

TDMS No. 20302 - 04

P05: INCIDENCE RATES OF NEOPLASMS BY ANATOMIC SITE (SYSTEMIC LESIONS ABRIDGED) (a)
ALPHA-PINENE

Date Report Reqsted: 11/17/2006

Test Type: 90-DAY

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

CAS Number: 80-56-8

Pathologist: GRUMBEIN, S. - LIEUALLEN, W.

Time Report Reqsted: 07:28:41

First Dose M/F: 03/28/05 / 03/28/05

Lab: BNW

F1_M3

C Number: C20302
Lock Date: 12/07/2005
Cage Range: ALL
Date Range: ALL
Reasons For Removal: ALL
Removal Date Range: ALL
Treatment Groups: Include ALL

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Lab: BNW

B6C3F1 MICE MALE	control	25 ppm	50 ppm	100 ppm	200 ppm	400 ppm
Disposition Summary						
Animals Initially in Study	10	10	10	10	10	10
Early Deaths						
Survivors						
Terminal Sacrifice	10	10	10	10	10	10
Animals Examined Microscopically	10	10	10	10	10	10
ALIMENTARY SYSTEM						
Gallbladder	(9)	(0)	(0)	(0)	(0)	(7)
Pancreas	(10)	(0)	(0)	(1)	(0)	(10)
CARDIOVASCULAR SYSTEM						
None						
ENDOCRINE SYSTEM						
Adrenal Cortex	(10)	(0)	(0)	(0)	(0)	(10)
GENERAL BODY SYSTEM						
None						
GENITAL SYSTEM						
None						
HEMATOPOIETIC SYSTEM						
None						
INTEGUMENTARY SYSTEM						

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

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B6C3F1 MICE MALE	control	25 ppm	50 ppm	100 ppm	200 ppm	400 ppm
None						
MUSCULOSKELETAL SYSTEM						
None						
NERVOUS SYSTEM						
None						
RESPIRATORY SYSTEM						
None						
SPECIAL SENSES SYSTEM						
None						
URINARY SYSTEM						
Kidney	(10)	(10)	(10)	(10)	(10)	(10)
Urinary Bladder	(10)	(10)	(10)	(10)	(10)	(10)

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

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Lab: BNW

B6C3F1 MICE MALE

control

25 ppm

50 ppm

100 ppm

200 ppm

400 ppm

Tumor Summary for Males

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 ***

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

b - Primary tumors: all tumors except metastatic tumors

Test Type: 90-DAY

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First Dose M/F: 03/28/05 / 03/28/05

Species/Strain: MICE/B6C3F1

Pathologist: GRUMBEIN, S. - LIEUALLEN, W.

Lab: BNW

B6C3F1 MICE FEMALE	control	25 ppm	50 ppm	100 ppm	200 ppm	400 ppm
Disposition Summary						
Animals Initially in Study	10	10	10	10	10	10
Early Deaths						
Survivors						
Terminal Sacrifice	10	10	10	10	10	10
Animals Examined Microscopically	10	10	10	10	10	10
ALIMENTARY SYSTEM						
Stomach, Glandular	(10)	(0)	(0)	(0)	(0)	(10)
CARDIOVASCULAR SYSTEM						
None						
ENDOCRINE SYSTEM						
None						
GENERAL BODY SYSTEM						
None						
GENITAL SYSTEM						
Ovary	(10)	(0)	(0)	(0)	(0)	(10)
Teratoma Benign	1 (10%)					
HEMATOPOIETIC SYSTEM						
None						
INTEGUMENTARY SYSTEM						

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

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Lab: BNW

B6C3F1 MICE FEMALE	control	25 ppm	50 ppm	100 ppm	200 ppm	400 ppm
None						
MUSCULOSKELETAL SYSTEM						
None						
NERVOUS SYSTEM						
None						
RESPIRATORY SYSTEM						
Lung	(10)	(0)	(0)	(0)	(0)	(10)
SPECIAL SENSES SYSTEM						
None						
URINARY SYSTEM						
Kidney	(10)	(10)	(10)	(10)	(10)	(10)
Urinary Bladder	(10)	(10)	(10)	(10)	(10)	(10)

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

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B6C3F1 MICE FEMALE	control	25 ppm	50 ppm	100 ppm	200 ppm	400 ppm
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Tumor Summary for Females

Total Animals with Primary Neoplasms (b) 1
 Total Primary Neoplasms 1

Total Animals with Benign Neoplasms 1
 Total Benign Neoplasms 1

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