

Experiment Number: 10119 - 01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
Furan
CAS Number: 110-00-9

Date Report Requested: 06/03/2014
Time Report Requested: 08:42:42
First Dose M/F: 09/07/09 / NA
Lab: NCTR

104 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 001 0 Vehicle 104 wk
Include 004 0.092 Furan104wk
Include 007 0.92 Furan 104wk

Include 002 0.02 Furan 104wk
Include 005 0.2 Furan 104 wk
Include 008 2 Furan 104 wk

Include 003 0.044 Furan104wk
Include 006 0.44 Furan 104wk

Study Gender: Male

TDMSE Version: 3.0.2.0_001

PWG Approval Date: NONE

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		DAY ON TEST																				males (cont...)			
FISCHER 344 RATS-NCTR RATS MALE 0 Vehicle 104 wk		0 7 2 9	0 7 2 9	0 6 3 8	0 7 2 9	0 7 2 9	0 6 4 8	0 7 2 8	0 7 0 1	0 6 6 6	0 6 6 6	0 5 9 9	0 6 9 8	0 6 8 2	0 6 6 1	0 5 1 4	0 6 4 7	0 1 2 8	0 7 2 1	0 6 6 1	0 7 2 8		0 5 0 1	0 4 7 8	
ANIMAL ID		0 0 0 1 1	0 0 0 1 2	0 0 0 2 1	0 0 0 3 1	0 0 2 0 1	0 0 2 1 1	0 0 2 2 1	0 0 2 2 2	0 0 2 2 1	0 0 2 2 2	0 0 2 2 3	0 0 2 2 4	0 0 4 4 5	0 0 4 4 6	0 0 4 4 5	0 0 5 5 6	0 0 5 5 6	0 0 5 5 7	0 0 5 5 7	0 0 5 5 8	0 0 7 7 1	0 0 7 7 2	0 0 7 7 2	0 0 1 1 2

ALIMENTARY SYSTEM

Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Cecum Leukemia Mononuclear Mesothelioma Malignant	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	A	A	+	+	+	+	
Intestine Large, Colon Mesothelioma Malignant	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	A	A	+	+	+	+	
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	A	+	+	+	+	+	
Intestine Small, Duodenum Mesothelioma Malignant	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	A	+	+	+	+	+	
Intestine Small, Ileum Mesothelioma Malignant	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	A	A	+	+	+	+	
Intestine Small, Jejunum Mesothelioma Malignant	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	A	A	+	+	+	+	
Liver Hepatocellular Adenoma Hepatocellular Carcinoma Leukemia Mononuclear Mesothelioma Malignant	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
					X				X			X							X		X			X		
Mesentery Leukemia Mononuclear	+		+		+		+		+							+						+				

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		DAY ON TEST																								males (cont...)	
FISCHER 344 RATS-NCTR RATS MALE 0 Vehicle 104 wk		0 7 2 9	0 7 2 9	0 6 3 8	0 7 2 9	0 7 2 9	0 6 4 8	0 7 2 8	0 7 0 1	0 6 6 6	0 6 6 6	0 5 6 3	0 6 6 8	0 6 6 2	0 5 9 1	0 6 9 4	0 6 8 7	0 1 8 7	0 7 2 1	0 6 6 1	0 7 2 1	0 5 2 8	0 4 0 1	0 7 0 1	0 5 7 8		0 4 8 1
ANIMAL ID		0 0 0 1 1	0 0 0 1 2	0 0 0 3 1	0 0 0 0 1	0 0 0 2 1	0 0 0 2 1	0 0 0 1 1	0 0 0 2 2	0 0 0 2 1	0 0 0 2 2	0 0 0 2 2	0 0 0 3 1	0 0 0 4 4	0 0 0 4 5	0 0 0 5 6	0 0 0 5 6	0 0 0 5 7	0 0 0 5 7	0 0 0 5 8	0 0 0 5 8	0 0 0 7 1	0 0 0 7 2	0 0 0 8 1	0 0 0 8 2	0 0 0 1 1	0 0 0 1 2

Lipoma
 Mesothelioma Malignant

Oral Mucosa
 Squamous Cell Papilloma

Pancreas
 Leukemia Mononuclear
 Mesothelioma Malignant
 Acinar Cell, Adenoma
 Acinar Cell, Adenoma, Multiple
 Acinar Cell, Carcinoma

Salivary Glands
 Leukemia Mononuclear

Stomach, Forestomach
 Mesothelioma Malignant

Stomach, Glandular
 Mesothelioma Malignant

Tongue
 Squamous Cell Papilloma

CARDIOVASCULAR SYSTEM

Blood Vessel
 Leukemia Mononuclear

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FISCHER 344 RATS-NCTR RATS MALE 0 Vehicle 104 wk	DAY ON TEST																									ANIMAL ID	males (cont...)
	0729	0729	0668	0779	0779	0668	0779	0779	0668	0668	0668	0556	0668	0668	0668	0668	0556	0668	0178	0779	0668	0779	0556	0448	0556		
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	1	1	2	3	3	0	1	1	2	2	2	3	3	4	4	5	6	6	5	6	7	7	8	1	1	2	
	1	2	1	1	2	1	1	2	1	2	2	1	2	2	1	2	1	2	2	1	2	2	1	2	1	1	

Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Leukemia Mononuclear								X						X											X
Schwannoma Malignant					X			X																	

ENDOCRINE SYSTEM

Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Leukemia Mononuclear								X																	
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Leukemia Mononuclear								X																	
Pheochromocytoma Benign	X		X	X		X				X					X	X		X					X		
Pheochromocytoma Malignant																									
Bilateral, Pheochromocytoma Benign							X					X	X												
Bilateral, Pheochromocytoma Malignant																									
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Adenoma							X														X		X		
Carcinoma																							X		
Parathyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Adenoma		X																							
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Craniopharyngioma																									
Leukemia Mononuclear								X					X												
Pars Distalis, Adenoma	X		X	X	X	X		X		X		X	X		X	X					X	X		X	
Pars Distalis, Carcinoma																									
Pars Intermedia, Adenoma																									

