

Experiment Number: 20316 - 02

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

Date Report Requested: 02/03/2014

Test Type: 90-DAY

Cedarwood oil

Time Report Requested: 08:27:53

Route: SKIN APPLICATION

CAS Number: 8000-27-9

First Dose M/F: 06/14/05 / 06/13/05

Species/Strain: MICE/B6C3F1

Lab: BAT

F1_Rev.1_M3

NTP Study Number: C20316
Lock Date: 03/06/2006
Cage Range: ALL
Date Range: ALL
Reasons For Removal: ALL
Removal Date Range: ALL
Treatment Groups: Include ALL
Study Gender: Both
TDMSE Version: 3.0.2.0_001
PWG Approval Date: NONE

Test Type: 90-DAY

Cedarwood oil

Time Report Requested: 08:27:53

Route: SKIN APPLICATION

CAS Number: 8000-27-9

First Dose M/F: 06/14/05 / 06/13/05

Species/Strain: MICE/B6C3F1

Lab: BAT

B6C3F1 MICE MALE	UNTREATED	0 %	6.25 %	12.5 %	25 %	50 %
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Disposition Summary

Animals Initially In Study	10	10	10	10	10	10
Early Deaths						
Moribund Sacrifice				1		1
Survivors						
Terminal Sacrifice	10	10	10	9	10	9
Animals Examined Microscopically	10	10	10	10	10	10

ALIMENTARY SYSTEM

Esophagus	(10)	(10)	(0)	(1)	(0)	(10)
Gallbladder	(10)	(10)	(0)	(1)	(0)	(10)
Intestine Large, Cecum	(10)	(10)	(0)	(1)	(0)	(10)
Intestine Large, Colon	(10)	(10)	(0)	(1)	(0)	(10)
Intestine Large, Rectum	(10)	(10)	(0)	(1)	(0)	(10)
Intestine Small, Duodenum	(10)	(10)	(0)	(1)	(0)	(10)
Intestine Small, Ileum	(10)	(10)	(0)	(1)	(0)	(10)
Intestine Small, Jejunum	(10)	(10)	(0)	(1)	(0)	(10)
Liver	(10)	(10)	(10)	(10)	(10)	(10)
Mesentery	(0)	(0)	(0)	(0)	(0)	(1)
Pancreas	(10)	(10)	(0)	(1)	(0)	(10)
Salivary Glands	(10)	(10)	(0)	(1)	(0)	(10)
Stomach, Forestomach	(10)	(10)	(0)	(1)	(0)	(10)
Stomach, Glandular	(10)	(10)	(0)	(1)	(0)	(10)

CARDIOVASCULAR SYSTEM

Blood Vessel	(10)	(10)	(0)	(1)	(0)	(10)
Heart	(10)	(10)	(0)	(1)	(0)	(10)

ENDOCRINE SYSTEM

Adrenal Cortex	(10)	(10)	(0)	(1)	(0)	(10)
Adrenal Medulla	(10)	(10)	(0)	(1)	(0)	(10)

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

Test Type: 90-DAY

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First Dose M/F: 06/14/05 / 06/13/05

Species/Strain: MICE/B6C3F1

Lab: BAT

B6C3F1 MICE MALE	UNTREATED	0 %	6.25 %	12.5 %	25 %	50 %
Islets, Pancreatic	(10)	(10)	(0)	(1)	(0)	(10)
Parathyroid Gland	(10)	(9)	(0)	(1)	(0)	(10)
Pituitary Gland	(10)	(10)	(0)	(1)	(0)	(10)
Thyroid Gland	(10)	(10)	(0)	(1)	(0)	(10)

GENERAL BODY SYSTEM

None

GENITAL SYSTEM

Coagulating Gland	(10)	(10)	(0)	(1)	(0)	(10)
Epididymis	(10)	(10)	(0)	(1)	(0)	(10)
Preputial Gland	(10)	(10)	(0)	(1)	(0)	(10)
Prostate	(10)	(10)	(0)	(1)	(0)	(10)
Seminal Vesicle	(10)	(10)	(0)	(1)	(0)	(10)
Testes	(10)	(10)	(0)	(1)	(0)	(10)

HEMATOPOIETIC SYSTEM

Bone Marrow	(10)	(10)	(10)	(10)	(10)	(10)
Lymph Node	(0)	(0)	(0)	(0)	(0)	(0)
Lymph Node, Mandibular	(10)	(10)	(10)	(10)	(9)	(10)
Lymph Node, Mesenteric	(10)	(10)	(0)	(1)	(0)	(10)
Spleen	(10)	(10)	(10)	(10)	(10)	(10)
Thymus	(10)	(10)	(10)	(10)	(10)	(10)

INTEGUMENTARY SYSTEM

Skin	(10)	(9)	(10)	(10)	(10)	(10)
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MUSCULOSKELETAL SYSTEM

