

Experiment Number: 07062 - 01

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

Date Report Requested: 04/17/2013

Test Type: 30-day

1020 Long Multiwalled Carbon Nanotube

Time Report Requested: 07:42:27

Route: RESPIRATORY EXPOSURE WHOLE BODY

CAS Number: L-MWNT-1020

First Dose M/F: 05/23/11 / 05/23/11

Species/Strain: RATS/HSD

Lab: BNW

F1_HSD

NTP Study Number: C07062
Lock Date: 03/30/2012
Cage Range: ALL
Date Range: ALL
Reasons For Removal: ALL
Removal Date Range: ALL
Treatment Groups: Include ALL
Study Gender: Both
TDMSE Version: 3.0.1.1_001
PWG Approval Date: NONE

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

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Species/Strain: RATS/HSD

Lab: BNW

Harlan Sprague Dawley RATS MALE

Control

0.1 mg/m3

0.3 mg/m3

1 mg/m3

3 mg/m3

10 mg/m3

Disposition Summary

Animals Initially In Study	35	35	35	35	35	35
Early Deaths						
Survivors						
Terminal Sacrifice	10	10	10	10	10	10
SSAC w/o Nec	25	25	25	25	25	25
Animals Examined Microscopically	10	10	10	10	10	10

ALIMENTARY SYSTEM

Liver	(0)	(1)	(0)	(0)	(0)	(0)
Pharynx	(10)	(10)	(10)	(10)	(10)	(10)

CARDIOVASCULAR SYSTEM

None

ENDOCRINE SYSTEM

None

GENERAL BODY SYSTEM

None

GENITAL SYSTEM

None

HEMATOPOIETIC SYSTEM

Lymph Node, Bronchial	(6)	(6)	(9)	(7)	(7)	(7)
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a - Number of animals examined microscopically at site and number of animals with lesion

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0.3 mg/m3

1 mg/m3

3 mg/m3

10 mg/m3

Lymph Node, Mediastinal

(7)

(9)

(10)

(9)

(9)

(10)

INTEGUMENTARY SYSTEM

None

MUSCULOSKELETAL SYSTEM

None

NERVOUS SYSTEM

None

RESPIRATORY SYSTEM

Larynx

(10)

(10)

(10)

(10)

(10)

(10)

Lung

(10)

(10)

(10)

(10)

(10)

(10)

Nose

(10)

(10)

(10)

(10)

(10)

(10)

Trachea

(9)

(10)

(10)

(10)

(10)

(10)

SPECIAL SENSES SYSTEM

None

URINARY SYSTEM

None

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Lab: BNW

Harlan Sprague Dawley RATS MALE

Control

0.1 mg/m3

0.3 mg/m3

1 mg/m3

3 mg/m3

10 mg/m3

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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Lab: BNW

Harlan Sprague Dawley RATS FEMALE	Control	0.1 mg/m3	0.3 mg/m3	1 mg/m3	3 mg/m3	10 mg/m3
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Disposition Summary

Animals Initially In Study	35	35	35	35	35	35
Early Deaths						
Survivors						
Terminal Sacrifice	10	10	10	10	10	10
SSAC w/o Nec	25	25	25	25	25	25
Animals Examined Microscopically	10	10	10	10	10	10

ALIMENTARY SYSTEM

Pharynx	(10)	(10)	(10)	(10)	(10)	(10)
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CARDIOVASCULAR SYSTEM

None

ENDOCRINE SYSTEM

None

GENERAL BODY SYSTEM

None

GENITAL SYSTEM

Uterus	(0)	(0)	(0)	(1)	(0)	(0)
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HEMATOPOIETIC SYSTEM

Lymph Node	(0)	(0)	(0)	(0)	(0)	(1)
Lymph Node, Bronchial	(7)	(6)	(4)	(6)	(7)	(9)

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Lymph Node, Mediastinal	(10)	(10)	(9)	(10)	(10)	(10)
<hr/>						
INTEGUMENTARY SYSTEM						
None						
<hr/>						
MUSCULOSKELETAL SYSTEM						
None						
<hr/>						
NERVOUS SYSTEM						
None						
<hr/>						
RESPIRATORY SYSTEM						
Larynx	(10)	(10)	(10)	(10)	(10)	(10)
Lung	(10)	(10)	(10)	(10)	(10)	(10)
Nose	(10)	(10)	(10)	(10)	(10)	(10)
Trachea	(8)	(10)	(10)	(10)	(10)	(10)
<hr/>						
SPECIAL SENSES SYSTEM						
None						
<hr/>						
URINARY SYSTEM						
None						
<hr/>						

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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 ***

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b - Primary tumors: all tumors except metastatic tumors