

**Experiment Number:** 91005-03  
**Test Type:** 90-DAY  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)**

**Test Compound:** Methylene blue trihydrate

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

**Date Report Requested:** 10/15/2014

**Time Report Requested:** 18:01:24

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

**Lab:** BAT

|                             |            |
|-----------------------------|------------|
| <b>C Number:</b>            | C91005B    |
| <b>Lock Date:</b>           | 05/12/1994 |
| <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       |

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P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Date Report Requested: 10/15/2014

Test Type: 90-DAY

Test Compound: Methylene blue trihydrate

Time Report Requested: 18:01:24

Route: GAVAGE

CAS Number: 7220-79-3

First Dose M/F: NA / NA

Species/Strain: Rat/F 344/N

Lab: BAT

F 344/N Rat Male  
0 MG/KG

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

Alimentary System

|                           |   |   |   |   |   |   |   |   |   |   |    |
|---------------------------|---|---|---|---|---|---|---|---|---|---|----|
| Esophagus                 | + | + | + | + | + | + | + | + | + | + | 10 |
| Intestine Large, Cecum    | + | + | + | + | + | + | + | + | + | + | 10 |
| Intestine Large, Colon    | + | + | + | + | + | + | + | + | + | + | 10 |
| Intestine Large, Rectum   | + | + | + | + | + | + | + | + | + | + | 10 |
| Intestine Small, Duodenum | + | + | + | + | + | + | + | + | + | + | 10 |
| Intestine Small, Ileum    | + | + | + | + | + | + | + | + | + | + | 10 |
| Intestine Small, Jejunum  | + | + | + | + | + | + | + | + | + | + | 10 |
| Liver                     | + | + | + | + | + | + | + | + | + | + | 10 |
| Mesentery                 |   |   |   |   |   |   | + |   |   |   | 1  |
| Pancreas                  | + | + | + | + | + | + | + | + | + | + | 10 |
| Salivary Glands           | + | + | + | + | + | + | + | + | + | + | 10 |
| Stomach, Forestomach      | + | + | + | + | + | + | + | + | + | + | 10 |
| Stomach, Glandular        | + | + | + | + | + | + | + | + | + | + | 10 |

Cardiovascular System

|              |   |   |   |   |   |   |   |   |   |   |    |
|--------------|---|---|---|---|---|---|---|---|---|---|----|
| Blood Vessel | + | + | + | + | + | + | + | + | + | + | 10 |
| Heart        | + | + | + | + | + | + | + | + | + | + | 10 |

Endocrine System

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

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

M ..Missing tissue

+ ..Tissue examined microscopically

A ..Autolysis precludes evaluation

X ..Lesion present

BLANK ..Not examined microscopically

I ..Insufficient tissue

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Test Type: 90-DAY

Test Compound: Methylene blue trihydrate

Time Report Requested: 18:01:24

Route: GAVAGE

CAS Number: 7220-79-3

First Dose M/F: NA / NA

Species/Strain: Rat/F 344/N

Lab: BAT

F 344/N Rat Male  
0 MG/KG

| DAY ON TEST                 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | *TOTALS |
|-----------------------------|---|---|---|---|---|---|---|---|---|---|---------|
|                             | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |         |
| ANIMAL ID                   | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |         |
|                             | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |         |
|                             | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |         |
|                             | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |         |
|                             | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |         |
|                             | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |         |
|                             | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 |         |
| Parathyroid Gland           | + | M | + | + | M | M | + | M | + | + | 6       |
| Pituitary Gland             | + | + | + | + | + | + | + | + | + | + | 10      |
| Thyroid Gland               | + | + | + | + | + | + | + | + | + | + | 10      |
| <b>General Body System</b>  |   |   |   |   |   |   |   |   |   |   |         |
| NONE                        |   |   |   |   |   |   |   |   |   |   |         |
| <b>Genital System</b>       |   |   |   |   |   |   |   |   |   |   |         |
| Epididymis                  | + | + | + | + | + | + | + | + | + | + | 10      |
| Preputial Gland             | + | + | + | + | + | + | + | + | + | + | 10      |
| Prostate                    | + | + | + | + | + | + | + | + | + | + | 10      |
| Seminal Vesicle             | + | + | + | + | + | + | + | + | + | + | 10      |
| Testes                      | + | + | + | + | + | + | + | + | + | + | 10      |
| <b>Hematopoietic System</b> |   |   |   |   |   |   |   |   |   |   |         |
| Bone Marrow                 | + | + | + | + | + | + | + | + | + | + | 10      |
| Lymph Node                  |   |   |   |   |   |   |   | + |   |   | 1       |
| Lymph Node, Mandibular      | + | + | + | + | + | + | + | + | + | + | 10      |
| Lymph Node, Mesenteric      | + | + | + | + | + | + | + | + | + | + | 10      |
| Spleen                      | + | + | + | + | + | + | + | + | + | + | 10      |
| Thymus                      | + | + | + | + | + | + | + | + | + | + | 10      |
| <b>Integumentary System</b> |   |   |   |   |   |   |   |   |   |   |         |
| Mammary Gland               | + | + | + | + | + | + | + | + | + | + | 10      |
| Skin                        | + | + | + | + | + | + | + | + | + | + | 10      |

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

M ..Missing tissue

+ ..Tissue examined microscopically

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Time Report Requested: 18:01:24