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

Experiment Number: 20316 - 02

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

Date Report Requested: 02/03/2014

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Route: SKIN APPLICATION

CAS Number: 8000-27-9

First Dose M/F: 06/14/05 / 06/13/05

Species/Strain: MICE/B6C3F1

Lab: BAT

B6C3F1 MICE MALE	UNTREATED	0 %	6.25 %	12.5 %	25 %	50 %
Bone	(10)	(10)	(0)	(1)	(0)	(10)
NERVOUS SYSTEM						
Brain	(10)	(10)	(0)	(1)	(0)	(10)
RESPIRATORY SYSTEM						
Lung	(10)	(10)	(0)	(1)	(0)	(10)
Nose	(10)	(10)	(0)	(1)	(0)	(10)
Trachea	(10)	(10)	(0)	(1)	(0)	(10)
SPECIAL SENSES SYSTEM						
Eye	(10)	(10)	(0)	(1)	(0)	(10)
Harderian Gland	(10)	(10)	(0)	(1)	(0)	(10)
URINARY SYSTEM						
Kidney	(10)	(10)	(10)	(10)	(10)	(10)
Urinary Bladder	(10)	(10)	(0)	(1)	(0)	(10)

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

Test Type: 90-DAY

Cedarwood oil

Time Report Requested: 08:27:53

Route: SKIN APPLICATION

CAS Number: 8000-27-9

First Dose M/F: 06/14/05 / 06/13/05

Species/Strain: MICE/B6C3F1

Lab: BAT

B6C3F1 MICE MALE 100 %

Disposition Summary

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

ALIMENTARY SYSTEM

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

CARDIOVASCULAR SYSTEM

Blood Vessel	(10)
Heart	(10)

ENDOCRINE SYSTEM

Adrenal Cortex	(10)
Adrenal Medulla	(10)

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

Test Type: 90-DAY

Cedarwood oil

Time Report Requested: 08:27:53

Route: SKIN APPLICATION

CAS Number: 8000-27-9

First Dose M/F: 06/14/05 / 06/13/05

Species/Strain: MICE/B6C3F1

Lab: BAT

B6C3F1 MICE MALE **100 %**

Islets, Pancreatic	(10)
Parathyroid Gland	(10)
Pituitary Gland	(10)
Thyroid Gland	(10)

GENERAL BODY SYSTEM

None

GENITAL SYSTEM

Coagulating Gland	(10)
Epididymis	(10)
Preputial Gland	(10)
Prostate	(10)
Seminal Vesicle	(10)
Testes	(10)

HEMATOPOIETIC SYSTEM

Bone Marrow	(10)
Lymph Node	(9)
Lymph Node, Mandibular	(10)
Lymph Node, Mesenteric	(10)
Spleen	(10)
Thymus	(10)

INTEGUMENTARY SYSTEM

Skin	(10)
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MUSCULOSKELETAL SYSTEM

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

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

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Route: SKIN APPLICATION

CAS Number: 8000-27-9

First Dose M/F: 06/14/05 / 06/13/05

Species/Strain: MICE/B6C3F1

Lab: BAT

B6C3F1 MICE MALE 100 %

Bone (10)

NERVOUS SYSTEM

Brain (10)

RESPIRATORY SYSTEM

Lung (10)

Nose (10)

Trachea (10)

SPECIAL SENSES SYSTEM

Eye (10)

Harderian Gland (10)

URINARY SYSTEM

Kidney (10)

Urinary Bladder (10)

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

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Species/Strain: MICE/B6C3F1

Lab: BAT

B6C3F1 MICE MALE

UNTREATED

0 %

6.25 %

12.5 %

25 %

50 %

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

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

b - Primary tumors: all tumors except metastatic tumors

Experiment Number: 20316 - 02

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

Date Report Requested: 02/03/2014

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First Dose M/F: 06/14/05 / 06/13/05

Species/Strain: MICE/B6C3F1

Lab: BAT

B6C3F1 MICE MALE

100 %

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

Cedarwood oil

Time Report Requested: 08:27:53

Route: SKIN APPLICATION

CAS Number: 8000-27-9

First Dose M/F: 06/14/05 / 06/13/05

Species/Strain: MICE/B6C3F1

Lab: BAT

B6C3F1 MICE FEMALE	UNTREATED	0 %	6.25 %	12.5 %	25 %	50 %
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Disposition Summary

Animals Initially In Study	10	10	10	10	10	10
Early Deaths						
Moribund Sacrifice						1
Survivors						
Terminal Sacrifice	10	10	10	10	10	9
Animals Examined Microscopically	10	10	10	10	10	10

ALIMENTARY SYSTEM

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

CARDIOVASCULAR SYSTEM

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

ENDOCRINE SYSTEM

Adrenal Cortex	(10)	(10)	(0)	(0)	(0)	(10)
Adrenal Medulla	(10)	(10)	(0)	(0)	(0)	(10)
Islets, Pancreatic	(10)	(10)	(0)	(0)	(0)	(10)

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

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First Dose M/F: 06/14/05 / 06/13/05

