE

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Methylene blue trihydrate  
**CAS Number:** 7220-79-3

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 08:55:42  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 117

**TRT#:** 12  
**DOSE:** 2.0 G/KG

**SEX:** Female  
**DISP:** Natural Death

**DAY ON TEST:** 3  
**HISTO:** 9206547

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Brain	* Clitoral Gland	* Esophagus	* Gallbladder
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Mammary Gland	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Uterus			

**OBSERVATIONS**

* Bone Marrow		Pigmentation	Moderate
* Heart	Myocardium	Necrosis	Acute, Minimal
* Kidney	Renal Tubule	Pigmentation	Marked
* Liver		Necrosis	Moderate
	Kupffer Cell	Pigmentation	Mild
* Lymph Node, Mandibular		Necrosis	Mild
* Lymph Node, Mesenteric		Necrosis	Moderate
* Mammary GI			
Note: mammary gland with clitoral gland			
* Spleen		Congestion	Mild
	Lymph Follic	Depletion Cellular	Moderate
		Pigmentation	Moderate
* Thymus		Necrosis	Marked
* Urinary Bladder	Transit Epithe	Degeneration	Minimal

**PRIMARY CAUSE OF DEATH**

- UNCERTAIN

\* PROTOCOL REQUIRED TISSUE

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Methylene blue trihydrate  
**CAS Number:** 7220-79-3

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 08:55:42  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 118

**TRT#:** 12  
**DOSE:** 2.0 G/KG

**SEX:** Female  
**DISP:** Natural Death

**DAY ON TEST:** 2  
**HISTO:** 9206548

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Brain	* Clitoral Gland	* Esophagus	Eye
* Gallbladder	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Lung	* Mammary Gland
* Nose	* Ovary	* Pancreas	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Uterus	

**MISSING**

\* Parathyroid Gland

**OBSERVATIONS**

* Bone Marrow		Pigmentation	Minimal
* Liver	Kupffer Cell	Pigmentation	Mild
* Lymph Node, Mandibular		Necrosis	Minimal
* Lymph Node, Mesenteric		Necrosis	Moderate
* Mammary GI			
Note: mammary gland attached to clitoral gland			
* Spleen		Congestion	Mild
	Lymph Follic	Depletion Cellular	Mild
		Pigmentation	Mild
* Thymus		Necrosis	Minimal
* Urinary Bladder	Transit Epithe	Degeneration	Minimal

**PRIMARY CAUSE OF DEATH**

- UNCERTAIN

Animal Note: possible dosing accident, but lungs normal on micro

\* PROTOCOL REQUIRED TISSUE

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Methylene blue trihydrate  
**CAS Number:** 7220-79-3

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 08:55:42  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 119

**TRT#:** 12  
**DOSE:** 2.0 G/KG

**SEX:** Female  
**DISP:** Natural Death

**DAY ON TEST:** 2  
**HISTO:** 9206549

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Brain	* Clitoral Gland	* Esophagus	Eye
* Gallbladder	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Lung	* Lymph Node, Mandibular
* Mammary Gland	* Nose	* Ovary	* Pancreas
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

**MISSING**

\* Parathyroid Gland

**OBSERVATIONS**

* Bone Marrow		Pigmentation	Minimal
* Liver	Kupffer Cell	Pigmentation	Minimal
* Lymph Node, Mesenteric		Necrosis	Mild
* Spleen		Congestion	Mild
	Lymph Follic	Depletion Cellular	Mild
		Pigmentation	Minimal
* Thymus		Necrosis	Mild

**PRIMARY CAUSE OF DEATH**

- UNCERTAIN

\* PROTOCOL REQUIRED TISSUE

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

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Methylene blue trihydrate  
**CAS Number:** 7220-79-3

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 08:55:42  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 120

**TRT#:** 12  
**DOSE:** 2.0 G/KG

**SEX:** Female  
**DISP:** Natural Death

**DAY ON TEST:** 2  
**HISTO:** 9206550

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Brain	* Clitoral Gland	* Esophagus	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Kidney	* Lung	* Lymph Node, Mandibular	* Mammary Gland
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Uterus

**AUTO PRECLUDES DIAG.**

\* Lymph Node, Mesenteric

**OBSERVATIONS**

* Bone Marrow		Pigmentation	Minimal
* Liver		Hematopoietic Cell Proliferation	Minimal
	Kupffer Cell	Pigmentation	Minimal
* Spleen	Lymph Follic	Depletion Cellular	Mild
* Thymus		Necrosis	Mild
* Urinary Bladder	Transit Epithe	Degeneration	Minimal

**PRIMARY CAUSE OF DEATH**

- UNCERTAIN

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

\* PROTOCOL REQUIRED TISSUE