Route: GAVAGE

CAS Number: 7220-79-3

First Dose M/F: NA / NA

Species/Strain: Rat/F 344/N

Lab: BAT

F 344/N Rat Male  
0 MG/KG

|                               | DAY ON TEST |   |   |   |   |   |   |   |   |   | *TOTALS |
|-------------------------------|-------------|---|---|---|---|---|---|---|---|---|---------|
|                               | 0           | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |         |
| ANIMAL ID                     | 0           | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |         |
|                               | 1           | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 |         |
| Skin                          | +           | + | + | + | + | + | + | + | + | + | 10      |
| <b>Musculoskeletal System</b> |             |   |   |   |   |   |   |   |   |   |         |
| Bone                          | +           | + | + | + | + | + | + | + | + | + | 10      |
| <b>Nervous System</b>         |             |   |   |   |   |   |   |   |   |   |         |
| Brain                         | +           | + | + | + | + | + | + | + | + | + | 10      |
| <b>Respiratory System</b>     |             |   |   |   |   |   |   |   |   |   |         |
| Lung                          | +           | + | + | + | + | + | + | + | + | + | 10      |
| Nose                          | +           | + | + | + | + | + | + | + | + | + | 10      |
| Trachea                       | +           | + | + | + | + | + | + | + | + | + | 10      |
| <b>Special Senses System</b>  |             |   |   |   |   |   |   |   |   |   |         |
| NONE                          |             |   |   |   |   |   |   |   |   |   |         |
| <b>Urinary System</b>         |             |   |   |   |   |   |   |   |   |   |         |
| Kidney                        | +           | + | + | + | + | + | + | + | + | + | 10      |
| Urinary Bladder               | +           | + | + | + | + | + | + | + | + | + | 10      |
| <b>SYSTEMIC LESIONS</b>       |             |   |   |   |   |   |   |   |   |   |         |
| Multiple Organ                | +           | + | + | + | + | + | + | + | + | + | 10      |

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

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

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Test Type: 90-DAY

Test Compound: Methylene blue trihydrate

Time Report Requested: 18:01:24

Route: GAVAGE

CAS Number: 7220-79-3

First Dose M/F: NA / NA

Species/Strain: Rat/F 344/N

Lab: BAT

F 344/N Rat Male  
25 MG/KG

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

Alimentary System

|                           |  |  |  |  |  |  |  |  |  |  |  |   |   |   |
|---------------------------|--|--|--|--|--|--|--|--|--|--|--|---|---|---|
| Esophagus                 |  |  |  |  |  |  |  |  |  |  |  | + |   | 1 |
| Intestine Large, Cecum    |  |  |  |  |  |  |  |  |  |  |  |   | + | 1 |
| Intestine Large, Colon    |  |  |  |  |  |  |  |  |  |  |  |   | + | 1 |
| Intestine Large, Rectum   |  |  |  |  |  |  |  |  |  |  |  |   | + | 1 |
| Intestine Small, Duodenum |  |  |  |  |  |  |  |  |  |  |  |   | + | 1 |
| Intestine Small, Ileum    |  |  |  |  |  |  |  |  |  |  |  |   | + | 1 |
| Intestine Small, Jejunum  |  |  |  |  |  |  |  |  |  |  |  |   | + | 1 |
| Liver                     |  |  |  |  |  |  |  |  |  |  |  | + | + | 2 |
| Pancreas                  |  |  |  |  |  |  |  |  |  |  |  |   | + | 1 |
| Salivary Glands           |  |  |  |  |  |  |  |  |  |  |  |   | + | 1 |
| Stomach, Forestomach      |  |  |  |  |  |  |  |  |  |  |  |   | + | 1 |
| Stomach, Glandular        |  |  |  |  |  |  |  |  |  |  |  |   | + | 1 |

Cardiovascular System

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

Endocrine System

|                    |  |  |  |  |  |  |  |  |  |  |  |  |  |   |   |
|--------------------|--|--|--|--|--|--|--|--|--|--|--|--|--|---|---|
| Adrenal Cortex     |  |  |  |  |  |  |  |  |  |  |  |  |  | + | 1 |
| Adrenal Medulla    |  |  |  |  |  |  |  |  |  |  |  |  |  | + | 1 |
| Islets, Pancreatic |  |  |  |  |  |  |  |  |  |  |  |  |  | + | 1 |
| Parathyroid Gland  |  |  |  |  |  |  |  |  |  |  |  |  |  | + | 1 |

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

M ..Missing tissue

+ ..Tissue examined microscopically

A ..Autolysis precludes evaluation

X ..Lesion present

BLANK ..Not examined microscopically

I ..Insufficient tissue

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Date Report Requested: 10/15/2014

Test Type: 90-DAY

Test Compound: Methylene blue trihydrate

Time Report Requested: 18:01:24

Route: GAVAGE

CAS Number: 7220-79-3

First Dose M/F: NA / NA

Species/Strain: Rat/F 344/N

Lab: BAT

F 344/N Rat Male  
25 MG/KG

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

|                 |   |   |
|-----------------|---|---|
| Pituitary Gland | + | 1 |
| Thyroid Gland   | + | 1 |

General Body System

NONE

Genital System

|                 |   |   |
|-----------------|---|---|
| Epididymis      | + | 1 |
| Preputial Gland | + | 1 |
| Prostate        | + | 1 |
| Seminal Vesicle | + | 1 |
| Testes          | + | 1 |

Hematopoietic System

|                        |   |   |   |   |   |   |   |   |   |    |
|------------------------|---|---|---|---|---|---|---|---|---|----|
| Bone Marrow            | + | + | + | + | + | + | + | + | + | 10 |
| Lymph Node, Mandibular |   |   |   |   |   |   | + |   |   | 1  |
| Lymph Node, Mesenteric |   |   |   |   |   |   | + |   |   | 1  |
| Spleen                 | + | + | + | + | + | + | + | + | + | 10 |
| Thymus                 |   |   |   |   |   |   | + |   |   | 1  |

Integumentary System

|               |   |   |
|---------------|---|---|
| Mammary Gland | + | 1 |
| Skin          | + | 1 |

