

Experiment Number: 99037 - 03

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

Date Report Requested: 09/20/2016

Test Type: 90-DAY

alpha/beta Thujone mixture

Time Report Requested: 11:43:53

Route: GAVAGE

CAS Number: 76231-76-0

First Dose M/F: 08/13/02 / 08/12/02

Species/Strain: RATS/F 344/N

Lab: SRI

NTP Study Number: C99037B
Lock Date: 04/04/2003
Cage Range: ALL
Date Range: ALL
Reasons For Removal: ALL
Removal Date Range: ALL
Treatment Groups: Include ALL
Study Gender: Both
TDMSE Version: 3.0.2.3_002
PWG Approval Date: NONE

Test Type: 90-DAY

alpha/beta Thujone mixture

Time Report Requested: 11:43:53

Route: GAVAGE

CAS Number: 76231-76-0

First Dose M/F: 08/13/02 / 08/12/02

Species/Strain: RATS/F 344/N

Lab: SRI

FISCHER 344 RATS MALE	0 MG/KG	12.5 MG/KG	25 MG/KG	50 MG/KG	75 MG/KG	100 MG/KG
-----------------------	---------	------------	----------	----------	----------	-----------

Disposition Summary

Animals Initially In Study	10	10	10	10	10	10
Early Deaths						
Natural Death					2	7
Survivors						
Natural Death						1
Terminal Sacrifice	10	10	10	10	8	2
Animals Examined Microscopically	10	10	10	10	10	10

ALIMENTARY SYSTEM

Esophagus	(10)	(0)	(0)	(0)	(10)	(10)
Intestine Large, Cecum	(10)	(0)	(0)	(0)	(10)	(9)
Intestine Large, Colon	(10)	(0)	(0)	(0)	(9)	(9)
Intestine Large, Rectum	(10)	(0)	(0)	(0)	(10)	(9)
Intestine Small, Duodenum	(10)	(0)	(0)	(0)	(10)	(9)
Intestine Small, Ileum	(10)	(0)	(0)	(0)	(8)	(8)
Intestine Small, Jejunum	(10)	(0)	(0)	(0)	(8)	(6)
Liver	(10)	(3)	(0)	(2)	(10)	(10)
Mesentery	(1)	(0)	(0)	(0)	(0)	(0)
Pancreas	(10)	(0)	(0)	(0)	(10)	(10)
Salivary Glands	(10)	(0)	(0)	(0)	(10)	(10)
Stomach, Forestomach	(10)	(10)	(10)	(10)	(10)	(10)
Stomach, Glandular	(10)	(10)	(10)	(10)	(10)	(10)

CARDIOVASCULAR SYSTEM

Heart	(10)	(0)	(0)	(0)	(10)	(10)
-------	------	-----	-----	-----	------	------

ENDOCRINE SYSTEM

Adrenal Cortex	(10)	(10)	(10)	(10)	(10)	(10)
Adrenal Medulla	(10)	(0)	(10)	(10)	(10)	(10)
Parathyroid Gland	(10)	(0)	(0)	(0)	(10)	(10)

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

Test Type: 90-DAY

alpha/beta Thujone mixture

Time Report Requested: 11:43:53

Route: GAVAGE

CAS Number: 76231-76-0

First Dose M/F: 08/13/02 / 08/12/02

Species/Strain: RATS/F 344/N

Lab: SRI

FISCHER 344 RATS MALE	0 MG/KG	12.5 MG/KG	25 MG/KG	50 MG/KG	75 MG/KG	100 MG/KG
Pituitary Gland	(10)	(0)	(10)	(10)	(10)	(10)
Thyroid Gland	(10)	(0)	(0)	(0)	(10)	(10)

GENERAL BODY SYSTEM

None

GENITAL SYSTEM

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

HEMATOPOIETIC SYSTEM

Bone Marrow	(10)	(0)	(0)	(0)	(10)	(10)
Lymph Node	(0)	(0)	(0)	(0)	(0)	(2)
Lymph Node, Mandibular	(1)	(0)	(0)	(0)	(0)	(0)
Lymph Node, Mesenteric	(10)	(0)	(0)	(0)	(10)	(10)
Spleen	(10)	(0)	(0)	(0)	(10)	(10)
Thymus	(10)	(0)	(0)	(0)	(10)	(10)