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FISCHER 344 RATS-NCTR RATS MALE		DAY ON TEST																							ANIMAL ID	males (cont...)								
0 Vehicle 104 wk		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			0	0	0	0	0	0	0	
		7	7	6	7	7	6	7	7	6	6	6	5	6	6	6	6	6	5	6	1	7	7	6			7	5	4					
		2	2	3	2	2	4	2	0	7	4	8	9	9	9	8	1	1	4	8	2	2	6	2	0	7	8							
		9	9	8	9	9	8	8	1	6	9	8	3	8	8	2	1	4	7	8	1	1	1	8	1	8								
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
		1	1	2	3	3	0	1	1	2	2	3	4	4	5	6	5	6	7	8	1	1	2	2	1	2								
		1	2	1	1	2	1	1	2	1	2	1	2	1	1	2	1	2	1	2	2	2	2	1	2									

Thyroid Gland +
 C-cell, Adenoma X
 C-cell, Adenoma, Multiple
 C-cell, Carcinoma
 Follicular Cell, Carcinoma

GENERAL BODY SYSTEM

Peritoneum
 Tunica Vaginalis, Mesothelioma Malignant

Tissue NOS

GENITAL SYSTEM

Epididymis +
 Leukemia Mononuclear
 Mesothelioma Malignant X

Preputial Gland +
 Adenoma
 Carcinoma X X X X
 Leukemia Mononuclear
 Squamous Cell Carcinoma X

Prostate +
 Adenoma
 Leukemia Mononuclear
 Mesothelioma Malignant

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FISCHER 344 RATS-NCTR RATS MALE 0 Vehicle 104 wk	DAY ON TEST																				ANIMAL ID	males (cont...)			
	0729	0729	0668	0779	0779	0668	0779	0779	0668	0668	0668	0556	0668	0668	0668	0668	0556	0668	0178	0779			0668	0779	0556
Seminal Vesicle	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	
Mesothelioma Malignant																									
Testes	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Leukemia Mononuclear														X											
Mesothelioma Malignant																X									
Bilateral, Interstitial Cell, Adenoma	X	X	X	X	X							X	X												
Interstitial Cell, Adenoma								X	X					X	X				X	X	X				
HEMATOPOIETIC SYSTEM																									
Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Leukemia Mononuclear								X						X											
Lymph Node	+		+			+				+	+		+			+				+				+	
Axillary, Leukemia Mononuclear								X						X											
Cervical, Leukemia Mononuclear								X																	
Deep Cervical, Leukemia Mononuclear																									
Hepatic, Leukemia Mononuclear																									
Lumbar, Leukemia Mononuclear								X						X											
Lumbar, Squamous Cell Carcinoma, Metastatic, Preputial Gland																									
Mediastinal, Leukemia Mononuclear																							X		
Pancreatic, Leukemia Mononuclear									X					X					X						
Renal, Leukemia Mononuclear								X					X												
Lymph Node, Mandibular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Leukemia Mononuclear								X						X									X		
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	

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FISCHER 344 RATS-NCTR RATS MALE 0 Vehicle 104 wk	DAY ON TEST																								males (cont...)
	0729	0729	0668	0779	0779	0668	0779	0779	0668	0668	0668	0556	0668	0668	0668	0556	0668	0668	0178	0779	0668	0668	0779	0556	
ANIMAL ID	0001	0002	0003	0004	0005	0006	0007	0008	0009	0010	0011	0012	0013	0014	0015	0016	0017	0018	0019	0020	0021	0022	0023	0024	
Leukemia Mononuclear								X						X										X	
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Leukemia Mononuclear	X							X					X						X				X		
Mesothelioma Malignant																									
Thymus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Leukemia Mononuclear								X															X		
Thymoma Benign																									
INTEGUMENTARY SYSTEM																									
Mammary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Adenocarcinoma																									
Adenoma																									
Fibroadenoma																									
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Squamous Cell Carcinoma																									
Squamous Cell Papilloma																							X		
Lip, Fibrous Histiocytoma																									
Subcutaneous Tissue, Fibroma								X					X			X									
Subcutaneous Tissue, Fibrosarcoma																									
Subcutaneous Tissue, Fibrous Histiocytoma																									
Subcutaneous Tissue, Lipoma																									
Subcutaneous Tissue, Liposarcoma																						X			
Subcutaneous Tissue, Schwannoma Malignant																									
MUSCULOSKELETAL SYSTEM																									

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FISCHER 344 RATS-NCTR RATS MALE 0 Vehicle 104 wk	DAY ON TEST																								males (cont...)
	0 7 2 9	0 7 2 9	0 6 3 8	0 7 2 9	0 7 2 9	0 6 4 8	0 7 2 8	0 7 0 1	0 6 6 6	0 6 6 6	0 5 9 8	0 6 9 8	0 6 6 6	0 6 6 6	0 5 9 8	0 6 6 6	0 6 6 6	0 5 4 7	0 6 8 2	0 7 2 1	0 6 6 6	0 7 2 8	0 5 0 1	0 4 7 8	
ANIMAL ID	0 0 0 1 1	0 0 0 1 2	0 0 0 2 3	0 0 0 3 3	0 0 2 3 0	0 0 2 1 1	0 0 2 2 1	0 0 2 2 2	0 0 2 2 2	0 0 2 2 2	0 0 2 2 3	0 0 2 2 4	0 0 2 4 4	0 0 2 4 4	0 0 2 5 5	0 0 2 5 6	0 0 2 5 6	0 0 2 5 6	0 0 2 5 6	0 0 2 5 7	0 0 2 5 7	0 0 2 8 8	0 0 2 8 1	0 0 2 7 1	0 0 2 7 2

Bone
 Mandible, Osteosarcoma
 Vertebra, Osteosarcoma

Bone, Femur

Skeletal Muscle
 Fibrous Histiocytoma
 Lipoma
 Mesothelioma Malignant
 Rhabdomyosarcoma

NERVOUS SYSTEM

Brain, Brain Stem
 Astrocytoma Malignant
 Leukemia Mononuclear

Brain, Cerebellum
 Granular Cell Tumor Benign
 Leukemia Mononuclear

Brain, Cerebrum
 Astrocytoma Malignant
 Carcinoma, Metastatic, Pituitary Gland
 Granular Cell Tumor Malignant
 Leukemia Mononuclear

Peripheral Nerve

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FISCHER 344 RATS-NCTR RATS MALE 0 Vehicle 104 wk	ANIMAL ID	7	7	6	7	7	6	7	7	6	6	6	5	6	6	6	6	5	6	1	7	7	6	7	5	4	
		2	2	3	2	2	4	2	0	7	4	8	9	9	9	8	1	1	4	8	2	2	6	2	0	7	
		9	9	8	9	9	8	8	1	6	9	8	3	8	8	2	1	4	7	7	1	1	1	8	1	8	
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	2	2	2	2	2	2	4	4	4	4	5	5	5	5	5	5	7	7	7	7	
		1	1	2	3	3	0	1	1	2	2	3	4	5	6	5	6	6	7	8	1	1	1	1	2	1	
		1	2	1	1	2	1	1	2	1	2	2	1	1	1	2	1	2	1	2	2	1	2	1	2	1	
		males (cont...)																									

