

Experiment Number: 20407 - 02

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

Date Report Requested: 02/05/2013

Test Type: 90-DAY

Nanoscale material (Fullerene-C60 50 nanometers)

Time Report Requested: 07:58:32

Route: RESPIRATORY EXPOSURE NASAL

CAS Number: 99685-96-8

First Dose M/F: 11/05/07 / 11/05/07

Species/Strain: MICE/B6C3F1

Lab: BNW

F2_M3

NTP Study Number: C20407
Lock Date: 02/24/2009
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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Species/Strain: MICE/B6C3F1

Lab: BNW

B6C3F1 MICE MALE

0 mg/m3

0.5 mg/m3

2.0 mg/m3

Disposition Summary

Animals Initially In Study	10	10	10
Early Deaths			
Survivors			
Terminal Sacrifice	10	10	10
Animals Examined Microscopically	10	10	10

ALIMENTARY SYSTEM

Esophagus	(10)	(0)	(10)
Gallbladder	(9)	(0)	(10)
Intestine Large, Cecum	(10)	(0)	(10)
Intestine Large, Colon	(10)	(0)	(10)
Intestine Large, Rectum	(10)	(0)	(10)
Intestine Small, Duodenum	(10)	(0)	(10)
Intestine Small, Ileum	(10)	(0)	(10)
Intestine Small, Jejunum	(10)	(0)	(10)
Liver	(10)	(0)	(10)
Pancreas	(10)	(0)	(10)
Salivary Glands	(10)	(0)	(10)
Stomach, Forestomach	(10)	(0)	(10)
Stomach, Glandular	(10)	(0)	(10)

CARDIOVASCULAR SYSTEM

Blood Vessel	(9)	(0)	(8)
Heart	(10)	(0)	(10)

ENDOCRINE SYSTEM

Adrenal Cortex	(10)	(0)	(10)
Adrenal Medulla	(10)	(0)	(10)
Islets, Pancreatic	(10)	(0)	(10)
Parathyroid Gland	(5)	(0)	(6)

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

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Lab: BNW

B6C3F1 MICE MALE

0 mg/m3

0.5 mg/m3

2.0 mg/m3

Pituitary Gland

(10)

(0)

(9)

Thyroid Gland

(10)

(0)

(10)

GENERAL BODY SYSTEM

None

GENITAL SYSTEM

Epididymis

(10)

(10)

(10)

Preputial Gland

(10)

(0)

(10)

Prostate

(9)

(0)

(10)

Seminal Vesicle

(10)

(0)

(10)

Testes

(10)

(10)

(10)

HEMATOPOIETIC SYSTEM

Bone Marrow

(10)

(0)

(10)

Lymph Node, Bronchial

(9)

(7)

(7)

Lymph Node, Mandibular

(7)

(0)

(8)

Lymph Node, Mediastinal

(0)

(0)

(2)

Lymph Node, Mesenteric

(10)

(0)

(10)

Spleen

(10)

(0)

(10)

Thymus

(10)

(0)

(10)

INTEGUMENTARY SYSTEM

Skin

(10)

(0)

(10)

MUSCULOSKELETAL SYSTEM

Bone

(10)

(0)

(10)

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

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Lab: BNW

B6C3F1 MICE MALE

0 mg/m3

0.5 mg/m3

2.0 mg/m3

NERVOUS SYSTEM

Brain	(10)	(0)	(10)
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RESPIRATORY SYSTEM

Larynx	(9)	(0)	(10)
Lung	(10)	(10)	(10)
Nose	(10)	(0)	(10)
Trachea	(10)	(0)	(10)

SPECIAL SENSES SYSTEM

Eye	(10)	(0)	(10)
Harderian Gland	(10)	(0)	(10)

URINARY SYSTEM

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

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

Experiment Number: 20407 - 02

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

Date Report Requested: 02/05/2013

Test Type: 90-DAY

Nanoscale material (Fullerene-C60 50 nanometers)