Musculoskeletal System

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

M ..Missing tissue

+ ..Tissue examined microscopically

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CAS Number: 7220-79-3

First Dose M/F: NA / NA

Species/Strain: Rat/F 344/N

Lab: BAT

F 344/N Rat Male  
25 MG/KG

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

\*TOTALS

|                              |  |  |  |  |  |  |  |  |  |  |   |   |   |   |   |   |   |   |   |   |    |
|------------------------------|--|--|--|--|--|--|--|--|--|--|---|---|---|---|---|---|---|---|---|---|----|
| Bone                         |  |  |  |  |  |  |  |  |  |  | + | 1 |   |   |   |   |   |   |   |   |    |
| <b>Nervous System</b>        |  |  |  |  |  |  |  |  |  |  |   |   |   |   |   |   |   |   |   |   |    |
| Brain                        |  |  |  |  |  |  |  |  |  |  | + | 1 |   |   |   |   |   |   |   |   |    |
| <b>Respiratory System</b>    |  |  |  |  |  |  |  |  |  |  |   |   |   |   |   |   |   |   |   |   |    |
| Lung                         |  |  |  |  |  |  |  |  |  |  | + | 1 |   |   |   |   |   |   |   |   |    |
| Nose                         |  |  |  |  |  |  |  |  |  |  | + | 1 |   |   |   |   |   |   |   |   |    |
| Trachea                      |  |  |  |  |  |  |  |  |  |  | + | 1 |   |   |   |   |   |   |   |   |    |
| <b>Special Senses System</b> |  |  |  |  |  |  |  |  |  |  |   |   |   |   |   |   |   |   |   |   |    |
| NONE                         |  |  |  |  |  |  |  |  |  |  |   |   |   |   |   |   |   |   |   |   |    |
| <b>Urinary System</b>        |  |  |  |  |  |  |  |  |  |  |   |   |   |   |   |   |   |   |   |   |    |
| Kidney                       |  |  |  |  |  |  |  |  |  |  | + | 1 |   |   |   |   |   |   |   |   |    |
| Urinary Bladder              |  |  |  |  |  |  |  |  |  |  | + | 1 |   |   |   |   |   |   |   |   |    |
| <b>SYSTEMIC LESIONS</b>      |  |  |  |  |  |  |  |  |  |  |   |   |   |   |   |   |   |   |   |   |    |
| Multiple Organ               |  |  |  |  |  |  |  |  |  |  | + | + | + | + | + | + | + | + | + | + | 10 |

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

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CAS Number: 7220-79-3

First Dose M/F: NA / NA

Species/Strain: Rat/F 344/N

Lab: BAT

F 344/N Rat Male  
50 MG/KG

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

Alimentary System

NONE

Cardiovascular System

NONE

Endocrine System

NONE

General Body System

NONE

Genital System

NONE

Hematopoietic System

|             |   |   |   |   |   |   |   |   |   |   |    |
|-------------|---|---|---|---|---|---|---|---|---|---|----|
| Bone Marrow | + | + | + | + | + | + | + | + | + | + | 10 |
| Spleen      | + | + | + | + | + | + | + | + | + | + | 10 |

Integumentary System

NONE

Musculoskeletal System

NONE

Nervous System

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

M ..Missing tissue

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Species/Strain: Rat/F 344/N

Lab: BAT

F 344/N Rat Male  
50 MG/KG

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

\*TOTALS

NONE

Respiratory System

Lung + 1

Special Senses System

NONE

Urinary System

NONE

SYSTEMIC LESIONS

Multiple Organ + + + + + + + + + + 10

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

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

Experiment Number: 91005-03

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Date Report Requested: 10/15/2014

Test Type: 90-DAY

Test Compound: Methylene blue trihydrate

Time Report Requested: 18:01:24

Route: GAVAGE

CAS Number: 7220-79-3

First Dose M/F: NA / NA

Species/Strain: Rat/F 344/N

Lab: BAT

F 344/N Rat Male  
100 MG/KG

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

Alimentary System

Liver + + 2

Cardiovascular System

NONE

Endocrine System

NONE

General Body System

NONE

Genital System

NONE

Hematopoietic System

Bone Marrow + + + + + + + + + + 10

Spleen + + + + + + + + + + 10

Integumentary System

NONE

Musculoskeletal System

NONE

Nervous System

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

M ..Missing tissue

+ ..Tissue examined microscopically

A ..Autolysis precludes evaluation

X ..Lesion present

BLANK ..Not examined microscopically

I ..Insufficient tissue

Experiment Number: 91005-03

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Date Report Requested: 10/15/2014

Test Type: 90-DAY

Test Compound: Methylene blue trihydrate

Time Report Requested: 18:01:24

Route: GAVAGE

CAS Number: 7220-79-3

First Dose M/F: NA / NA

Species/Strain: Rat/F 344/N

Lab: BAT

F 344/N Rat Male  
100 MG/KG

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

NONE

Respiratory System

NONE

Special Senses System

Eye

+

1

Urinary System

NONE

SYSTEMIC LESIONS

Multiple Organ

+ + + + + + + + + +

10

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

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

Experiment Number: 91005-03

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Date Report Requested: 10/15/2014

Test Type: 90-DAY

Test Compound: Methylene blue trihydrate

Time Report Requested: 18:01:24

Route: GAVAGE

CAS Number: 7220-79-3

First Dose M/F: NA / NA

Species/Strain: Rat/F 344/N

Lab: BAT

F 344/N Rat Male  
200 MG/KG

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

Alimentary System

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

Cardiovascular System

|              |   |   |   |   |   |   |   |   |   |   |    |
|--------------|---|---|---|---|---|---|---|---|---|---|----|
| Blood Vessel | + | + | + | + | + | + | + | + | + | + | 10 |
| Heart        | + | + | + | + | + | + | + | + | + | + | 10 |

Endocrine System

|                    |   |   |   |   |   |   |   |   |   |   |    |
|--------------------|---|---|---|---|---|---|---|---|---|---|----|
| Adrenal Cortex     | + | + | + | + | + | + | + | + | + | + | 10 |
| Adrenal Medulla    | + | + | + | + | + | + | + | + | + | + | 10 |
| Islets, Pancreatic | + | + | + | + | + | + | + | + | + | + | 10 |
| Parathyroid Gland  | + | M | M | M | + | + | + | + | + | + | 7  |