Spinal Cord, Cervical
 Spinal Cord, Lumbar
 Spinal Cord, Thoracic

RESPIRATORY SYSTEM

Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Alveolar/Bronchiolar Adenoma																									
Fibrous Histiocytoma																									
Leukemia Mononuclear								X				X										X			
Squamous Cell Carcinoma																									
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

SPECIAL SENSES SYSTEM

Ear																									
Neural Crest Tumor			+																						
Eye	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	A	+	+	+	
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Zymbal's Gland																									
Adenoma																									
Carcinoma																									

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	ANIMAL ID	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	
	09	02	03	02	02	04	02	00	07	04	08	09	09	09	08	02	01	04	07	08	02	02	06	02	00	07	

Squamous Cell Carcinoma

URINARY SYSTEM

Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Leukemia Mononuclear								X						X										X	
Transitional Epithelial Carcinoma			X																						
Renal Tubule, Adenoma																									
Renal Tubule, Carcinoma																									
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Mesothelioma Malignant																									

SYSTEMIC LESIONS

Multiple Organ	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Leukemia Mononuclear	X							X					X						X					X	
Mesothelioma Malignant														X											

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

Experiment Number: 10119 - 01
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Furan
 CAS Number: 110-00-9

Date Report Requested: 06/03/2014
 Time Report Requested: 08:42:42
 First Dose M/F: 09/07/09 / NA
 Lab: NCTR

FISCHER 344 RATS-NCTR RATS MALE 0 Vehicle 104 wk	DAY ON TEST																								ANIMAL ID	males (cont...)
	0729	0612	0619	0632	0728	0778	0778	0778	0667	0473	0768	0647	0463	0778	0772	0669	0779	0779	0779	0647	0728	0386	0698	0665		
	0072	0061	0069	0032	0028	0077	0077	0077	0066	0473	0768	0647	0463	0778	0772	0669	0779	0779	0779	0647	0728	0386	0698	0665	0669	
	0077	0077	0000	0000	0000	0000	0000	0000	0000	0000	0001	0001	0001	0001	0001	0001	0001	0001	0001	0001	0001	0001	0001	0001	0001	

ALIMENTARY SYSTEM

Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Cecum Leukemia Mononuclear Mesothelioma Malignant	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Colon Mesothelioma Malignant	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Small, Duodenum Mesothelioma Malignant	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Small, Ileum Mesothelioma Malignant	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Small, Jejunum Mesothelioma Malignant	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Liver Hepatocellular Adenoma Hepatocellular Carcinoma Leukemia Mononuclear Mesothelioma Malignant	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
	X	X	X	X		X								X	X	X				X	X			X
Mesentery Leukemia Mononuclear					M				+					+					+					

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

Experiment Number: 10119 - 01
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Furan
 CAS Number: 110-00-9

Date Report Requested: 06/03/2014
 Time Report Requested: 08:42:42
 First Dose M/F: 09/07/09 / NA
 Lab: NCTR

FISCHER 344 RATS-NCTR RATS MALE 0 Vehicle 104 wk	DAY ON TEST																								ANIMAL ID	males (cont...)
	0 7 2 9	0 6 1 2	0 6 1 2	0 6 3 9	0 7 2 8	0 7 2 8	0 7 2 8	0 6 6 7	0 4 7 3	0 7 2 8	0 6 1 7	0 4 5 8	0 6 7 3	0 7 2 8	0 6 5 9	0 7 2 9	0 7 2 9	0 6 4 7	0 7 2 8	0 3 8 6	0 6 9 8	0 6 0 5	0 6 6 9			
	0 0 7 2 2	0 0 7 3 2	0 1 0 2 2	0 1 0 3 1	0 1 0 3 1	0 1 0 4 2	0 1 0 7 1	0 1 0 8 1	0 1 0 8 2	0 1 0 9 1	0 1 0 0 2	0 1 0 8 1	0 1 0 9 2	0 1 0 3 1	0 1 0 4 2	0 1 0 5 1	0 1 3 2 2	0 1 3 3 1	0 1 3 3 1	0 1 3 4 1	0 1 5 5 1	0 1 5 7 1	0 1 5 7 2	0 1 6 7 2		

Lipoma
 Mesothelioma Malignant

Oral Mucosa
 Squamous Cell Papilloma

Pancreas
 Leukemia Mononuclear
 Mesothelioma Malignant
 Acinar Cell, Adenoma
 Acinar Cell, Adenoma, Multiple
 Acinar Cell, Carcinoma

Salivary Glands
 Leukemia Mononuclear

Stomach, Forestomach
 Mesothelioma Malignant

Stomach, Glandular
 Mesothelioma Malignant

Tongue
 Squamous Cell Papilloma

CARDIOVASCULAR SYSTEM

Blood Vessel
 Leukemia Mononuclear

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
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 BLANK .. Not examined microscopically

Experiment Number: 10119 - 01
 Test Type: CHRONIC
 Route: GAVAGE
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P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Furan
 CAS Number: 110-00-9

Date Report Requested: 06/03/2014
 Time Report Requested: 08:42:42
 First Dose M/F: 09/07/09 / NA
 Lab: NCTR

FISCHER 344 RATS-NCTR RATS MALE 0 Vehicle 104 wk	DAY ON TEST																				ANIMAL ID	males (cont...)			
	0 7 2 9	0 6 1 2	0 6 1 2	0 6 3 9	0 7 2 8	0 7 2 8	0 7 2 8	0 6 6 7	0 4 7 3	0 7 2 8	0 6 1 7	0 4 5 8	0 6 7 3	0 7 2 8	0 6 5 9	0 7 2 9	0 7 2 9	0 6 4 7	0 7 2 8	0 3 8 6			0 6 9 8	0 6 0 5	0 6 6 9
	0 7 2 2	0 0 7 3	0 0 1 2	0 1 0 2	0 1 0 1	0 1 0 4	0 1 0 2	0 1 0 1	0 1 0 8	0 1 0 9	0 1 0 0	0 1 0 3	0 1 0 1	0 1 0 4	0 1 0 5	0 1 0 2	0 1 0 1	0 1 0 3	0 1 0 3	0 1 0 4	0 1 0 5	0 1 0 7	0 1 0 2	0 1 0 2	