Species/Strain: MICE/B6C3F1

Lab: BAT

B6C3F1 MICE FEMALE	UNTREATED	0 %	6.25 %	12.5 %	25 %	50 %
Parathyroid Gland	(9)	(9)	(0)	(0)	(0)	(8)
Pituitary Gland	(10)	(10)	(0)	(0)	(0)	(10)
Thyroid Gland	(10)	(10)	(0)	(0)	(0)	(10)
GENERAL BODY SYSTEM						
None						
GENITAL SYSTEM						
Clitoral Gland	(10)	(10)	(0)	(0)	(0)	(10)
Ovary	(10)	(10)	(0)	(0)	(0)	(10)
Uterus	(10)	(10)	(0)	(0)	(0)	(10)
HEMATOPOIETIC SYSTEM						
Bone Marrow	(10)	(10)	(10)	(10)	(10)	(10)
Lymph Node	(0)	(0)	(0)	(0)	(1)	(2)
Lymph Node, Mandibular	(10)	(10)	(10)	(10)	(10)	(10)
Lymph Node, Mesenteric	(10)	(10)	(0)	(0)	(0)	(10)
Spleen	(10)	(10)	(10)	(10)	(10)	(10)
Thymus	(10)	(10)	(10)	(10)	(10)	(10)
INTEGUMENTARY SYSTEM						
Mammary Gland	(10)	(10)	(0)	(0)	(0)	(10)
Skin	(10)	(10)	(10)	(10)	(10)	(10)
MUSCULOSKELETAL SYSTEM						
Bone	(10)	(10)	(0)	(0)	(0)	(10)

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

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

Date Report Requested: 02/03/2014

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Cedarwood oil

Time Report Requested: 08:27:53

Route: SKIN APPLICATION

CAS Number: 8000-27-9

First Dose M/F: 06/14/05 / 06/13/05

Species/Strain: MICE/B6C3F1

Lab: BAT

B6C3F1 MICE FEMALE	UNTREATED	0 %	6.25 %	12.5 %	25 %	50 %
NERVOUS SYSTEM						
Brain	(10)	(10)	(0)	(0)	(0)	(10)
RESPIRATORY SYSTEM						
Lung	(10)	(10)	(0)	(0)	(0)	(10)
Nose	(10)	(10)	(0)	(0)	(0)	(10)
Trachea	(10)	(10)	(0)	(0)	(0)	(10)
SPECIAL SENSES SYSTEM						
Eye	(10)	(10)	(0)	(0)	(0)	(10)
Harderian Gland	(10)	(10)	(0)	(0)	(0)	(10)
URINARY SYSTEM						
Kidney	(10)	(10)	(0)	(0)	(0)	(10)
Urinary Bladder	(10)	(10)	(0)	(0)	(0)	(10)

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

Experiment Number: 20316 - 02

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

Date Report Requested: 02/03/2014

Test Type: 90-DAY

Cedarwood oil

Time Report Requested: 08:27:53

Route: SKIN APPLICATION

CAS Number: 8000-27-9

First Dose M/F: 06/14/05 / 06/13/05

Species/Strain: MICE/B6C3F1

Lab: BAT

B6C3F1 MICE FEMALE 100 %

Disposition Summary

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

ALIMENTARY SYSTEM

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

CARDIOVASCULAR SYSTEM

Blood Vessel	(10)
Heart	(10)

ENDOCRINE SYSTEM

Adrenal Cortex	(10)
Adrenal Medulla	(10)
Islets, Pancreatic	(10)

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

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Species/Strain: MICE/B6C3F1

Lab: BAT

B6C3F1 MICE FEMALE

100 %

Parathyroid Gland	(9)
Pituitary Gland	(10)
Thyroid Gland	(10)

GENERAL BODY SYSTEM

None

GENITAL SYSTEM

Clitoral Gland	(10)
Ovary	(10)
Uterus	(10)

HEMATOPOIETIC SYSTEM

Bone Marrow	(10)
Lymph Node	(10)
Lymph Node, Mandibular	(10)
Lymph Node, Mesenteric	(10)
Spleen	(10)
Thymus	(10)

INTEGUMENTARY SYSTEM

Mammary Gland	(10)
Skin	(10)

MUSCULOSKELETAL SYSTEM

Bone	(10)
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Species/Strain: MICE/B6C3F1

Lab: BAT

B6C3F1 MICE FEMALE 100 %

NERVOUS SYSTEM

Brain (10)

RESPIRATORY SYSTEM

Lung (10)
Nose (10)
Trachea (10)

SPECIAL SENSES SYSTEM

Eye (10)
Harderian Gland (10)

URINARY SYSTEM

Kidney (10)
Urinary Bladder (10)

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

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Species/Strain: MICE/B6C3F1

Lab: BAT

B6C3F1 MICE FEMALE	UNTREATED	0 %	6.25 %	12.5 %	25 %	50 %
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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

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

b - Primary tumors: all tumors except metastatic tumors

Experiment Number: 20316 - 02

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Species/Strain: MICE/B6C3F1

Lab: BAT

B6C3F1 MICE FEMALE

100 %

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