

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

**P05: INCIDENCE RATES OF NEOPLASMS BY ANATOMIC SITE (SYSTEMIC LESIONS
ABRIDGED) (a)**

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

Date Report Requested: 10/15/2014
Time Report Requested: 18:00:57
First Dose M/F: NA / NA
Lab: BAT

C Number: C91005B
Lock Date: 05/12/1994
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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P05: INCIDENCE RATES OF NEOPLASMS BY ANATOMIC SITE (SYSTEMIC LESIONS ABRIDGED) (a)

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First Dose M/F: NA / NA

Lab: BAT

F 344/N Rat MALE	0 MG/KG	25 MG/KG	50 MG/KG	100 MG/KG	200 MG/KG
Disposition Summary					
Animals Initially In Study	10	10	10	10	10
Early Deaths					
Dosing Accident		1			
Survivors					
Terminal Sacrifice	10	9	10	10	10
Animals Examined Microscopically	10	10	10	10	10
ALIMENTARY SYSTEM					
Esophagus	(10)	(1)	(0)	(0)	(10)
Intestine Large, Cecum	(10)	(1)	(0)	(0)	(10)
Intestine Large, Colon	(10)	(1)	(0)	(0)	(10)
Intestine Large, Rectum	(10)	(1)	(0)	(0)	(10)
Intestine Small, Duodenum	(10)	(1)	(0)	(0)	(10)
Intestine Small, Ileum	(10)	(1)	(0)	(0)	(10)
Intestine Small, Jejunum	(10)	(1)	(0)	(0)	(10)
Liver	(10)	(2)	(0)	(2)	(10)
Mesentery	(1)	(0)	(0)	(0)	(0)
Pancreas	(10)	(1)	(0)	(0)	(10)
Salivary Glands	(10)	(1)	(0)	(0)	(10)
Stomach, Forestomach	(10)	(1)	(0)	(0)	(10)
Stomach, Glandular	(10)	(1)	(0)	(0)	(10)
CARDIOVASCULAR SYSTEM					
Blood Vessel	(10)	(1)	(0)	(0)	(10)
Heart	(10)	(1)	(0)	(0)	(10)
ENDOCRINE SYSTEM					
Adrenal Cortex	(10)	(1)	(0)	(0)	(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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F 344/N Rat MALE	0 MG/KG	25 MG/KG	50 MG/KG	100 MG/KG	200 MG/KG
Adrenal Medulla	(10)	(1)	(0)	(0)	(10)
Islets, Pancreatic	(10)	(1)	(0)	(0)	(10)
Parathyroid Gland	(6)	(1)	(0)	(0)	(7)
Pituitary Gland	(10)	(1)	(0)	(0)	(10)
Thyroid Gland	(10)	(1)	(0)	(0)	(10)

GENERAL BODY SYSTEM

None

GENITAL SYSTEM

Epididymis	(10)	(1)	(0)	(0)	(10)
Preputial Gland	(10)	(1)	(0)	(0)	(10)
Prostate	(10)	(1)	(0)	(0)	(10)
Seminal Vesicle	(10)	(1)	(0)	(0)	(10)
Testes	(10)	(1)	(0)	(0)	(10)

HEMATOPOIETIC SYSTEM

Bone Marrow	(10)	(10)	(10)	(10)	(10)
Lymph Node	(1)	(0)	(0)	(0)	(0)
Lymph Node, Mandibular	(10)	(1)	(0)	(0)	(10)
Lymph Node, Mesenteric	(10)	(1)	(0)	(0)	(10)
Spleen	(10)	(10)	(10)	(10)	(10)
Thymus	(10)	(1)	(0)	(0)	(10)

INTEGUMENTARY SYSTEM

Mammary Gland	(10)	(1)	(0)	(0)	(10)
Skin	(10)	(1)	(0)	(0)	(10)

MUSCULOSKELETAL SYSTEM

Bone	(10)	(1)	(0)	(0)	(10)
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NERVOUS SYSTEM