Heart
 Leukemia Mononuclear
 Schwannoma Malignant

+
 X
 X

ENDOCRINE SYSTEM

Adrenal Cortex
 Leukemia Mononuclear

+
 X

Adrenal Medulla
 Leukemia Mononuclear
 Pheochromocytoma Benign
 Pheochromocytoma Malignant
 Bilateral, Pheochromocytoma Benign
 Bilateral, Pheochromocytoma Malignant

+
 X
 X
 X
 X

Islets, Pancreatic
 Adenoma
 Carcinoma

+
 X
 X

Parathyroid Gland
 Adenoma

+ +

Pituitary Gland
 Craniopharyngioma
 Leukemia Mononuclear
 Pars Distalis, Adenoma
 Pars Distalis, Carcinoma
 Pars Intermedia, Adenoma

+
 X
 X
 X
 X

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

Experiment Number: 10119 - 01
 Test Type: CHRONIC
 Route: GAVAGE
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P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Furan
 CAS Number: 110-00-9

Date Report Requested: 06/03/2014
 Time Report Requested: 08:42:42
 First Dose M/F: 09/07/09 / NA
 Lab: NCTR

| | | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | males
(cont...) |
|------------------------------------|--|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--------------------|
| FISCHER 344 RATS-NCTR RATS
MALE | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 0 Vehicle 104 wk | | 7 | 6 | 6 | 6 | 7 | 7 | 7 | 6 | 4 | 7 | 6 | 4 | 6 | 7 | 7 | 6 | 7 | 7 | 7 | 6 | 7 | 3 | 6 | 6 | |
| ANIMAL ID | | 2 | 1 | 1 | 3 | 2 | 2 | 2 | 6 | 7 | 2 | 1 | 5 | 7 | 2 | 2 | 5 | 2 | 2 | 2 | 9 | 4 | 2 | 8 | 9 | 6 |
| | | 9 | 2 | 9 | 2 | 8 | 8 | 7 | 3 | 8 | 7 | 8 | 3 | 8 | 2 | 9 | 9 | 9 | 9 | 9 | 7 | 8 | 6 | 8 | 5 | 9 |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | | 7 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 3 | 3 | 3 | 3 | 3 | 5 | 5 | 6 | 6 |
| | | 2 | 3 | 2 | 3 | 3 | 4 | 7 | 8 | 8 | 9 | 0 | 3 | 3 | 4 | 4 | 5 | 2 | 3 | 3 | 4 | 5 | 7 | 7 | 2 | 2 |
| | | 2 | 2 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 2 | 2 | 2 |

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Thyroid Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| C-cell, Adenoma | | | | | | | X | | | | | | | | | | X | | | | | | | | |
| C-cell, Adenoma, Multiple | | | | | | | | | | | | | | | | | | | | | | | | | |
| C-cell, Carcinoma | | | | | | | | | | | | | | | | | | | | | | | | | |
| Follicular Cell, Carcinoma | | | | | | | | | | | | | | | | | | | | | | | | | |

GENERAL BODY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| Peritoneum | | | | | | | | | | | | | | | | | | | | | | | | | |
| Tunica Vaginalis, Mesothelioma Malignant | | | | | | | | | | | | | | | | | | | | | | | | | |
| Tissue NOS | | | | | | | | | | | | | | | | | | | | | | | | | |

GENITAL SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Epididymis | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mesothelioma Malignant | | | | | | | | | | | | | | | | | | | | | | | | | |
| Preputial Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Adenoma | | | | | | X | | | | | | | | | | | | | | | | | | | |
| Carcinoma | | | | X | | | | | | | X | | | | | | | | X | | | | | | |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | | |
| Squamous Cell Carcinoma | | | | | | | | | | | | | | | | | | | | | | | | | |
| Prostate | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Adenoma | | | | | | | | | | | | | | | | | | | | | | | | | |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mesothelioma Malignant | | | | | | | | | | | | | | | | | | | | | | | | | |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

Experiment Number: 10119 - 01
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Furan
 CAS Number: 110-00-9

Date Report Requested: 06/03/2014
 Time Report Requested: 08:42:42
 First Dose M/F: 09/07/09 / NA
 Lab: NCTR

| FISCHER 344 RATS-NCTR RATS
MALE
0 Vehicle 104 wk | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | ANIMAL ID | males
(cont...) |
|--|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----------|--------------------|
| | 0729 | 0662 | 0669 | 0662 | 0778 | 0778 | 0778 | 0667 | 0473 | 0768 | 0667 | 0468 | 0667 | 0778 | 0768 | 0667 | 0778 | 0768 | 0467 | 0668 | 0386 | 0668 | 0665 | 0669 | | |
| | 0072 | 0066 | 0066 | 0066 | 0077 | 0077 | 0077 | 0066 | 0047 | 0076 | 0066 | 0046 | 0066 | 0077 | 0076 | 0066 | 0077 | 0076 | 0046 | 0066 | 0038 | 0066 | 0066 | 0066 | | |
| | 0077 | 0077 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | | |

| | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Seminal Vesicle | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Mesothelioma Malignant | | | | | | | | | | | | | | | | | | | | | | | | |
| Testes | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | |
| Mesothelioma Malignant | | | | | | | | | | | | | | | | | | | | | | | | |
| Bilateral, Interstitial Cell, Adenoma | | | | | | | | X | X | | | | | X | X | | | X | X | | | | | |
| Interstitial Cell, Adenoma | X | X | | | | X | | | | | | | | | X | | | | | X | | | | X |

HEMATOPOIETIC SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Bone Marrow | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Leukemia Mononuclear | X | X | X | X | | X | | | | | | | | | X | | X | | | | X | | | X |
| Lymph Node | + | + | + | + | + | + | | | | | | + | | | + | | + | | | + | | + | + | + |
| Axillary, Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | |
| Cervical, Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | |
| Deep Cervical, Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | |
| Hepatic, Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | |
| Lumbar, Leukemia Mononuclear | X | | | | | X | | | | | | | | | | | X | | | | | | | X |
| Lumbar, Squamous Cell Carcinoma, Metastatic, Preputial Gland | | | | | | | | | | | | | | | | | | | | | | | | |
| Mediastinal, Leukemia Mononuclear | | | | X | | | | | | | | | | | X | | | | | | | | | |
| Pancreatic, Leukemia Mononuclear | | | X | | | X | | | | | | | | | X | | | | X | | | | | X |
| Renal, Leukemia Mononuclear | X | X | X | X | | | | | | | | | | | | | | X | | | | | | X |
| Lymph Node, Mandibular | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Leukemia Mononuclear | X | | X | | | X | | | | | | | | | X | | X | | | | X | | | X |
| Lymph Node, Mesenteric | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