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

M ..Missing tissue

+ ..Tissue examined microscopically

A ..Autolysis precludes evaluation

X ..Lesion present

BLANK ..Not examined microscopically

I ..Insufficient tissue

Experiment Number: 91005-03

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Date Report Requested: 10/15/2014

Test Type: 90-DAY

Test Compound: Methylene blue trihydrate

Time Report Requested: 18:01:25

Route: GAVAGE

CAS Number: 7220-79-3

First Dose M/F: NA / NA

Species/Strain: Rat/F 344/N

Lab: BAT

F 344/N Rat Male  
200 MG/KG

| DAY ON TEST                   | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | *TOTALS |
|-------------------------------|---|---|---|---|---|---|---|---|---|---|---------|
|                               | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |         |
| ANIMAL ID                     | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |         |
|                               | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |         |
|                               | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |         |
|                               | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |         |
|                               | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |         |
|                               | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 |         |
|                               | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 |         |
| Pituitary Gland               | + | + | + | + | + | + | + | + | + | + | 10      |
| Thyroid Gland                 | + | + | + | + | + | + | + | + | + | + | 10      |
| <b>General Body System</b>    |   |   |   |   |   |   |   |   |   |   |         |
| NONE                          |   |   |   |   |   |   |   |   |   |   |         |
| <b>Genital System</b>         |   |   |   |   |   |   |   |   |   |   |         |
| Epididymis                    | + | + | + | + | + | + | + | + | + | + | 10      |
| Preputial Gland               | + | + | + | + | + | + | + | + | + | + | 10      |
| Prostate                      | + | + | + | + | + | + | + | + | + | + | 10      |
| Seminal Vesicle               | + | + | + | + | + | + | + | + | + | + | 10      |
| Testes                        | + | + | + | + | + | + | + | + | + | + | 10      |
| <b>Hematopoietic System</b>   |   |   |   |   |   |   |   |   |   |   |         |
| Bone Marrow                   | + | + | + | + | + | + | + | + | + | + | 10      |
| Lymph Node, Mandibular        | + | + | + | + | + | + | + | + | + | + | 10      |
| Lymph Node, Mesenteric        | + | + | + | + | + | + | + | + | + | + | 10      |
| Spleen                        | + | + | + | + | + | + | + | + | + | + | 10      |
| Thymus                        | + | + | + | + | + | + | + | + | + | + | 10      |
| <b>Integumentary System</b>   |   |   |   |   |   |   |   |   |   |   |         |
| Mammary Gland                 | + | + | + | + | + | + | + | + | + | + | 10      |
| Skin                          | + | + | + | + | + | + | + | + | + | + | 10      |
| <b>Musculoskeletal System</b> |   |   |   |   |   |   |   |   |   |   |         |

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

M ..Missing tissue

+ ..Tissue examined microscopically

A ..Autolysis precludes evaluation

X ..Lesion present

BLANK ..Not examined microscopically

I ..Insufficient tissue

Experiment Number: 91005-03

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Date Report Requested: 10/15/2014

Test Type: 90-DAY

Test Compound: Methylene blue trihydrate

Time Report Requested: 18:01:25

Route: GAVAGE

CAS Number: 7220-79-3

First Dose M/F: NA / NA

Species/Strain: Rat/F 344/N

Lab: BAT

F 344/N Rat Male  
200 MG/KG

| DAY ON TEST                  | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | ANIMAL ID      |
|------------------------------|---|---|---|---|---|---|---|---|---|---|----------------|
|                              | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |                |
|                              | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |                |
|                              | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |                |
|                              | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |                |
|                              | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |                |
|                              | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |                |
|                              | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 |                |
|                              | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | <b>*TOTALS</b> |
| Bone                         | + | + | + | + | + | + | + | + | + | + | 10             |
| <b>Nervous System</b>        |   |   |   |   |   |   |   |   |   |   |                |
| Brain                        | + | + | + | + | + | + | + | + | + | + | 10             |
| <b>Respiratory System</b>    |   |   |   |   |   |   |   |   |   |   |                |
| Lung                         | + | + | + | + | + | + | + | + | + | + | 10             |
| Nose                         | + | + | + | + | + | + | + | + | + | + | 10             |
| Trachea                      | + | + | + | + | + | + | + | + | + | + | 10             |
| <b>Special Senses System</b> |   |   |   |   |   |   |   |   |   |   |                |
| NONE                         |   |   |   |   |   |   |   |   |   |   |                |
| <b>Urinary System</b>        |   |   |   |   |   |   |   |   |   |   |                |
| Kidney                       | + | + | + | + | + | + | + | + | + | + | 10             |
| Urinary Bladder              | + | + | + | + | + | + | + | + | + | + | 10             |
| <b>SYSTEMIC LESIONS</b>      |   |   |   |   |   |   |   |   |   |   |                |
| Multiple Organ               | + | + | + | + | + | + | + | + | + | + | 10             |

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

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

M ..Missing tissue

+ ..Tissue examined microscopically

A ..Autolysis precludes evaluation

X ..Lesion present

BLANK ..Not examined microscopically

I ..Insufficient tissue

Experiment Number: 91005-03

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Date Report Requested: 10/15/2014

