

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

P02: INCIDENCE RATES OF NEOPLASMS BY ANATOMIC SITE (a)

Test Compound: Methylene blue trihydrate

CAS Number: 7220-79-3

Date Report Requested: 10/21/2014

Time Report Requested: 08:55:53

First Dose M/F: NA / NA

Lab: BAT

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

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First Dose M/F: NA / NA

Lab: BAT

| B6C3F1 Mouse MALE | 0 G/KG | 0.125 G/KG | 0.25 G/KG | 0.5 G/KG | 1.0 G/KG | 2.0 G/KG |
|----------------------------------|--------|------------|-----------|----------|----------|----------|
| Disposition Summary | | | | | | |
| Animals Initially In Study | 10 | 10 | 10 | 10 | 10 | 10 |
| Early Deaths | | | | | | |
| Moribund Sacrifice | | | 1 | 2 | 4 | 1 |
| Natural Death | | | 1 | 8 | 6 | 9 |
| Survivors | | | | | | |
| Terminal Sacrifice | 10 | 10 | 8 | | | |
| Animals Examined Microscopically | 10 | 10 | 10 | 10 | 10 | 10 |
| ALIMENTARY SYSTEM | | | | | | |
| Esophagus | (10) | (0) | (10) | (10) | (10) | (10) |
| Gallbladder | (10) | (0) | (8) | (9) | (10) | (10) |
| Intestine Large, Cecum | (10) | (0) | (10) | (10) | (10) | (10) |
| Intestine Large, Colon | (10) | (0) | (10) | (9) | (10) | (10) |
| Intestine Large, Rectum | (10) | (0) | (10) | (10) | (10) | (10) |
| Intestine Small, Duodenum | (10) | (0) | (10) | (10) | (10) | (10) |
| Intestine Small, Ileum | (10) | (0) | (10) | (9) | (10) | (10) |
| Intestine Small, Jejunum | (10) | (0) | (10) | (10) | (10) | (10) |
| Liver | (10) | (10) | (10) | (10) | (10) | (10) |
| Pancreas | (10) | (0) | (10) | (10) | (10) | (10) |
| Salivary Glands | (10) | (0) | (10) | (10) | (10) | (10) |
| Stomach, Forestomach | (10) | (10) | (10) | (10) | (10) | (10) |
| Stomach, Glandular | (10) | (0) | (10) | (10) | (9) | (10) |
| CARDIOVASCULAR SYSTEM | | | | | | |
| Blood Vessel | (10) | (0) | (10) | (10) | (10) | (10) |
| Heart | (10) | (10) | (10) | (10) | (10) | (10) |
| ENDOCRINE SYSTEM | | | | | | |

a - Number of animals examined microscopically at site and number of animals with lesion

b - Primary tumors: all tumors except metastatic tumors

* Number of animals with any tissue examined microscopically

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First Dose M/F: NA / NA

Lab: BAT

| B6C3F1 Mouse MALE | 0 G/KG | 0.125 G/KG | 0.25 G/KG | 0.5 G/KG | 1.0 G/KG | 2.0 G/KG |
|------------------------|--------|------------|-----------|----------|----------|----------|
| Adrenal Cortex | (10) | (0) | (10) | (10) | (10) | (10) |
| Adrenal Medulla | (10) | (0) | (10) | (10) | (10) | (9) |
| Islets, Pancreatic | (10) | (0) | (10) | (10) | (10) | (10) |
| Parathyroid Gland | (9) | (0) | (7) | (8) | (8) | (6) |
| Pituitary Gland | (9) | (0) | (10) | (10) | (10) | (10) |
| Thyroid Gland | (10) | (0) | (10) | (10) | (10) | (10) |
| GENERAL BODY SYSTEM | | | | | | |
| None | | | | | | |
| GENITAL SYSTEM | | | | | | |
| Epididymis | (10) | (0) | (10) | (10) | (10) | (10) |
| Preputial Gland | (10) | (0) | (10) | (10) | (10) | (10) |
| Prostate | (10) | (0) | (10) | (10) | (10) | (10) |
| Seminal Vesicle | (10) | (0) | (10) | (10) | (10) | (10) |
| Testes | (10) | (0) | (10) | (10) | (10) | (10) |
| HEMATOPOIETIC SYSTEM | | | | | | |
| Bone Marrow | (10) | (10) | (10) | (10) | (10) | (10) |
| Lymph Node, Mandibular | (10) | (9) | (9) | (9) | (8) | (8) |
| Lymph Node, Mesenteric | (10) | (10) | (10) | (9) | (9) | (10) |
| Spleen | (10) | (10) | (10) | (10) | (10) | (10) |
| Thymus | (10) | (10) | (10) | (10) | (9) | (10) |
| INTEGUMENTARY SYSTEM | | | | | | |
| Skin | (10) | (0) | (10) | (10) | (10) | (10) |
| MUSCULOSKELETAL SYSTEM | | | | | | |
| Bone | (10) | (1) | (10) | (10) | (10) | (10) |
| NERVOUS SYSTEM | | | | | | |
| Brain | (10) | (0) | (10) | (10) | (10) | (10) |