Experiment Number: 10119 - 01
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 Species/Strain: RATS/F 344/NCTR

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 Furan
 CAS Number: 110-00-9

Date Report Requested: 06/03/2014
 Time Report Requested: 08:42:42
 First Dose M/F: 09/07/09 / NA
 Lab: NCTR

| FISCHER 344 RATS-NCTR RATS
MALE
0 Vehicle 104 wk | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | ANIMAL ID | males
(cont...) |
|--|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----------|--------------------|
| | 0729 | 0612 | 0619 | 0632 | 0672 | 0677 | 0677 | 0664 | 0647 | 0664 | 0676 | 0677 | 0664 | 0667 | 0676 | 0677 | 0664 | 0667 | 0676 | 0677 | 0664 | 0667 | 0676 | 0677 | | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 007722 | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 007722 | |

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|
| Leukemia Mononuclear | | | X | | | | | | | | | | | | | X | | X | | | | X | | X | | |
| Spleen | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | |
| Leukemia Mononuclear | X | X | X | X | | X | | | | | | | X | | X | | X | | | X | X | | | X | | |
| Mesothelioma Malignant | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Thymus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | M | + | + | |
| Leukemia Mononuclear | X | | | | | | | | | | | | | | X | | X | | | | | | | X | | |
| Thymoma Benign | | | | | | | | | | | | | | | | | | | | | | | | | | |

INTEGUMENTARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|
| Mammary Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Adenocarcinoma | | | | | | | | | | | | | | | | | | | | | | | | | |
| Adenoma | | | | | | | | | | | | | | | | | | | | | | | | | |
| Fibroadenoma | | | | | | X | | | | | | | | | | | | | | | | X | | | |
| Skin | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Squamous Cell Carcinoma | | | | | | | | | | | | | | | | | | | | | | | | | |
| Squamous Cell Papilloma | | | | | | | | | | | | | | | | | | | | | | | | | |
| Lip, Fibrous Histiocytoma | | | | | | | | | | | | | | | | | | | | | | | | | |
| Subcutaneous Tissue, Fibroma | | | | | | | | | | | | | | | | | | | | | | X | | | |
| Subcutaneous Tissue, Fibrosarcoma | | | | | | X | | | | | | | | | | | | | | | | | | | |
| Subcutaneous Tissue, Fibrous Histiocytoma | | | | | | | | | | | | | | | | | | | | | | | | | |
| Subcutaneous Tissue, Lipoma | | | | | | | | | | | | | | | | | | | | | | | | | |
| Subcutaneous Tissue, Liposarcoma | | | | | | | | | | | | | | | | | | | | | | | | | |
| Subcutaneous Tissue, Schwannoma Malignant | | | | | | | | | | | | | | | | | | | | | | | | | |

MUSCULOSKELETAL SYSTEM

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

Experiment Number: 10119 - 01
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 Route: GAVAGE
 Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Furan
 CAS Number: 110-00-9

Date Report Requested: 06/03/2014
 Time Report Requested: 08:42:42
 First Dose M/F: 09/07/09 / NA
 Lab: NCTR

| DAY ON TEST | FISCHER 344 RATS-NCTR RATS MALE | | | | | | | | | | | | | | | | | | | | | | | | ANIMAL ID | males
(cont...) |
|-------------|---------------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----------|--------------------|
| | 0729 | 0662 | 0669 | 0662 | 0728 | 0778 | 0778 | 0667 | 0473 | 0768 | 0642 | 0673 | 0772 | 0772 | 0662 | 0772 | 0772 | 0667 | 0772 | 0667 | 0366 | 0666 | 0666 | 0666 | | |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0072 | |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0077 | |
| 1 | 1 | 1 | 3 | 2 | 2 | 2 | 6 | 7 | 2 | 1 | 5 | 7 | 2 | 2 | 5 | 2 | 2 | 2 | 4 | 2 | 8 | 9 | 0 | 6 | 7700 | |
| 2 | 2 | 2 | 9 | 2 | 8 | 8 | 7 | 3 | 8 | 7 | 8 | 3 | 8 | 2 | 9 | 9 | 9 | 7 | 8 | 6 | 8 | 5 | 9 | 6 | 2292 | |

Bone
 Mandible, Osteosarcoma
 Vertebra, Osteosarcoma

Bone, Femur +

Skeletal Muscle +
 Fibrous Histiocytoma
 Lipoma
 Mesothelioma Malignant
 Rhabdomyosarcoma

NERVOUS SYSTEM

Brain, Brain Stem +
 Astrocytoma Malignant
 Leukemia Mononuclear X

Brain, Cerebellum +
 Granular Cell Tumor Benign
 Leukemia Mononuclear X

Brain, Cerebrum +
 Astrocytoma Malignant
 Carcinoma, Metastatic, Pituitary Gland
 Granular Cell Tumor Malignant
 Leukemia Mononuclear X

Peripheral Nerve

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

Experiment Number: 10119 - 01
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Furan
 CAS Number: 110-00-9

Date Report Requested: 06/03/2014
 Time Report Requested: 08:42:42
 First Dose M/F: 09/07/09 / NA
 Lab: NCTR

| FISCHER 344 RATS-NCTR RATS
MALE
0 Vehicle 104 wk | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | ANIMAL ID | males
(cont...) |
|--|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|--------------------|
| | 0
7
2
9 | 0
6
1
2 | 0
6
1
2 | 0
6
3
9 | 0
7
2
8 | 0
7
2
8 | 0
7
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8 | 0
6
6
7 | 0
4
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3 | 0
7
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8 | 0
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7 | 0
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8 | 0
6
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3 | 0
7
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8 | 0
7
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9 | 0
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2 | 0
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1 | 0
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2 | 0
1
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3
4 | 0
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5
1 | 0
1
0
5
7 | 0
1
0
5
1 | 0
1
0
7
2 | 0
1
0
7
2 | |