Test Type: 90-DAY

Test Compound: Methylene blue trihydrate

Time Report Requested: 18:01:25

Route: GAVAGE

CAS Number: 7220-79-3

First Dose M/F: NA / NA

Species/Strain: Rat/F 344/N

Lab: BAT

F 344/N Rat Female  
0 MG/KG

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

Alimentary System

|                           |   |   |   |   |   |   |   |   |   |   |    |
|---------------------------|---|---|---|---|---|---|---|---|---|---|----|
| Esophagus                 | + | + | + | + | + | + | + | + | + | + | 10 |
| Intestine Large, Cecum    | + | + | + | + | + | + | + | + | + | + | 10 |
| Intestine Large, Colon    | + | + | + | + | + | + | + | + | + | + | 10 |
| Intestine Large, Rectum   | + | + | + | + | + | + | + | + | + | + | 10 |
| Intestine Small, Duodenum | + | + | + | + | + | + | + | + | + | + | 10 |
| Intestine Small, Ileum    | + | + | + | + | + | + | + | + | + | + | 10 |
| Intestine Small, Jejunum  | + | + | + | + | + | + | + | + | + | + | 10 |
| Liver                     | + | + | + | + | + | + | + | + | + | + | 10 |
| Mesentery                 |   |   | + |   |   |   |   |   |   |   | 1  |
| Pancreas                  | + | + | + | + | + | + | + | + | + | + | 10 |
| Salivary Glands           | + | + | + | + | + | + | + | + | + | + | 10 |
| Stomach, Forestomach      | + | + | + | + | + | + | + | + | + | + | 10 |
| Stomach, Glandular        | + | + | + | + | + | + | + | + | + | + | 10 |

Cardiovascular System

|              |   |   |   |   |   |   |   |   |   |   |    |
|--------------|---|---|---|---|---|---|---|---|---|---|----|
| Blood Vessel | + | + | + | + | + | + | + | + | + | + | 10 |
| Heart        | + | + | + | + | + | + | + | + | + | + | 10 |

Endocrine System

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

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

M ..Missing tissue

+ ..Tissue examined microscopically

A ..Autolysis precludes evaluation

X ..Lesion present

BLANK ..Not examined microscopically

I ..Insufficient tissue

Experiment Number: 91005-03

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Date Report Requested: 10/15/2014

Test Type: 90-DAY

Test Compound: Methylene blue trihydrate

Time Report Requested: 18:01:25

Route: GAVAGE

CAS Number: 7220-79-3

First Dose M/F: NA / NA

Species/Strain: Rat/F 344/N

Lab: BAT

F 344/N Rat Female  
0 MG/KG

| DAY ON TEST                   | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | ANIMAL ID | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | *TOTALS |
|-------------------------------|---|---|---|---|---|---|---|---|---|---|-----------|---|---|---|---|---|---|---|---|---|---------|
|                               | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |           | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |         |
| 9                             | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 5         | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 6 |   |         |
| 2                             | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 1         | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 |         |
| Parathyroid Gland             | + | + | + | + | + | + | + | + | + | + |           |   |   |   |   |   |   |   |   |   | 10      |
| Pituitary Gland               | + | + | + | + | + | + | + | + | + | + |           |   |   |   |   |   |   |   |   |   | 10      |
| Thyroid Gland                 | + | + | + | + | + | + | + | + | + | + |           |   |   |   |   |   |   |   |   |   | 10      |
| <b>General Body System</b>    |   |   |   |   |   |   |   |   |   |   |           |   |   |   |   |   |   |   |   |   |         |
| NONE                          |   |   |   |   |   |   |   |   |   |   |           |   |   |   |   |   |   |   |   |   |         |
| <b>Genital System</b>         |   |   |   |   |   |   |   |   |   |   |           |   |   |   |   |   |   |   |   |   |         |
| Clitoral Gland                | + | + | + | + | + | + | + | + | + | + |           |   |   |   |   |   |   |   |   |   | 10      |
| Ovary                         | + | + | + | + | + | + | + | + | + | + |           |   |   |   |   |   |   |   |   |   | 10      |
| Uterus                        | + | + | + | + | + | + | + | + | + | + |           |   |   |   |   |   |   |   |   |   | 10      |
| <b>Hematopoietic System</b>   |   |   |   |   |   |   |   |   |   |   |           |   |   |   |   |   |   |   |   |   |         |
| Bone Marrow                   | + | + | + | + | + | + | + | + | + | + |           |   |   |   |   |   |   |   |   |   | 10      |
| Lymph Node, Mandibular        | + | + | + | + | + | + | + | + | + | + |           |   |   |   |   |   |   |   |   |   | 10      |
| Lymph Node, Mesenteric        | + | + | + | + | + | + | + | + | + | + |           |   |   |   |   |   |   |   |   |   | 10      |
| Spleen                        | + | + | + | + | + | + | + | + | + | + |           |   |   |   |   |   |   |   |   |   | 10      |
| Thymus                        | + | + | + | + | + | + | + | + | + | + |           |   |   |   |   |   |   |   |   |   | 10      |
| <b>Integumentary System</b>   |   |   |   |   |   |   |   |   |   |   |           |   |   |   |   |   |   |   |   |   |         |
| Mammary Gland                 | + | + | + | + | + | + | + | + | + | + |           |   |   |   |   |   |   |   |   |   | 10      |
| Skin                          | + | + | + | + | + | + | + | + | + | + |           |   |   |   |   |   |   |   |   |   | 10      |
| <b>Musculoskeletal System</b> |   |   |   |   |   |   |   |   |   |   |           |   |   |   |   |   |   |   |   |   |         |
| Bone                          | + | + | + | + | + | + | + | + | + | + |           |   |   |   |   |   |   |   |   |   | 10      |

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

M ..Missing tissue

+ ..Tissue examined microscopically

A ..Autolysis precludes evaluation

X ..Lesion present

BLANK ..Not examined microscopically

I ..Insufficient tissue



Experiment Number: 91005-03

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Date Report Requested: 10/15/2014

Test Type: 90-DAY

Test Compound: Methylene blue trihydrate

Time Report Requested: 18:01:25

Route: GAVAGE

CAS Number: 7220-79-3

First Dose M/F: NA / NA

Species/Strain: Rat/F 344/N

Lab: BAT

F 344/N Rat Female  
0 MG/KG

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

**Nervous System**

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

**Respiratory System**

|      |   |   |   |   |   |   |   |   |   |   |    |
|------|---|---|---|---|---|---|---|---|---|---|----|
| Lung | + | + | + | + | + | + | + | + | + | + | 10 |
|------|---|---|---|---|---|---|---|---|---|---|----|

|      |   |   |   |   |   |   |   |   |   |   |    |
|------|---|---|---|---|---|---|---|---|---|---|----|
| Nose | + | + | + | + | + | + | + | + | + | + | 10 |
|------|---|---|---|---|---|---|---|---|---|---|----|

|         |   |   |   |   |   |   |   |   |   |   |    |
|---------|---|---|---|---|---|---|---|---|---|---|----|
| Trachea | + | + | + | + | + | + | + | + | + | + | 10 |
|---------|---|---|---|---|---|---|---|---|---|---|----|

