

Experiment Number: 10119 - 01

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

Date Report Requested: 06/03/2014

Test Type: CHRONIC

Furan

Time Report Requested: 08:44:34

Route: GAVAGE

CAS Number: 110-00-9

First Dose M/F: 09/07/09 / NA

Species/Strain: RATS/F 344/NCTR

Lab: NCTR

36 Week

NTP Study Number: C10119

Lock Date: 06/02/2014

Cage Range: ALL

Date Range: ALL

Reasons For Removal: ALL

Removal Date Range: ALL

Treatment Groups:	Include 017 0 Vehicle 36 wk	Include 018 0.02 Furan 36 wk	Include 019 0.044 Furan 36wk
	Include 020 0.092 Furan 36wk	Include 021 0.2 Furan 36 wk	Include 022 0.44 Furan 36 wk
	Include 023 0.92 Furan 36 wk	Include 024 2 Furan 36 wk	

Study Gender: Male

TDMSE Version: 3.0.2.0_001

PWG Approval Date: NONE

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Route: GAVAGE

CAS Number: 110-00-9

First Dose M/F: 09/07/09 / NA

Species/Strain: RATS/F 344/NCTR

Lab: NCTR

FISCHER 344 RATS-NCTR RATS MALE	0 Vehicle 36 wk	0.02 Furan 36 wk	0.044 Furan 36wk	0.092 Furan 36wk	0.2 Furan 36 wk	0.44 Furan 36 wk
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Disposition Summary

Animals Initially In Study	20	20	20	20	20	20
Early Deaths						
Interval Sacrifice	20	20	20	20	20	20
Survivors						
Animals Examined Microscopically	20	20	20	20	20	20

ALIMENTARY SYSTEM

Esophagus	(20)	(20)	(20)	(20)	(20)	(20)
Intestine Large, Cecum	(20)	(20)	(20)	(20)	(20)	(20)
Intestine Large, Colon	(20)	(20)	(20)	(20)	(20)	(20)
Intestine Large, Rectum	(20)	(20)	(20)	(20)	(20)	(20)
Intestine Small, Duodenum	(20)	(20)	(20)	(20)	(20)	(20)
Intestine Small, Ileum	(20)	(20)	(20)	(20)	(20)	(20)
Intestine Small, Jejunum	(20)	(20)	(20)	(20)	(20)	(20)
Liver	(20)	(20)	(20)	(20)	(20)	(20)
Mesentery	(1)	(0)	(0)	(3)	(0)	(1)
Pancreas	(20)	(20)	(20)	(20)	(20)	(20)
Salivary Glands	(20)	(20)	(20)	(20)	(20)	(20)
Stomach, Forestomach	(20)	(20)	(20)	(20)	(20)	(20)
Stomach, Glandular	(20)	(20)	(20)	(20)	(20)	(20)

CARDIOVASCULAR SYSTEM

Blood Vessel	(20)	(20)	(20)	(20)	(20)	(20)
Heart	(20)	(20)	(20)	(20)	(20)	(20)

ENDOCRINE SYSTEM

Adrenal Cortex	(20)	(20)	(20)	(20)	(20)	(20)
Adenoma	1 (5%)					
Adrenal Medulla	(20)	(20)	(20)	(20)	(20)	(20)
Pheochromocytoma Benign	1 (5%)					

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

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Species/Strain: RATS/F 344/NCTR

Lab: NCTR

FISCHER 344 RATS-NCTR RATS MALE	0 Vehicle 36 wk	0.02 Furan 36 wk	0.044 Furan 36wk	0.092 Furan 36wk	0.2 Furan 36 wk	0.44 Furan 36 wk
Islets, Pancreatic	(20)	(20)	(20)	(20)	(20)	(20)
Parathyroid Gland	(20)	(19)	(20)	(20)	(20)	(20)
Pituitary Gland	(20)	(20)	(20)	(20)	(20)	(20)
Thyroid Gland	(20)	(20)	(20)	(20)	(20)	(20)

GENERAL BODY SYSTEM

None

GENITAL SYSTEM

Epididymis	(20)	(20)	(20)	(20)	(20)	(20)
Preputial Gland	(20)	(20)	(20)	(20)	(20)	(20)
Adenoma				1 (5%)		
Carcinoma		1 (5%)				
Squamous Cell Papilloma			1 (5%)			
Prostate	(20)	(20)	(20)	(20)	(20)	(20)
Seminal Vesicle	(20)	(20)	(20)	(20)	(20)	(20)
Testes	(20)	(20)	(20)	(20)	(20)	(20)
Interstitial Cell, Adenoma						

HEMATOPOIETIC SYSTEM

Bone Marrow	(20)	(20)	(20)	(20)	(20)	(20)
Lymph Node	(0)	(0)	(0)	(0)	(0)	(1)
Lymph Node, Mandibular	(20)	(20)	(20)	(20)	(20)	(20)
Lymph Node, Mesenteric	(20)	(20)	(20)	(20)	(20)	(20)
Spleen	(20)	(20)	(20)	(20)	(20)	(20)
Thymus	(20)	(20)	(20)	(20)	(20)	(20)

INTEGUMENTARY SYSTEM

Mammary Gland	(20)	(20)	(18)	(20)	(20)	(20)
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a - Number of animals examined microscopically at site and number of animals with lesion