Spinal Cord, Cervical

Spinal Cord, Lumbar

Spinal Cord, Thoracic

RESPIRATORY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lung | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Alveolar/Bronchiolar Adenoma | | | | | | | | | | | | | | | | | | | | | | | | X | |
| Fibrous Histiocytoma | | | | | | | | | | | | | | | | | | | | | | | | | |
| Leukemia Mononuclear | | X | X | X | | X | | | | | | | | X | | X | | | | X | X | | | | X |
| Squamous Cell Carcinoma | | | | | | | | | | | | | | | | | | | | | | | | | |
| Nose | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Trachea | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |

SPECIAL SENSES SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|--------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Ear | | | | | | | | | | | | | | | | | | | | | | | | | |
| Neural Crest Tumor | | | | | | | | | | | | | | | | | | | | | | | | | |
| Eye | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Harderian Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Zymbal's Gland | | | | | | | | | | | | | | | | | | | | | | | | | |
| Adenoma | | | | | | | | | | | | | | | | | | | | | | | | | |
| Carcinoma | | | | | | | | | | | | | | | | | | | | | | | | | |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

Experiment Number: 10119 - 01
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Furan
 CAS Number: 110-00-9

Date Report Requested: 06/03/2014
 Time Report Requested: 08:42:42
 First Dose M/F: 09/07/09 / NA
 Lab: NCTR

| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DAY ON TEST

FISCHER 344 RATS-NCTR RATS MALE

0 Vehicle 104 wk

ANIMAL ID | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 7 | 6 | 6 | 6 | 7 | 7 | 7 | 6 | 4 | 7 | 6 | 4 | 6 | 7 | 7 | 6 | 7 | 7 | 7 | 6 | 7 | 3 | 6 | 6 | 6 | 6 | 6 |
| | 2 | 1 | 1 | 3 | 2 | 2 | 2 | 6 | 7 | 2 | 1 | 5 | 7 | 2 | 2 | 5 | 2 | 2 | 2 | 4 | 2 | 8 | 9 | 0 | 6 | 6 | 9 |
| | 9 | 2 | 2 | 9 | 2 | 8 | 8 | 7 | 3 | 8 | 7 | 8 | 3 | 8 | 2 | 9 | 9 | 9 | 9 | 7 | 8 | 6 | 8 | 5 | 9 | 9 | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | |
| | 7 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 3 | 3 | 3 | 3 | 3 | 3 | 5 | 5 | 6 | 6 | |
| | 2 | 3 | 2 | 3 | 3 | 4 | 7 | 8 | 8 | 9 | 0 | 3 | 3 | 4 | 4 | 5 | 2 | 3 | 3 | 4 | 5 | 7 | 7 | 2 | 2 | | |
| | 2 | 2 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 1 | 2 | 2 | 2 | 2 | |

males
(cont...)

Squamous Cell Carcinoma

URINARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Kidney | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Leukemia Mononuclear | | | | | | X | | | | | | | | | X | | | | | | X | | | | | X |
| Transitional Epithelial Carcinoma | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Renal Tubule, Adenoma | | | | | | | X | | | | | | | | | | | | | | | | | | | |
| Renal Tubule, Carcinoma | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Urinary Bladder | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Mesothelioma Malignant | | | | | | | | | | | | | | | | | | | | | | | | | | |

SYSTEMIC LESIONS

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Multiple Organ | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Leukemia Mononuclear | X | X | X | X | | X | | | | | | | | X | X | | X | | | X | X | | | | | X |
| Mesothelioma Malignant | | | | | | | | | | | | | | | | | | | | | | | | | | |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

Experiment Number: 10119 - 01
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Furan
 CAS Number: 110-00-9

Date Report Requested: 06/03/2014
 Time Report Requested: 08:42:42
 First Dose M/F: 09/07/09 / NA
 Lab: NCTR

| DAY ON TEST | FISCHER 344 RATS-NCTR RATS MALE | | | | | | | | | | | | | | | | | | | | | | | | | | ANIMAL ID | males (cont...) |
|-------------|---------------------------------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|--|-----------|-----------------|
| | 05 | 06 | 04 | 06 | 07 | 04 | 05 | 06 | 07 | 05 | 07 | 07 | 05 | 04 | 06 | 06 | 07 | 06 | 07 | 06 | 05 | 07 | 03 | 06 | 07 | | | |
| 0 | 6 | 6 | 4 | 5 | 0 | 2 | 7 | 3 | 2 | 0 | 2 | 2 | 7 | 5 | 4 | 7 | 2 | 7 | 1 | 5 | 7 | 2 | 9 | 8 | 0 | | | |
| 3 | 3 | 3 | 2 | 9 | 2 | 9 | 7 | 3 | 8 | 6 | 8 | 8 | 1 | 3 | 5 | 3 | 8 | 6 | 2 | 5 | 9 | 8 | 0 | 6 | 8 | | | |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | | | |
| 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 9 | 9 | 9 | 9 | 9 | 0 | 1 | 1 | 1 | 1 | 1 | 4 | 4 | 4 | 4 | 5 | | | | |
| 3 | 4 | 4 | 4 | 5 | 4 | 5 | 5 | 6 | 6 | 7 | 7 | 8 | 8 | 9 | 0 | 7 | 7 | 8 | 8 | 9 | 4 | 5 | 5 | 6 | | | | |
| 2 | 1 | 2 | 2 | 2 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 1 | 1 | 2 | 1 | 2 | 1 | 1 | 2 | 1 | 3 | | | | |

ALIMENTARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Esophagus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Large, Cecum
Leukemia Mononuclear
Mesothelioma Malignant | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Large, Colon
Mesothelioma Malignant | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Large, Rectum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Small, Duodenum
Mesothelioma Malignant | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Small, Ileum
Mesothelioma Malignant | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Small, Jejunum
Mesothelioma Malignant | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Liver
Hepatocellular Adenoma
Hepatocellular Carcinoma
Leukemia Mononuclear
Mesothelioma Malignant | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| | X | | | X | | | | | | | X | X | X | X | | | | | X | | | | | X | |
| Mesentery
Leukemia Mononuclear | + | | | | | | | | | | + | | | | | | | | | + | | | | | |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

Experiment Number: 10119 - 01
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Furan
 CAS Number: 110-00-9