**Special Senses System**

NONE

**Urinary System**

|        |   |   |   |   |   |   |   |   |   |   |    |
|--------|---|---|---|---|---|---|---|---|---|---|----|
| Kidney | + | + | + | + | + | + | + | + | + | + | 10 |
|--------|---|---|---|---|---|---|---|---|---|---|----|

|                 |   |   |   |   |   |   |   |   |   |   |    |
|-----------------|---|---|---|---|---|---|---|---|---|---|----|
| Urinary Bladder | + | + | + | + | + | + | + | + | + | + | 10 |
|-----------------|---|---|---|---|---|---|---|---|---|---|----|

**SYSTEMIC LESIONS**

|                |   |   |   |   |   |   |   |   |   |   |    |
|----------------|---|---|---|---|---|---|---|---|---|---|----|
| Multiple Organ | + | + | + | + | + | + | + | + | + | + | 10 |
|----------------|---|---|---|---|---|---|---|---|---|---|----|

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

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

Experiment Number: 91005-03

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Date Report Requested: 10/15/2014

Test Type: 90-DAY

Test Compound: Methylene blue trihydrate

Time Report Requested: 18:01:25

Route: GAVAGE

CAS Number: 7220-79-3

First Dose M/F: NA / NA

Species/Strain: Rat/F 344/N

Lab: BAT

F 344/N Rat Female  
25 MG/KG

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

Alimentary System

NONE

Cardiovascular System

NONE

Endocrine System

NONE

General Body System

NONE

Genital System

NONE

Hematopoietic System

|             |   |   |   |   |   |   |   |   |   |   |    |
|-------------|---|---|---|---|---|---|---|---|---|---|----|
| Bone Marrow | + | + | + | + | + | + | + | + | + | + | 10 |
| Spleen      | + | + | + | + | + | + | + | + | + | + | 10 |

Integumentary System

NONE

Musculoskeletal System

NONE

Nervous System

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

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

Experiment Number: 91005-03

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Date Report Requested: 10/15/2014

Test Type: 90-DAY

Test Compound: Methylene blue trihydrate

Time Report Requested: 18:01:25

Route: GAVAGE

CAS Number: 7220-79-3

First Dose M/F: NA / NA

Species/Strain: Rat/F 344/N

Lab: BAT

F 344/N Rat Female  
25 MG/KG

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

NONE

Respiratory System

NONE

Special Senses System

NONE

Urinary System

NONE

SYSTEMIC LESIONS

Multiple Organ

+ + + + + + + + + +

10

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

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

Experiment Number: 91005-03

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Date Report Requested: 10/15/2014

Test Type: 90-DAY

Test Compound: Methylene blue trihydrate

Time Report Requested: 18:01:25

Route: GAVAGE

CAS Number: 7220-79-3

First Dose M/F: NA / NA

Species/Strain: Rat/F 344/N

Lab: BAT

F 344/N Rat Female  
50 MG/KG

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

Alimentary System

NONE

Cardiovascular System

NONE

Endocrine System

NONE

General Body System

NONE

Genital System

Ovary

+

1

Hematopoietic System

Bone Marrow

+ + + + + + + + + +

10

Spleen

+ + + + + + + + + +

10

Integumentary System

NONE

Musculoskeletal System

NONE

Nervous System

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

M ..Missing tissue

+ ..Tissue examined microscopically

A ..Autolysis precludes evaluation

X ..Lesion present

BLANK ..Not examined microscopically

I ..Insufficient tissue

Experiment Number: 91005-03

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Date Report Requested: 10/15/2014

Test Type: 90-DAY

Test Compound: Methylene blue trihydrate

Time Report Requested: 18:01:25

Route: GAVAGE

CAS Number: 7220-79-3

First Dose M/F: NA / NA

Species/Strain: Rat/F 344/N

Lab: BAT

F 344/N Rat Female  
50 MG/KG

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

\*TOTALS

NONE

Respiratory System

NONE

Special Senses System

NONE

Urinary System

NONE

SYSTEMIC LESIONS

Multiple Organ

+ + + + + + + + + +

10

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

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

Experiment Number: 91005-03

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Date Report Requested: 10/15/2014

Test Type: 90-DAY

Test Compound: Methylene blue trihydrate

Time Report Requested: 18:01:25

Route: GAVAGE

CAS Number: 7220-79-3

First Dose M/F: NA / NA

Species/Strain: Rat/F 344/N

Lab: BAT

F 344/N Rat Female  
100 MG/KG

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

Alimentary System

|                           |   |   |
|---------------------------|---|---|
| Esophagus                 | + | 1 |
| Intestine Large, Cecum    | + | 1 |
| Intestine Large, Colon    | + | 1 |
| Intestine Large, Rectum   | + | 1 |
| Intestine Small, Duodenum | + | 1 |
| Intestine Small, Ileum    | + | 1 |
| Intestine Small, Jejunum  | + | 1 |
| Liver                     | + | 2 |
| Pancreas                  | + | 1 |
| Salivary Glands           | + | 1 |
| Stomach, Forestomach      | + | 1 |
| Stomach, Glandular        | + | 1 |

Cardiovascular System

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

Endocrine System

|                    |   |   |
|--------------------|---|---|
| Adrenal Cortex     | + | 1 |
| Adrenal Medulla    | + | 1 |
| Islets, Pancreatic | + | 1 |
| Parathyroid Gland  | + | 1 |

