

TDMS No. 20303 - 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)
VINYLIDENE CHLORIDE

CAS Number: 75-35-4

Pathologist: KOOISTRA, L. - GRUMBEIN, S.

F1_R2

Date Report Reqsted: 08/18/2006

Time Report Reqsted: 14:33:15

First Dose M/F: 10/11/04 / 10/12/04

Lab: BNW

C Number: C20303
Lock Date: 06/01/2005
Cage Range: ALL
Date Range: ALL
Reasons For Removal: ALL
Removal Date Range: ALL
Treatment Groups: Include ALL

Test Type: 90-DAY
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: RATS/F 344

| FISCHER 344 RATS MALE | Control | 6.25 ppm | 12.5 ppm | 25 ppm | 50 ppm | 100 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 | (1) | (0) | (0) | (0) | (0) | (0) |
| CARDIOVASCULAR SYSTEM | | | | | | |
| Heart | (10) | (0) | (0) | (0) | (0) | (10) |
| ENDOCRINE SYSTEM | | | | | | |
| None | | | | | | |
| 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

Test Type: 90-DAY
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: RATS/F 344

| FISCHER 344 RATS MALE | Control | 6.25 ppm | 12.5 ppm | 25 ppm | 50 ppm | 100 ppm |
|-------------------------------|----------------|-----------------|-----------------|---------------|---------------|----------------|
| Skin | (10) | (0) | (0) | (0) | (0) | (9) |
| MUSCULOSKELETAL SYSTEM | | | | | | |
| None | | | | | | |
| NERVOUS SYSTEM | | | | | | |
| None | | | | | | |
| RESPIRATORY SYSTEM | | | | | | |
| Lung | (10) | (10) | (10) | (10) | (10) | (10) |
| Nose | (10) | (10) | (10) | (10) | (10) | (10) |
| SPECIAL SENSES SYSTEM | | | | | | |
| None | | | | | | |
| URINARY SYSTEM | | | | | | |
| Kidney | (10) | (10) | (10) | (10) | (10) | (10) |

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

Test Type: 90-DAY
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: RATS/F 344

| FISCHER 344 RATS MALE | Control | 6.25 ppm | 12.5 ppm | 25 ppm | 50 ppm | 100 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
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: RATS/F 344

| FISCHER 344 RATS FEMALE | Control | 6.25 ppm | 12.5 ppm | 25 ppm | 50 ppm | 100 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) | (0) | (0) | (0) | (0) | (2) |
| Pancreas | (10) | (0) | (0) | (0) | (0) | (10) |
| CARDIOVASCULAR SYSTEM | | | | | | |
| Heart | (10) | (0) | (0) | (0) | (0) | (10) |
| ENDOCRINE SYSTEM | | | | | | |
| None | | | | | | |
| 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

Test Type: 90-DAY
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: RATS/F 344

| FISCHER 344 RATS FEMALE | Control | 6.25 ppm | 12.5 ppm | 25 ppm | 50 ppm | 100 ppm |
|--------------------------------|----------------|-----------------|-----------------|---------------|---------------|----------------|
| None | | | | | | |
| MUSCULOSKELETAL SYSTEM | | | | | | |
| None | | | | | | |
| NERVOUS SYSTEM | | | | | | |
| None | | | | | | |
| RESPIRATORY SYSTEM | | | | | | |
| Larynx | (10) | (0) | (0) | (0) | (0) | (10) |
| Lung | (10) | (10) | (10) | (10) | (10) | (10) |
| Nose | (10) | (10) | (10) | (10) | (10) | (10) |
| SPECIAL SENSES SYSTEM | | | | | | |
| Harderian Gland | (10) | (0) | (0) | (0) | (0) | (10) |
| URINARY SYSTEM | | | | | | |
| Kidney | (10) | (10) | (10) | (10) | (10) | (10) |

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

Test Type: 90-DAY
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: RATS/F 344

| FISCHER 344 RATS FEMALE | Control | 6.25 ppm | 12.5 ppm | 25 ppm | 50 ppm | 100 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