Date Report Requested: 06/03/2014
 Time Report Requested: 08:42:42
 First Dose M/F: 09/07/09 / NA
 Lab: NCTR

| | | DAY ON TEST | | | | | | | | | | | | | | | | | | | | males
(cont...) | | | | |
|--|-------------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--------------------|---|---|---|---|
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | | | |
| | | 5 | 6 | 4 | 6 | 7 | 4 | 5 | 6 | 7 | 5 | 7 | 7 | 5 | 4 | 6 | 6 | 7 | 6 | 7 | 6 | | 5 | 7 | 3 | 6 |
| FISCHER 344 RATS-NCTR RATS
MALE | | 6 | 6 | 4 | 5 | 0 | 2 | 7 | 3 | 2 | 0 | 2 | 2 | 7 | 5 | 4 | 7 | 2 | 7 | 1 | 5 | 7 | 2 | 9 | 4 | 0 |
| | 0 Vehicle 104 wk | 3 | 3 | 2 | 9 | 2 | 9 | 7 | 3 | 8 | 6 | 8 | 8 | 1 | 3 | 5 | 3 | 8 | 6 | 2 | 5 | 9 | 8 | 0 | 6 | 8 |
| | ANIMAL ID | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| | | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 9 | 9 | 9 | 9 | 9 | 0 | 1 | 1 | 1 | 1 | 1 | 4 | 4 | 4 | 4 | 5 | |
| | | 3 | 4 | 4 | 5 | 4 | 5 | 5 | 6 | 6 | 7 | 8 | 8 | 9 | 0 | 7 | 7 | 8 | 8 | 8 | 9 | 4 | 5 | 5 | 6 | |
| | | 2 | 1 | 2 | 2 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 1 | 1 | 1 | 2 | 1 | 2 | 2 | 2 | 1 | 2 | 1 | 1 | |

Lipoma X
 Mesothelioma Malignant

Oral Mucosa
 Squamous Cell Papilloma

Pancreas +
 Leukemia Mononuclear
 Mesothelioma Malignant X
 Acinar Cell, Adenoma X X
 Acinar Cell, Adenoma, Multiple X
 Acinar Cell, Carcinoma

Salivary Glands +
 Leukemia Mononuclear

Stomach, Forestomach +
 Mesothelioma Malignant

Stomach, Glandular +
 Mesothelioma Malignant

Tongue +
 Squamous Cell Papilloma X

CARDIOVASCULAR SYSTEM

Blood Vessel +
 Leukemia Mononuclear

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

Experiment Number: 10119 - 01
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Furan
 CAS Number: 110-00-9

Date Report Requested: 06/03/2014
 Time Report Requested: 08:42:42
 First Dose M/F: 09/07/09 / NA
 Lab: NCTR

| FISCHER 344 RATS-NCTR RATS
MALE
0 Vehicle 104 wk | DAY ON TEST | | | | | | | | | | | | | | | | | | | | ANIMAL ID | males
(cont...) | | | |
|--|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|--------------------|------------------|------------------|------------------|
| | 0
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8 | 0
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1 | 0
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2 | 0
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1 | 0
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2 | 0
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1 | 0
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1 | 0
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8 | 0
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5 | 0
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5 | 0
2
5
6 | 0
2
6
1 | 0
2
3
1 |

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Heart | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Leukemia Mononuclear | | | | | | | | | | | | | | X | | | | | | | | | | | |
| Schwannoma Malignant | | | | | | | | | | | | | | | | | | | | | | | | | |

ENDOCRINE SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Adrenal Cortex | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Leukemia Mononuclear | | | | | | | | | | | | | | X | | X | | | | | | | | |
| Adrenal Medulla | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Leukemia Mononuclear | | | | | | | | | | | | | | X | | X | X | | | | | | | |
| Pheochromocytoma Benign | | | | | | | | | | | | | | | | | | | | | | | | X |
| Pheochromocytoma Malignant | | | | | | | | | | | | | | | | | | | | | | | | |
| Bilateral, Pheochromocytoma Benign | | | | | | | | | | X | | | | | | | | | | | | | | X |
| Bilateral, Pheochromocytoma Malignant | | | | | | | | | | | | | | | | | | | | | | | | |
| Islets, Pancreatic | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Adenoma | X | | | | X | | | | | | | X | | | | | | | | | | | | |
| Carcinoma | | | | | | | | | | | | | | | | | | | | | | | | |
| Parathyroid Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Adenoma | | | | | | | | | | | | | | | | | | | | | | | | |
| Pituitary Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Craniopharyngioma | | | | | X | | | | | | | | | | | | | | | | | | | |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | |
| Pars Distalis, Adenoma | X | X | | X | X | | X | X | | X | X | X | | X | X | X | X | X | X | X | X | X | X | X |
| Pars Distalis, Carcinoma | | | | | | | | | | | | | | | | | | | | | | | | |
| Pars Intermedia, Adenoma | | | | | | | | | | | | | | | | | | | | | | | | |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

Experiment Number: 10119 - 01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Furan

CAS Number: 110-00-9

Date Report Requested: 06/03/2014

Time Report Requested: 08:42:42

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

Lab: NCTR

| | | DAY ON TEST | | | | | | | | | | | | | | | | | | | | males
(cont...) | | | | | | | | |
|------------------------------------|-----------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--------------------|---|---|---|---|---|---|---|---|
| FISCHER 344 RATS-NCTR RATS
MALE | ANIMAL ID | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | 5 | 6 | 4 | 6 | 7 | 4 | 5 | 6 | 7 | 5 | 7 | 7 | 5 | 4 | 6 | 6 | 7 | 6 | 7 | 6 | 5 | 7 | 3 | 6 | 7 | 6 | 7 | 6 | 7 |
| | | 6 | 6 | 4 | 5 | 0 | 2 | 7 | 3 | 2 | 0 | 2 | 2 | 7 | 5 | 4 | 7 | 2 | 7 | 1 | 5 | 7 | 2 | 9 | 4 | 0 | 0 | 0 | 0 | 0 |
| 0 Vehicle 104 wk | | 3 | 3 | 2 | 9 | 2 | 9 | 7 | 3 | 8 | 6 | 8 | 8 | 1 | 3 | 5 | 3 | 8 | 6 | 2 | 5 | 9 | 8 | 6 | 8 | 8 | 8 | 8 | 8 | |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| | | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 9 | 9 | 9 | 9 | 9 | 0 | 1 | 1 | 1 | 1 | 1 | 4 | 4 | 4 | 4 | 4 | 5 | 5 | 5 | 5 |
| | | 3 | 4 | 4 | 5 | 4 | 5 | 5 | 6 | 6 | 7 | 7 | 8 | 8 | 9 | 0 | 7 | 7 | 8 | 8 | 9 | 4 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 8 |
| | | 2 | 1 | 2 | 2 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 1 | 1 | 2 | 1 | 2 | 1 | 1 | 1 | 2 | 1 | 1 | 1 | 1 | 1 | 1 |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Thyroid Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| C-cell, Adenoma | | | | X | | | | | | | | | | | | | | | | | X | | | | | | | | |
| C-cell, Adenoma, Multiple | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| C-cell, Carcinoma | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Follicular Cell, Carcinoma | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