INTEGUMENTARY SYSTEM

Mammary Gland	(10)	(0)	(0)	(0)	(7)	(8)
Skin	(10)	(0)	(0)	(0)	(10)	(10)

MUSCULOSKELETAL SYSTEM

Bone	(10)	(0)	(0)	(0)	(10)	(10)
Skeletal Muscle	(10)	(0)	(0)	(0)	(2)	(10)

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

Experiment Number: 99037 - 03

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

Date Report Requested: 09/20/2016

Test Type: 90-DAY

alpha/beta Thujone mixture

Time Report Requested: 11:43:53

Route: GAVAGE

CAS Number: 76231-76-0

First Dose M/F: 08/13/02 / 08/12/02

Species/Strain: RATS/F 344/N

Lab: SRI

FISCHER 344 RATS MALE	0 MG/KG	12.5 MG/KG	25 MG/KG	50 MG/KG	75 MG/KG	100 MG/KG
------------------------------	----------------	-------------------	-----------------	-----------------	-----------------	------------------

NERVOUS SYSTEM						
Brain	(10)	(10)	(10)	(10)	(10)	(10)
Peripheral Nerve	(10)	(0)	(0)	(0)	(2)	(10)
Spinal Cord	(10)	(0)	(0)	(0)	(2)	(10)

RESPIRATORY SYSTEM						
Lung	(10)	(0)	(0)	(0)	(10)	(10)
Nose	(10)	(0)	(0)	(0)	(10)	(10)
Trachea	(10)	(0)	(0)	(0)	(10)	(10)

SPECIAL SENSES SYSTEM						
Eye	(10)	(0)	(0)	(0)	(10)	(10)
Harderian Gland	(10)	(0)	(0)	(0)	(10)	(10)

URINARY SYSTEM						
Kidney	(10)	(10)	(10)	(10)	(10)	(10)
Urinary Bladder	(10)	(0)	(0)	(0)	(10)	(10)

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

Experiment Number: 99037 - 03

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

Date Report Requested: 09/20/2016

Test Type: 90-DAY

alpha/beta Thujone mixture

Time Report Requested: 11:43:53

Route: GAVAGE

CAS Number: 76231-76-0

First Dose M/F: 08/13/02 / 08/12/02

Species/Strain: RATS/F 344/N

Lab: SRI

FISCHER 344 RATS MALE

0 MG/KG

12.5 MG/KG

25 MG/KG

50 MG/KG

75 MG/KG

100 MG/KG

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

alpha/beta Thujone mixture

Time Report Requested: 11:43:53

Route: GAVAGE

CAS Number: 76231-76-0

First Dose M/F: 08/13/02 / 08/12/02

Species/Strain: RATS/F 344/N

Lab: SRI

FISCHER 344 RATS FEMALE	0 MG/KG	12.5 MG/KG	25 MG/KG	50 MG/KG	75 MG/KG	100 MG/KG
-------------------------	---------	------------	----------	----------	----------	-----------

Disposition Summary

Animals Initially In Study	10	10	10	10	10	10
Early Deaths						
Natural Death					8	9
Survivors						
Terminal Sacrifice	10	10	10	10	2	1
Animals Examined Microscopically	10	10	10	10	10	10

ALIMENTARY SYSTEM

Esophagus	(10)	(0)	(0)	(10)	(10)	(10)
Intestine Large, Cecum	(10)	(0)	(0)	(10)	(9)	(10)
Intestine Large, Colon	(10)	(0)	(0)	(10)	(10)	(10)
Intestine Large, Rectum	(10)	(0)	(0)	(10)	(10)	(10)
Intestine Small, Duodenum	(10)	(0)	(0)	(10)	(10)	(10)
Intestine Small, Ileum	(10)	(0)	(0)	(10)	(8)	(9)
Intestine Small, Jejunum	(10)	(0)	(0)	(10)	(9)	(10)
Liver	(10)	(1)	(2)	(10)	(10)	(10)
Pancreas	(10)	(0)	(0)	(10)	(10)	(10)
Salivary Glands	(10)	(0)	(0)	(10)	(10)	(10)
Stomach, Forestomach	(10)	(10)	(10)	(10)	(10)	(10)
Stomach, Glandular	(10)	(10)	(10)	(10)	(10)	(10)