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

M ..Missing tissue

+ ..Tissue examined microscopically

A ..Autolysis precludes evaluation

X ..Lesion present

BLANK ..Not examined microscopically

I ..Insufficient tissue

Experiment Number: 91005-03

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Date Report Requested: 10/15/2014

Test Type: 90-DAY

Test Compound: Methylene blue trihydrate

Time Report Requested: 18:01:25

Route: GAVAGE

CAS Number: 7220-79-3

First Dose M/F: NA / NA

Species/Strain: Rat/F 344/N

Lab: BAT

F 344/N Rat Female  
100 MG/KG

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

\*TOTALS

|                               |  |  |  |  |  |  |  |  |  |  |  |   |   |   |    |
|-------------------------------|--|--|--|--|--|--|--|--|--|--|--|---|---|---|----|
| Pituitary Gland               |  |  |  |  |  |  |  |  |  |  |  | + | 1 |   |    |
| Thyroid Gland                 |  |  |  |  |  |  |  |  |  |  |  |   | + | 1 |    |
| <b>General Body System</b>    |  |  |  |  |  |  |  |  |  |  |  |   |   |   |    |
| NONE                          |  |  |  |  |  |  |  |  |  |  |  |   |   |   |    |
| <b>Genital System</b>         |  |  |  |  |  |  |  |  |  |  |  |   |   |   |    |
| Ovary                         |  |  |  |  |  |  |  |  |  |  |  |   |   | + | 1  |
| Uterus                        |  |  |  |  |  |  |  |  |  |  |  |   |   | + | 1  |
| <b>Hematopoietic System</b>   |  |  |  |  |  |  |  |  |  |  |  |   |   |   |    |
| Bone Marrow                   |  |  |  |  |  |  |  |  |  |  |  |   |   | + | 10 |
| Lymph Node, Mandibular        |  |  |  |  |  |  |  |  |  |  |  |   |   | + | 1  |
| Lymph Node, Mesenteric        |  |  |  |  |  |  |  |  |  |  |  |   |   | M | 0  |
| Spleen                        |  |  |  |  |  |  |  |  |  |  |  |   |   | + | 10 |
| Thymus                        |  |  |  |  |  |  |  |  |  |  |  |   |   | + | 1  |
| <b>Integumentary System</b>   |  |  |  |  |  |  |  |  |  |  |  |   |   |   |    |
| Mammary Gland                 |  |  |  |  |  |  |  |  |  |  |  |   |   | + | 1  |
| Skin                          |  |  |  |  |  |  |  |  |  |  |  |   |   | + | 1  |
| <b>Musculoskeletal System</b> |  |  |  |  |  |  |  |  |  |  |  |   |   |   |    |
| Bone                          |  |  |  |  |  |  |  |  |  |  |  |   |   | + | 1  |
| <b>Nervous System</b>         |  |  |  |  |  |  |  |  |  |  |  |   |   |   |    |

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

M ..Missing tissue

+ ..Tissue examined microscopically

A ..Autolysis precludes evaluation

X ..Lesion present

BLANK ..Not examined microscopically

I ..Insufficient tissue

Experiment Number: 91005-03

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Date Report Requested: 10/15/2014

Test Type: 90-DAY

Test Compound: Methylene blue trihydrate

Time Report Requested: 18:01:25

Route: GAVAGE

CAS Number: 7220-79-3

First Dose M/F: NA / NA

Species/Strain: Rat/F 344/N

Lab: BAT

F 344/N Rat Female  
100 MG/KG

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

\*TOTALS

|                              |  |  |  |  |  |  |  |  |  |  |   |   |   |   |   |   |   |   |   |   |    |
|------------------------------|--|--|--|--|--|--|--|--|--|--|---|---|---|---|---|---|---|---|---|---|----|
| Brain                        |  |  |  |  |  |  |  |  |  |  | + | 1 |   |   |   |   |   |   |   |   |    |
| <b>Respiratory System</b>    |  |  |  |  |  |  |  |  |  |  |   |   |   |   |   |   |   |   |   |   |    |
| Lung                         |  |  |  |  |  |  |  |  |  |  | + | 1 |   |   |   |   |   |   |   |   |    |
| Nose                         |  |  |  |  |  |  |  |  |  |  | + | 1 |   |   |   |   |   |   |   |   |    |
| Trachea                      |  |  |  |  |  |  |  |  |  |  | + | 1 |   |   |   |   |   |   |   |   |    |
| <b>Special Senses System</b> |  |  |  |  |  |  |  |  |  |  |   |   |   |   |   |   |   |   |   |   |    |
| NONE                         |  |  |  |  |  |  |  |  |  |  |   |   |   |   |   |   |   |   |   |   |    |
| <b>Urinary System</b>        |  |  |  |  |  |  |  |  |  |  |   |   |   |   |   |   |   |   |   |   |    |
| Kidney                       |  |  |  |  |  |  |  |  |  |  | + | 1 |   |   |   |   |   |   |   |   |    |
| Urinary Bladder              |  |  |  |  |  |  |  |  |  |  | + | 1 |   |   |   |   |   |   |   |   |    |
| <b>SYSTEMIC LESIONS</b>      |  |  |  |  |  |  |  |  |  |  |   |   |   |   |   |   |   |   |   |   |    |
| Multiple Organ               |  |  |  |  |  |  |  |  |  |  | + | + | + | + | + | + | + | + | + | + | 10 |

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

M ..Missing tissue  
A ..Autolysis precludes evaluation  
BLANK ..Not examined microscopically



Experiment Number: 91005-03

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Date Report Requested: 10/15/2014