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

b - Primary tumors: all tumors except metastatic tumors

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Lab: BAT

F 344/N Rat MALE	0 MG/KG	25 MG/KG	50 MG/KG	100 MG/KG	200 MG/KG
Brain	(10)	(1)	(0)	(0)	(10)
RESPIRATORY SYSTEM					
Lung	(10)	(1)	(1)	(0)	(10)
Nose	(10)	(1)	(0)	(0)	(10)
Trachea	(10)	(1)	(0)	(0)	(10)
SPECIAL SENSES SYSTEM					
Eye	(0)	(0)	(0)	(1)	(0)
URINARY SYSTEM					
Kidney	(10)	(1)	(0)	(0)	(10)
Urinary Bladder	(10)	(1)	(0)	(0)	(10)

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Lab: BAT

F 344/N Rat MALE

0 MG/KG

25 MG/KG

50 MG/KG

100 MG/KG

200 MG/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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Species/Strain: Rat/F 344/N

Lab: BAT

F 344/N Rat FEMALE	0 MG/KG	25 MG/KG	50 MG/KG	100 MG/KG	200 MG/KG
Disposition Summary					
Animals Initially In Study	10	10	10	10	10
Early Deaths					
Dosing Accident				1	4
Survivors					
Terminal Sacrifice	10	10	10	9	6
Animals Examined Microscopically	10	10	10	10	10
ALIMENTARY SYSTEM					
Esophagus	(10)	(0)	(0)	(1)	(10)
Intestine Large, Cecum	(10)	(0)	(0)	(1)	(10)
Intestine Large, Colon	(10)	(0)	(0)	(1)	(10)
Intestine Large, Rectum	(10)	(0)	(0)	(1)	(10)
Intestine Small, Duodenum	(10)	(0)	(0)	(1)	(10)
Intestine Small, Ileum	(10)	(0)	(0)	(1)	(9)
Intestine Small, Jejunum	(10)	(0)	(0)	(1)	(10)
Liver	(10)	(0)	(0)	(2)	(10)
Mesentery	(1)	(0)	(0)	(0)	(0)
Pancreas	(10)	(0)	(0)	(1)	(10)
Salivary Glands	(10)	(0)	(0)	(1)	(10)
Stomach, Forestomach	(10)	(0)	(0)	(1)	(10)
Stomach, Glandular	(10)	(0)	(0)	(1)	(10)
CARDIOVASCULAR SYSTEM					
Blood Vessel	(10)	(0)	(0)	(1)	(10)
Heart	(10)	(0)	(0)	(1)	(10)
ENDOCRINE SYSTEM					
Adrenal Cortex	(10)	(0)	(0)	(1)	(10)

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Adrenal Medulla	(10)	(0)	(0)	(1)	(10)
Islets, Pancreatic	(10)	(0)	(0)	(1)	(10)
Parathyroid Gland	(10)	(0)	(0)	(1)	(6)
Pituitary Gland	(10)	(0)	(0)	(1)	(10)
Thyroid Gland	(10)	(0)	(0)	(1)	(10)
GENERAL BODY SYSTEM					
None					
GENITAL SYSTEM					
Clitoral Gland	(10)	(0)	(0)	(0)	(10)
Ovary	(10)	(0)	(1)	(1)	(10)
Uterus	(10)	(0)	(0)	(1)	(10)
HEMATOPOIETIC SYSTEM					
Bone Marrow	(10)	(10)	(10)	(10)	(10)
Lymph Node, Mandibular	(10)	(0)	(0)	(1)	(9)
Lymph Node, Mesenteric	(10)	(0)	(0)	(0)	(10)
Spleen	(10)	(10)	(10)	(10)	(10)
Thymus	(10)	(0)	(0)	(1)	(10)
INTEGUMENTARY SYSTEM					
Mammary Gland	(10)	(0)	(0)	(1)	(10)
Skin	(10)	(0)	(0)	(1)	(10)
MUSCULOSKELETAL SYSTEM					
Bone	(10)	(0)	(0)	(1)	(10)
NERVOUS SYSTEM					
Brain	(10)	(0)	(0)	(1)	(10)
RESPIRATORY SYSTEM					

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Lung	(10)	(0)	(0)	(1)	(10)
Nose	(10)	(0)	(0)	(1)	(10)
Trachea	(10)	(0)	(0)	(1)	(10)

SPECIAL SENSES SYSTEM

None

URINARY SYSTEM

Kidney	(10)	(0)	(0)	(1)	(10)
Urinary Bladder	(10)	(0)	(0)	(1)	(10)

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F 344/N Rat FEMALE

0 MG/KG

25 MG/KG

50 MG/KG

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200 MG/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