

TDMS No. 20302 - 03

Test Type: 90-DAY

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

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

CAS Number: 80-56-8

Pathologist: GRUMBEIN, S. - LIEUALLEN, W. - RENNE, R. (past)

F1_R2

Date Report Reqsted: 11/17/2006

Time Report Reqsted: 07:28:13

First Dose M/F: 03/28/05 / 03/29/05

Lab: BNW

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

FISCHER 344 RATS 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						
Liver	(10)	(10)	(10)	(10)	(10)	(10)
Mesentery	(0)	(1)	(0)	(0)	(0)	(0)
Stomach, Glandular	(10)	(0)	(0)	(0)	(0)	(10)
CARDIOVASCULAR SYSTEM						
Heart	(10)	(0)	(0)	(0)	(0)	(10)
ENDOCRINE SYSTEM						
None						
GENERAL BODY SYSTEM						
None						
GENITAL SYSTEM						
Epididymis	(10)	(0)	(0)	(0)	(0)	(10)
HEMATOPOIETIC SYSTEM						
Lymph Node, Mediastinal	(7)	(0)	(0)	(0)	(0)	(4)
Lymph Node, Mesenteric	(10)	(0)	(0)	(0)	(0)	(10)

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

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FISCHER 344 RATS MALE	CONTROL	25 ppm	50 ppm	100 ppm	200 ppm	400 ppm
INTEGUMENTARY SYSTEM						
None						
MUSCULOSKELETAL SYSTEM						
None						
NERVOUS SYSTEM						
Brain	(10)	(0)	(0)	(0)	(0)	(10)
RESPIRATORY SYSTEM						
Lung	(10)	(0)	(0)	(0)	(0)	(10)
Pleura	(0)	(0)	(0)	(0)	(0)	(1)
SPECIAL SENSES SYSTEM						
Harderian Gland	(10)	(0)	(0)	(0)	(0)	(10)
URINARY SYSTEM						
Kidney	(10)	(10)	(10)	(10)	(10)	(10)

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FISCHER 344 RATS 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

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Species/Strain: RATS/F 344

Pathologist: GRUMBEIN, S. - LIEUALLEN, W. - RENNE, R. (past)

Lab: BNW

FISCHER 344 RATS 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						
Natural Death						6
Survivors						
Terminal Sacrifice	10	10	10	10	10	4
Animals Examined Microscopically	10	10	10	10	10	10
ALIMENTARY SYSTEM						
Mesentery	(1)	(1)	(3)	(0)	(0)	(0)
Tongue	(0)	(1)	(0)	(0)	(0)	(0)
CARDIOVASCULAR SYSTEM						
Heart	(10)	(0)	(0)	(0)	(10)	(10)
ENDOCRINE SYSTEM						
None						
GENERAL BODY SYSTEM						
None						
GENITAL SYSTEM						
Vagina	(0)	(1)	(0)	(0)	(0)	(0)
HEMATOPOIETIC SYSTEM						
Lymph Node, Bronchial	(1)	(0)	(0)	(0)	(0)	(0)
INTEGUMENTARY SYSTEM						

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Lab: BNW

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None						
MUSCULOSKELETAL SYSTEM						
None						
NERVOUS SYSTEM						
None						
RESPIRATORY SYSTEM						
Lung	(10)	(0)	(0)	(0)	(10)	(9)
SPECIAL SENSES SYSTEM						
Eye	(10)	(0)	(0)	(0)	(9)	(10)
URINARY SYSTEM						
Kidney	(10)	(10)	(10)	(10)	(10)	(10)

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Lab: BNW

FISCHER 344 RATS FEMALE

CONTROL

25 ppm

50 ppm

100 ppm

200 ppm

400 ppm

Tumor Summary for Females

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