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FISCHER 344 RATS-NCTR RATS MALE	0 Vehicle 36 wk	0.02 Furan 36 wk	0.044 Furan 36wk	0.092 Furan 36wk	0.2 Furan 36 wk	0.44 Furan 36 wk
Skin	(20)	(20)	(20)	(20)	(20)	(20)
Subcutaneous Tissue, Lipoma					1 (5%)	
MUSCULOSKELETAL SYSTEM						
Bone, Femur	(20)	(20)	(20)	(20)	(20)	(20)
NERVOUS SYSTEM						
Brain, Brain Stem	(20)	(20)	(20)	(20)	(20)	(20)
Brain, Cerebellum	(20)	(20)	(20)	(20)	(20)	(20)
Brain, Cerebrum	(20)	(20)	(20)	(20)	(20)	(20)
RESPIRATORY SYSTEM						
Lung	(20)	(20)	(20)	(20)	(20)	(20)
Nose	(20)	(20)	(20)	(20)	(20)	(20)
Trachea	(20)	(20)	(20)	(20)	(20)	(20)
SPECIAL SENSES SYSTEM						
Ear	(0)	(0)	(1)	(0)	(0)	(0)
Neural Crest Tumor, Benign			1 (100%)			
Eye	(20)	(20)	(20)	(20)	(20)	(20)
Harderian Gland	(20)	(20)	(20)	(20)	(20)	(20)
URINARY SYSTEM						
Kidney	(20)	(20)	(20)	(20)	(20)	(20)
Urinary Bladder	(20)	(20)	(20)	(20)	(20)	(20)

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Species/Strain: RATS/F 344/NCTR

Lab: NCTR

FISCHER 344 RATS-NCTR RATS MALE

0.92 Furan 36 wk

2 Furan 36 wk

Disposition Summary

Animals Initially In Study	20	20
Early Deaths		
Interval Sacrifice	20	20
Survivors		
Animals Examined Microscopically	20	20

ALIMENTARY SYSTEM

Esophagus	(20)	(20)
Intestine Large, Cecum	(20)	(20)
Intestine Large, Colon	(20)	(20)
Intestine Large, Rectum	(20)	(20)
Intestine Small, Duodenum	(20)	(20)
Intestine Small, Ileum	(20)	(20)
Intestine Small, Jejunum	(20)	(20)
Liver	(20)	(20)
Mesentery	(0)	(0)
Pancreas	(20)	(20)
Salivary Glands	(20)	(20)
Stomach, Forestomach	(20)	(20)
Stomach, Glandular	(20)	(20)

CARDIOVASCULAR SYSTEM

Blood Vessel	(20)	(20)
Heart	(20)	(20)

ENDOCRINE SYSTEM

Adrenal Cortex	(20)	(20)
Adenoma		
Adrenal Medulla	(20)	(20)
Pheochromocytoma Benign		

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FISCHER 344 RATS-NCTR RATS MALE

0.92 Furan 36 wk

2 Furan 36 wk

Islets, Pancreatic	(20)	(20)
Parathyroid Gland	(19)	(20)
Pituitary Gland	(20)	(20)
Thyroid Gland	(20)	(20)

GENERAL BODY SYSTEM

None

GENITAL SYSTEM

Epididymis	(20)	(20)
Preputial Gland	(20)	(20)
Adenoma		
Carcinoma		
Squamous Cell Papilloma		
Prostate	(20)	(20)
Seminal Vesicle	(20)	(20)
Testes	(20)	(20)
Interstitial Cell, Adenoma		1 (5%)

HEMATOPOIETIC SYSTEM

Bone Marrow	(20)	(20)
Lymph Node	(0)	(1)
Lymph Node, Mandibular	(20)	(20)
Lymph Node, Mesenteric	(20)	(20)
Spleen	(20)	(20)
Thymus	(19)	(20)

INTEGUMENTARY SYSTEM

Mammary Gland	(20)	(20)
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FISCHER 344 RATS-NCTR RATS MALE

0.92 Furan 36 wk

2 Furan 36 wk

Skin	(20)	(20)
Subcutaneous Tissue, Lipoma		

MUSCULOSKELETAL SYSTEM

Bone, Femur	(20)	(20)
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NERVOUS SYSTEM

Brain, Brain Stem	(20)	(20)
Brain, Cerebellum	(20)	(20)
Brain, Cerebrum	(20)	(20)

RESPIRATORY SYSTEM

Lung	(20)	(20)
Nose	(20)	(20)
Trachea	(20)	(20)

SPECIAL SENSES SYSTEM

Ear	(0)	(0)
Neural Crest Tumor, Benign		
Eye	(20)	(20)
Harderian Gland	(20)	(20)

URINARY SYSTEM

Kidney	(20)	(20)
Urinary Bladder	(20)	(20)

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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Tumor Summary for Males

Total Animals with Primary Neoplasms (b)	2	1	1	1	1	1
Total Primary Neoplasms	2	1	2	1	1	1
Total Animals with Benign Neoplasms	2		1	1	1	1
Total Benign Neoplasms	2		1	1	1	1
Total Animals with Malignant Neoplasms		1	1			
Total Malignant Neoplasms		1	1			
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

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Lab: NCTR

FISCHER 344 RATS-NCTR RATS MALE

0.92 Furan 36 wk

2 Furan 36 wk

Tumor Summary for Males

Total Animals with Primary Neoplasms (b)

1

Total Primary Neoplasms

1

Total Animals with Benign Neoplasms

1

Total Benign Neoplasms

1

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