a - Number of animals examined microscopically at site and number of animals with lesion

b - Primary tumors: all tumors except metastatic tumors

* Number of animals with any tissue examined microscopically

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Time Report Requested: 08:55:53
First Dose M/F: NA / NA
Lab: BAT

| B6C3F1 Mouse MALE | 0 G/KG | 0.125 G/KG | 0.25 G/KG | 0.5 G/KG | 1.0 G/KG | 2.0 G/KG |
|------------------------------|---------------|-------------------|------------------|-----------------|-----------------|-----------------|
| Peripheral Nerve | (0) | (0) | (1) | (2) | (4) | (0) |
| Spinal Cord | (0) | (0) | (1) | (2) | (4) | (0) |
| RESPIRATORY SYSTEM | | | | | | |
| Lung | (10) | (0) | (10) | (10) | (10) | (10) |
| Nose | (10) | (0) | (10) | (10) | (10) | (10) |
| Trachea | (10) | (0) | (10) | (10) | (10) | (10) |
| SPECIAL SENSES SYSTEM | | | | | | |
| Eye | (0) | (0) | (0) | (2) | (0) | (3) |
| URINARY SYSTEM | | | | | | |
| Kidney | (10) | (10) | (10) | (10) | (9) | (10) |
| Urinary Bladder | (10) | (10) | (10) | (9) | (8) | (10) |

a - Number of animals examined microscopically at site and number of animals with lesion

b - Primary tumors: all tumors except metastatic tumors

* Number of animals with any tissue examined microscopically

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Route: GAVAGE
Species/Strain: Mouse/B6C3F1

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Time Report Requested: 08:55:53
First Dose M/F: NA / NA
Lab: BAT

| B6C3F1 Mouse MALE | 0 G/KG | 0.125 G/KG | 0.25 G/KG | 0.5 G/KG | 1.0 G/KG | 2.0 G/KG |
|--------------------------|---------------|-------------------|------------------|-----------------|-----------------|-----------------|
|--------------------------|---------------|-------------------|------------------|-----------------|-----------------|-----------------|

Tumor Summary for MALE

Total Animals with Primary Neoplasms (b)
Total Primary Neoplasms

Total Animals with Benign Neoplasms
Total Benign Neoplasms

Total Animals with Malignant Neoplasms
Total Malignant Neoplasms

Total Animals with Metastatic Neoplasms
Total Metastatic Neoplasms

**Total Animals with Malignant Neoplasms
Uncertain Primary Site**

**Total Animals with Neoplasms Uncertain -
Benign or Malignant**
Total Uncertain Neoplasms

END OF MALE DATA

a - Number of animals examined microscopically at site and number of animals with lesion

b - Primary tumors: all tumors except metastatic tumors

* Number of animals with any tissue examined microscopically

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Test Type: 18-33 DAYS

Route: GAVAGE

Species/Strain: Mouse/B6C3F1

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Time Report Requested: 08:55:53

First Dose M/F: NA / NA

Lab: BAT

| B6C3F1 Mouse FEMALE | 0 G/KG | 0.125 G/KG | 0.25 G/KG | 0.5 G/KG | 1.0 G/KG | 2.0 G/KG |
|----------------------------------|--------|------------|-----------|----------|----------|----------|
| Disposition Summary | | | | | | |
| Animals Initially In Study | 10 | 10 | 10 | 10 | 10 | 10 |
| Early Deaths | | | | | | |
| Moribund Sacrifice | | | 1 | 6 | | 3 |
| Natural Death | | | 1 | 4 | 10 | 7 |
| Survivors | | | | | | |
| Terminal Sacrifice | 10 | 10 | 8 | | | |
| Animals Examined Microscopically | 10 | 10 | 10 | 10 | 10 | 10 |
| ALIMENTARY SYSTEM | | | | | | |
| Esophagus | (10) | (0) | (10) | (10) | (10) | (10) |
| Gallbladder | (10) | (0) | (8) | (10) | (10) | (10) |
| Intestine Large, Cecum | (10) | (0) | (10) | (10) | (10) | (10) |
| Intestine Large, Colon | (10) | (0) | (10) | (10) | (10) | (10) |
| Intestine Large, Rectum | (10) | (0) | (10) | (10) | (10) | (10) |
| Intestine Small, Duodenum | (10) | (0) | (10) | (10) | (10) | (10) |
| Intestine Small, Ileum | (10) | (0) | (10) | (10) | (10) | (10) |
| Intestine Small, Jejunum | (10) | (0) | (10) | (10) | (10) | (10) |
| Liver | (10) | (10) | (10) | (10) | (10) | (10) |
| Pancreas | (10) | (0) | (10) | (10) | (10) | (10) |
| Salivary Glands | (10) | (0) | (10) | (10) | (10) | (10) |
| Stomach, Forestomach | (10) | (10) | (10) | (10) | (9) | (10) |
| Stomach, Glandular | (10) | (0) | (10) | (10) | (9) | (10) |
| CARDIOVASCULAR SYSTEM | | | | | | |
| Blood Vessel | (10) | (0) | (10) | (10) | (10) | (9) |
| Heart | (10) | (10) | (10) | (10) | (10) | (10) |
| ENDOCRINE SYSTEM | | | | | | |