CARDIOVASCULAR SYSTEM

Heart	(10)	(0)	(0)	(10)	(10)	(10)
-------	------	-----	-----	------	------	------

ENDOCRINE SYSTEM

Adrenal Cortex	(10)	(10)	(10)	(10)	(10)	(10)
Adrenal Medulla	(10)	(10)	(10)	(10)	(10)	(10)
Parathyroid Gland	(10)	(0)	(0)	(9)	(10)	(8)
Pituitary Gland	(10)	(10)	(10)	(10)	(10)	(10)
Thyroid Gland	(10)	(0)	(0)	(10)	(10)	(10)

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

Test Type: 90-DAY

alpha/beta Thujone mixture

Time Report Requested: 11:43:53

Route: GAVAGE

CAS Number: 76231-76-0

First Dose M/F: 08/13/02 / 08/12/02

Species/Strain: RATS/F 344/N

Lab: SRI

FISCHER 344 RATS FEMALE	0 MG/KG	12.5 MG/KG	25 MG/KG	50 MG/KG	75 MG/KG	100 MG/KG
-------------------------	---------	------------	----------	----------	----------	-----------

GENERAL BODY SYSTEM

None

GENITAL SYSTEM

Clitoral Gland	(10)	(0)	(0)	(10)	(10)	(10)
Ovary	(10)	(10)	(10)	(10)	(10)	(10)
Uterus	(10)	(3)	(1)	(10)	(10)	(10)
Vagina	(10)	(10)	(10)	(10)	(10)	(10)

HEMATOPOIETIC SYSTEM

Bone Marrow	(10)	(0)	(0)	(10)	(10)	(10)
Lymph Node	(0)	(1)	(3)	(2)	(0)	(1)
Lymph Node, Mesenteric	(10)	(0)	(0)	(10)	(10)	(10)
Spleen	(10)	(0)	(0)	(10)	(10)	(10)
Thymus	(10)	(0)	(0)	(10)	(10)	(10)

INTEGUMENTARY SYSTEM

Mammary Gland	(10)	(0)	(0)	(10)	(10)	(10)
Skin	(10)	(0)	(0)	(10)	(10)	(10)

MUSCULOSKELETAL SYSTEM

Bone	(10)	(0)	(0)	(10)	(10)	(10)
Skeletal Muscle	(10)	(0)	(0)	(0)	(2)	(10)

NERVOUS SYSTEM

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

Test Type: 90-DAY

alpha/beta Thujone mixture

Time Report Requested: 11:43:53

Route: GAVAGE

CAS Number: 76231-76-0

First Dose M/F: 08/13/02 / 08/12/02

Species/Strain: RATS/F 344/N

Lab: SRI

FISCHER 344 RATS FEMALE	0 MG/KG	12.5 MG/KG	25 MG/KG	50 MG/KG	75 MG/KG	100 MG/KG
Brain	(10)	(10)	(10)	(10)	(10)	(10)
Peripheral Nerve	(10)	(0)	(0)	(0)	(2)	(10)
Spinal Cord	(10)	(0)	(0)	(0)	(4)	(10)
RESPIRATORY SYSTEM						
Lung	(10)	(0)	(0)	(10)	(10)	(10)
Nose	(10)	(0)	(0)	(10)	(10)	(10)
Trachea	(10)	(0)	(0)	(10)	(10)	(10)
SPECIAL SENSES SYSTEM						
Eye	(10)	(0)	(0)	(10)	(10)	(10)
Harderian Gland	(10)	(0)	(0)	(10)	(10)	(10)
URINARY SYSTEM						
Kidney	(10)	(10)	(10)	(10)	(10)	(10)
Urinary Bladder	(10)	(0)	(0)	(10)	(10)	(10)

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

Experiment Number: 99037 - 03

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

Date Report Requested: 09/20/2016

Test Type: 90-DAY

alpha/beta Thujone mixture

Time Report Requested: 11:43:53

Route: GAVAGE

CAS Number: 76231-76-0

First Dose M/F: 08/13/02 / 08/12/02

Species/Strain: RATS/F 344/N

Lab: SRI

FISCHER 344 RATS FEMALE

0 MG/KG

12.5 MG/KG

25 MG/KG

50 MG/KG

75 MG/KG

100 MG/KG

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