

Experiment Number: 99037-03
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Rat/F 344/N

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

Test Compound: alpha/beta Thujone mixture
CAS Number: 76231-76-0

Date Report Requested: 10/20/2014
Time Report Requested: 16:23:00
First Dose M/F: NA / NA
Lab: SRI

C Number:	C99037B
Lock Date:	04/04/2003
Cage Range:	All
Date Range:	All
Reasons For Removal:	All
Removal Date Range:	All
Treatment Groups:	All
Study Gender:	Both
PWG Approval Date	NONE

Experiment Number: 99037-03

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

Date Report Requested: 10/20/2014

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First Dose M/F: NA / NA

Species/Strain: Rat/F 344/N

Lab: SRI

F 344/N Rat 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)	

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

b - Primary tumors: all tumors except metastatic tumors

* Number of animals with any tissue examined microscopically

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

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Route: GAVAGE

CAS Number: 76231-76-0

First Dose M/F: NA / NA

Species/Strain: Rat/F 344/N

Lab: SRI

F 344/N Rat MALE	0	MG/KG	12.5	MG/KG	25	MG/KG	50	MG/KG	75	MG/KG	100	MG/KG
Adrenal Medulla	(10)		(0)		(10)		(10)		(10)		(10)	
Parathyroid Gland	(10)		(0)		(0)		(0)		(10)		(10)	
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)	

NERVOUS SYSTEM

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

b - Primary tumors: all tumors except metastatic tumors

* Number of animals with any tissue examined microscopically

Experiment Number: 99037-03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/F 344/N

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Time Report Requested: 16:23:00

First Dose M/F: NA / NA

Lab: SRI

F 344/N Rat MALE	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)		(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

b - Primary tumors: all tumors except metastatic tumors

* Number of animals with any tissue examined microscopically

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Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Rat/F 344/N

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Time Report Requested: 16:23:00
First Dose M/F: NA / NA
Lab: SRI

F 344/N Rat MALE	0	MG/KG	12.5	MG/KG	25	MG/KG	50	MG/KG	75	MG/KG	100	MG/KG
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Tumor Summary for MALE

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 DATA

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

b - Primary tumors: all tumors except metastatic tumors

* Number of animals with any tissue examined microscopically

Experiment Number: 99037-03

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

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Species/Strain: Rat/F 344/N

Lab: SRI

F 344/N Rat 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)	

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

b - Primary tumors: all tumors except metastatic tumors

* Number of animals with any tissue examined microscopically

Experiment Number: 99037-03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/F 344/N

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First Dose M/F: NA / NA

Lab: SRI

F 344/N Rat FEMALE	0	MG/KG	12.5	MG/KG	25	MG/KG	50	MG/KG	75	MG/KG	100	MG/KG
Pituitary Gland	(10)		(10)		(10)		(10)		(10)		(10)	
Thyroid Gland	(10)		(0)		(0)		(10)		(10)		(10)	
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												
Brain	(10)		(10)		(10)		(10)		(10)		(10)	
Peripheral Nerve	(10)		(0)		(0)		(0)		(2)		(10)	
Spinal Cord	(10)		(0)		(0)		(0)		(4)		(10)	

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

b - Primary tumors: all tumors except metastatic tumors

* Number of animals with any tissue examined microscopically

Experiment Number: 99037-03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/F 344/N

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Lab: SRI

F 344/N Rat FEMALE	0	MG/KG	12.5	MG/KG	25	MG/KG	50	MG/KG	75	MG/KG	100	MG/KG
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

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* Number of animals with any tissue examined microscopically

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F 344/N Rat FEMALE	0	MG/KG	12.5	MG/KG	25	MG/KG	50	MG/KG	75	MG/KG	100	MG/KG
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Tumor Summary for FEMALE

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

* Number of animals with any tissue examined microscopically