a - Number of animals examined microscopically at site and number of animals with lesion

b - Primary tumors: all tumors except metastatic tumors

* Number of animals with any tissue examined microscopically

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First Dose M/F: NA / NA

Lab: BAT

| B6C3F1 Mouse FEMALE | 0 G/KG | 0.125 G/KG | 0.25 G/KG | 0.5 G/KG | 1.0 G/KG | 2.0 G/KG |
|-------------------------------|---------------|-------------------|------------------|-----------------|-----------------|-----------------|
| Adrenal Cortex | (10) | (0) | (10) | (10) | (10) | (10) |
| Adrenal Medulla | (10) | (0) | (10) | (10) | (10) | (10) |
| Islets, Pancreatic | (10) | (0) | (10) | (10) | (10) | (10) |
| Parathyroid Gland | (9) | (0) | (8) | (10) | (9) | (7) |
| Pituitary Gland | (9) | (0) | (10) | (9) | (9) | (10) |
| Thyroid Gland | (10) | (0) | (10) | (10) | (10) | (10) |
| GENERAL BODY SYSTEM | | | | | | |
| None | | | | | | |
| GENITAL SYSTEM | | | | | | |
| Clitoral Gland | (10) | (0) | (8) | (10) | (9) | (10) |
| Ovary | (10) | (1) | (10) | (10) | (9) | (10) |
| Uterus | (10) | (0) | (10) | (10) | (10) | (10) |
| HEMATOPOIETIC SYSTEM | | | | | | |
| Bone Marrow | (10) | (10) | (10) | (10) | (10) | (10) |
| Lymph Node, Mandibular | (10) | (10) | (9) | (8) | (8) | (10) |
| Lymph Node, Mesenteric | (10) | (10) | (9) | (10) | (8) | (9) |
| Spleen | (10) | (10) | (10) | (10) | (10) | (10) |
| Thymus | (10) | (10) | (10) | (10) | (10) | (10) |
| INTEGUMENTARY SYSTEM | | | | | | |
| Mammary Gland | (10) | (0) | (10) | (10) | (8) | (10) |
| Skin | (10) | (0) | (10) | (10) | (9) | (10) |
| MUSCULOSKELETAL SYSTEM | | | | | | |
| Bone | (10) | (0) | (10) | (10) | (10) | (10) |
| NERVOUS SYSTEM | | | | | | |
| Brain | (10) | (0) | (10) | (10) | (10) | (10) |
| Peripheral Nerve | (0) | (0) | (1) | (6) | (0) | (3) |

a - Number of animals examined microscopically at site and number of animals with lesion

b - Primary tumors: all tumors except metastatic tumors

* Number of animals with any tissue examined microscopically

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First Dose M/F: NA / NA
Lab: BAT

| B6C3F1 Mouse FEMALE | 0 G/KG | 0.125 G/KG | 0.25 G/KG | 0.5 G/KG | 1.0 G/KG | 2.0 G/KG |
|------------------------------|---------------|-------------------|------------------|-----------------|-----------------|-----------------|
| Spinal Cord | (0) | (0) | (1) | (6) | (0) | (3) |
| RESPIRATORY SYSTEM | | | | | | |
| Lung | (10) | (0) | (10) | (10) | (10) | (10) |
| Nose | (10) | (0) | (10) | (10) | (10) | (10) |
| Trachea | (10) | (0) | (10) | (10) | (10) | (10) |
| SPECIAL SENSES SYSTEM | | | | | | |
| Eye | (0) | (0) | (0) | (1) | (0) | (2) |
| URINARY SYSTEM | | | | | | |
| Kidney | (10) | (10) | (10) | (10) | (10) | (10) |
| Urinary Bladder | (9) | (10) | (9) | (10) | (10) | (10) |

a - Number of animals examined microscopically at site and number of animals with lesion

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First Dose M/F: NA / NA
Lab: BAT

B6C3F1 Mouse FEMALE

0 G/KG

0.125 G/KG

0.25 G/KG

0.5 G/KG

1.0 G/KG

2.0 G/KG

Tumor Summary for FEMALE

Total Animals with Primary Neoplasms (b)

Total Primary Neoplasms

Total Animals with Benign Neoplasms

Total Benign Neoplasms

Total Animals with Malignant Neoplasms

Total Malignant Neoplasms

Total Animals with Metastatic Neoplasms

Total Metastatic Neoplasms

**Total Animals with Malignant Neoplasms
Uncertain Primary Site**

**Total Animals with Neoplasms Uncertain -
Benign or Malignant**

Total Uncertain Neoplasms

**** END OF REPORT ****

a - Number of animals examined microscopically at site and number of animals with lesion

b - Primary tumors: all tumors except metastatic tumors

* Number of animals with any tissue examined microscopically