Test Type: 90-DAY

Test Compound: Methylene blue trihydrate

Time Report Requested: 18:01:25

Route: GAVAGE

CAS Number: 7220-79-3

First Dose M/F: NA / NA

Species/Strain: Rat/F 344/N

Lab: BAT

F 344/N Rat Female  
200 MG/KG

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

Alimentary System

|                           |   |   |   |   |   |   |   |   |   |   |    |
|---------------------------|---|---|---|---|---|---|---|---|---|---|----|
| Esophagus                 | + | + | + | + | + | + | + | + | + | + | 10 |
| Intestine Large, Cecum    | + | + | + | + | + | + | + | + | + | + | 10 |
| Intestine Large, Colon    | + | + | + | + | + | + | + | + | + | + | 10 |
| Intestine Large, Rectum   | + | + | + | + | + | + | + | + | + | + | 10 |
| Intestine Small, Duodenum | + | + | + | + | + | + | + | + | + | + | 10 |
| Intestine Small, Ileum    | + | + | + | M | + | + | + | + | + | + | 9  |
| Intestine Small, Jejunum  | + | + | + | + | + | + | + | + | + | + | 10 |
| Liver                     | + | + | + | + | + | + | + | + | + | + | 10 |
| Pancreas                  | + | + | + | + | + | + | + | + | + | + | 10 |
| Salivary Glands           | + | + | + | + | + | + | + | + | + | + | 10 |
| Stomach, Forestomach      | + | + | + | + | + | + | + | + | + | + | 10 |
| Stomach, Glandular        | + | + | + | + | + | + | + | + | + | + | 10 |

Cardiovascular System

|              |   |   |   |   |   |   |   |   |   |   |    |
|--------------|---|---|---|---|---|---|---|---|---|---|----|
| Blood Vessel | + | + | + | + | + | + | + | + | + | + | 10 |
| Heart        | + | + | + | + | + | + | + | + | + | + | 10 |

Endocrine System

|                    |   |   |   |   |   |   |   |   |   |   |    |
|--------------------|---|---|---|---|---|---|---|---|---|---|----|
| Adrenal Cortex     | + | + | + | + | + | + | + | + | + | + | 10 |
| Adrenal Medulla    | + | + | + | + | + | + | + | + | + | + | 10 |
| Islets, Pancreatic | + | + | + | + | + | + | + | + | + | + | 10 |
| Parathyroid Gland  | + | M | + | M | M | + | + | M | + | + | 6  |

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

M ..Missing tissue

+ ..Tissue examined microscopically

A ..Autolysis precludes evaluation

X ..Lesion present

BLANK ..Not examined microscopically

I ..Insufficient tissue

Experiment Number: 91005-03

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Date Report Requested: 10/15/2014

Test Type: 90-DAY

Test Compound: Methylene blue trihydrate

Time Report Requested: 18:01:25

Route: GAVAGE

CAS Number: 7220-79-3

First Dose M/F: NA / NA

Species/Strain: Rat/F 344/N

Lab: BAT

F 344/N Rat Female  
200 MG/KG

| DAY ON TEST                   | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | *TOTALS |
|-------------------------------|---|---|---|---|---|---|---|---|---|---|---------|
|                               | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |         |
| ANIMAL ID                     | 1 | 9 | 2 | 9 | 9 | 7 | 2 | 9 | 9 | 9 |         |
|                               | 4 | 2 | 7 | 2 | 2 | 1 | 7 | 2 | 2 | 2 |         |
| Pituitary Gland               | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10      |
| Thyroid Gland                 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10      |
| <b>General Body System</b>    | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |         |
| NONE                          | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 0 |         |
| <b>Genital System</b>         | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 |         |
| Clitoral Gland                | + | + | + | + | + | + | + | + | + | + | 10      |
| Ovary                         | + | + | + | + | + | + | + | + | + | + | 10      |
| Uterus                        | + | + | + | + | + | + | + | + | + | + | 10      |
| <b>Hematopoietic System</b>   |   |   |   |   |   |   |   |   |   |   |         |
| Bone Marrow                   | + | + | + | + | + | + | + | + | + | + | 10      |
| Lymph Node, Mandibular        | + | + | + | + | + | + | + | + | M | + | 9       |
| Lymph Node, Mesenteric        | + | + | + | + | + | + | + | + | + | + | 10      |
| Spleen                        | + | + | + | + | + | + | + | + | + | + | 10      |
| Thymus                        | + | + | + | + | + | + | + | + | + | + | 10      |
| <b>Integumentary System</b>   |   |   |   |   |   |   |   |   |   |   |         |
| Mammary Gland                 | + | + | + | + | + | + | + | + | + | + | 10      |
| Skin                          | + | + | + | + | + | + | + | + | + | + | 10      |
| <b>Musculoskeletal System</b> |   |   |   |   |   |   |   |   |   |   |         |
| Bone                          | + | + | + | + | + | + | + | + | + | + | 10      |

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

M ..Missing tissue

+ ..Tissue examined microscopically

A ..Autolysis precludes evaluation

X ..Lesion present

BLANK ..Not examined microscopically

I ..Insufficient tissue

Experiment Number: 91005-03

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Date Report Requested: 10/15/2014

Test Type: 90-DAY

Test Compound: Methylene blue trihydrate

Time Report Requested: 18:01:25

Route: GAVAGE

CAS Number: 7220-79-3

First Dose M/F: NA / NA

Species/Strain: Rat/F 344/N

Lab: BAT

F 344/N Rat Female  
200 MG/KG

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

**Nervous System**

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

**Respiratory System**

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

**Special Senses System**

NONE

**Urinary System**

|                 |   |   |   |   |   |   |   |   |   |   |    |
|-----------------|---|---|---|---|---|---|---|---|---|---|----|
| Kidney          | + | + | + | + | + | + | + | + | + | + | 10 |
| Urinary Bladder | + | + | + | + | + | + | + | + | + | + | 10 |

**SYSTEMIC LESIONS**

|                |   |   |   |   |   |   |   |   |   |   |    |
|----------------|---|---|---|---|---|---|---|---|---|---|----|
| Multiple Organ | + | + | + | + | + | + | + | + | + | + | 10 |
|----------------|---|---|---|---|---|---|---|---|---|---|----|

\*\* END OF REPORT \*\*

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

M ..Missing tissue  
A ..Autolysis precludes evaluation  
BLANK ..Not examined microscopically