Time Report Requested: 07:58:32

Route: RESPIRATORY EXPOSURE NASAL

CAS Number: 99685-96-8

First Dose M/F: 11/05/07 / 11/05/07

Species/Strain: MICE/B6C3F1

Lab: BNW

B6C3F1 MICE MALE

0 mg/m3

0.5 mg/m3

2.0 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

Test Type: 90-DAY

Nanoscale material (Fullerene-C60 50 nanometers)

Time Report Requested: 07:58:32

Route: RESPIRATORY EXPOSURE NASAL

CAS Number: 99685-96-8

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Species/Strain: MICE/B6C3F1

Lab: BNW

B6C3F1 MICE FEMALE

0 mg/m3

0.5 mg/m3

2.0 mg/m3

Disposition Summary

Animals Initially In Study	10	10	10
Early Deaths			
Survivors			
Terminal Sacrifice	10	10	10
Animals Examined Microscopically	10	10	10

ALIMENTARY SYSTEM

Esophagus	(10)	(0)	(10)
Gallbladder	(8)	(0)	(10)
Intestine Large, Cecum	(10)	(0)	(10)
Intestine Large, Colon	(10)	(0)	(10)
Intestine Large, Rectum	(10)	(0)	(10)
Intestine Small, Duodenum	(10)	(0)	(10)
Intestine Small, Ileum	(10)	(0)	(10)
Intestine Small, Jejunum	(10)	(0)	(10)
Liver	(10)	(0)	(10)
Pancreas	(10)	(0)	(10)
Salivary Glands	(10)	(0)	(10)
Stomach, Forestomach	(10)	(0)	(10)
Stomach, Glandular	(10)	(0)	(10)

CARDIOVASCULAR SYSTEM

Blood Vessel	(10)	(0)	(10)
Heart	(10)	(0)	(10)

ENDOCRINE SYSTEM

Adrenal Cortex	(10)	(0)	(10)
Adrenal Medulla	(10)	(0)	(10)
Islets, Pancreatic	(10)	(0)	(10)
Parathyroid Gland	(6)	(0)	(9)

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Lab: BNW

B6C3F1 MICE FEMALE

0 mg/m3

0.5 mg/m3

2.0 mg/m3

Pituitary Gland

(9)

(0)

(10)

Thyroid Gland

(10)

(0)

(10)

GENERAL BODY SYSTEM

None

GENITAL SYSTEM

Clitoral Gland

(8)

(0)

(6)

Ovary

(10)

(0)

(10)

Uterus

(10)

(0)

(10)

HEMATOPOIETIC SYSTEM

Bone Marrow

(10)

(0)

(10)

Lymph Node, Bronchial

(10)

(7)

(10)

Lymph Node, Mandibular

(8)

(0)

(9)

Lymph Node, Mediastinal

(2)

(0)

(2)

Lymph Node, Mesenteric

(10)

(0)

(10)

Spleen

(10)

(0)

(10)

Thymus

(10)

(0)

(10)

INTEGUMENTARY SYSTEM

Mammary Gland

(10)

(0)

(10)

Skin

(10)

(0)

(10)

MUSCULOSKELETAL SYSTEM

Bone

(10)

(0)

(10)

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Lab: BNW

B6C3F1 MICE FEMALE	0 mg/m3	0.5 mg/m3	2.0 mg/m3
<hr/>			
NERVOUS SYSTEM			
Brain	(10)	(0)	(10)
<hr/>			
RESPIRATORY SYSTEM			
Larynx	(10)	(0)	(10)
Lung	(10)	(10)	(10)
Nose	(10)	(0)	(10)
Trachea	(10)	(0)	(10)
<hr/>			
SPECIAL SENSES SYSTEM			
Eye	(10)	(0)	(10)
Harderian Gland	(10)	(0)	(10)
<hr/>			
URINARY SYSTEM			
Kidney	(10)	(0)	(10)
Urinary Bladder	(10)	(0)	(10)

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Species/Strain: MICE/B6C3F1

Lab: BNW

B6C3F1 MICE FEMALE

0 mg/m3

0.5 mg/m3

2.0 mg/m3

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