GENERAL BODY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| Peritoneum | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Tunica Vaginalis, Mesothelioma Malignant | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Tissue NOS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

GENITAL SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Epididymis | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mesothelioma Malignant | | | | | | | X | | | | | | | | X | | | | | | | | | | | | | | |
| Preputial Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Adenoma | | | | | | | | | | | | | | | | | | | | | X | | | | | | | | |
| Carcinoma | | | | | | | X | | | | | | | | | | | | | | | | | | | | | | |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | X | | | | | | |
| Squamous Cell Carcinoma | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Prostate | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Adenoma | | X | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mesothelioma Malignant | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

Experiment Number: 10119 - 01
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Furan
 CAS Number: 110-00-9

Date Report Requested: 06/03/2014
 Time Report Requested: 08:42:42
 First Dose M/F: 09/07/09 / NA
 Lab: NCTR

| FISCHER 344 RATS-NCTR RATS
MALE
0 Vehicle 104 wk | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | ANIMAL ID | males
(cont...) |
|--|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|--------------------|
| | 0
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3 | 0
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3 | 0
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2 | 0
6
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9 | 0
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2 | 0
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2
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8 | 0
5
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1 | 0
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3 | 0
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3 | 0
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6 | 0
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6
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9 | 0
7
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8 | 0
3
9
0 | 0
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6 | 0
7
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4
5 | 0
2
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4
5 | 0
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5 | 0
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1
4
5 | 0
2
1
4
5 | 0
2
1
4
5 | |

Seminal Vesicle
 Mesothelioma Malignant

+ +

Testes
 Leukemia Mononuclear
 Mesothelioma Malignant
 Bilateral, Interstitial Cell, Adenoma
 Interstitial Cell, Adenoma

+
 X
 X
 X X
 X

HEMATOPOIETIC SYSTEM

Bone Marrow
 Leukemia Mononuclear

+
 X X X

Lymph Node
 Axillary, Leukemia Mononuclear
 Cervical, Leukemia Mononuclear
 Deep Cervical, Leukemia Mononuclear
 Hepatic, Leukemia Mononuclear
 Lumbar, Leukemia Mononuclear
 Lumbar, Squamous Cell Carcinoma,
 Metastatic, Preputial Gland
 Mediastinal, Leukemia Mononuclear
 Pancreatic, Leukemia Mononuclear
 Renal, Leukemia Mononuclear

+
 X
 X
 X
 X
 X
 X
 X
 X
 X

Lymph Node, Mandibular
 Leukemia Mononuclear

+
 X
 X X X X

Lymph Node, Mesenteric

+ +

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

Experiment Number: 10119 - 01
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Furan
 CAS Number: 110-00-9

Date Report Requested: 06/03/2014
 Time Report Requested: 08:42:42
 First Dose M/F: 09/07/09 / NA
 Lab: NCTR

| FISCHER 344 RATS-NCTR RATS
MALE
0 Vehicle 104 wk | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | ANIMAL ID | males
(cont...) |
|--|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|--------------------|
| | 0
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2 | 0
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7
6
2 | 0
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2 | 0
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9
7
1 | 0
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1 | 0
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5 | 0
2
4
5 | 0
2
4
5 | 0
2
6
1 | 0
2
3
1 | |

Leukemia Mononuclear

X X X X

Spleen
 Leukemia Mononuclear
 Mesothelioma Malignant

+
 X X X X X X X X

Thymus
 Leukemia Mononuclear
 Thymoma Benign

+
 X X

INTEGUMENTARY SYSTEM

Mammary Gland
 Adenocarcinoma
 Adenoma
 Fibroadenoma

+ +

Skin
 Squamous Cell Carcinoma
 Squamous Cell Papilloma
 Lip, Fibrous Histiocytoma
 Subcutaneous Tissue, Fibroma
 Subcutaneous Tissue, Fibrosarcoma
 Subcutaneous Tissue, Fibrous Histiocytoma
 Subcutaneous Tissue, Lipoma
 Subcutaneous Tissue, Liposarcoma
 Subcutaneous Tissue, Schwannoma Malignant X

+ +

MUSCULOSKELETAL SYSTEM

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

Experiment Number: 10119 - 01
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Furan
 CAS Number: 110-00-9

Date Report Requested: 06/03/2014
 Time Report Requested: 08:42:42
 First Dose M/F: 09/07/09 / NA
 Lab: NCTR

| | | DAY ON TEST | | | | | | | | | | | | | | | | | | | | males
(cont...) | | | | |
|--|-----------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--------------------|---|---|---|---|
| FISCHER 344 RATS-NCTR RATS
MALE
0 Vehicle 104 wk | ANIMAL ID | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 | | |
| | | 5 | 6 | 4 | 6 | 7 | 4 | 5 | 6 | 7 | 5 | 7 | 7 | 5 | 4 | 6 | 6 | 7 | 6 | 7 | 6 | | 5 | 7 | 3 | 6 |
| | | 6 | 6 | 4 | 5 | 0 | 2 | 7 | 3 | 2 | 0 | 2 | 2 | 7 | 5 | 4 | 7 | 2 | 7 | 1 | 5 | 7 | 2 | 9 | 4 | 0 |
| | | 3 | 3 | 2 | 9 | 2 | 9 | 7 | 3 | 8 | 6 | 8 | 8 | 1 | 3 | 5 | 3 | 8 | 6 | 2 | 5 | 9 | 8 | 0 | 6 | 8 |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| | | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 9 | 9 | 9 | 9 | 9 | 0 | 1 | 1 | 1 | 1 | 1 | 4 | 4 | 4 | 4 | 5 |
| | | 3 | 4 | 4 | 5 | 4 | 5 | 5 | 6 | 6 | 7 | 7 | 8 | 8 | 9 | 0 | 7 | 7 | 8 | 8 | 9 | 4 | 5 | 5 | 6 | 3 |
| | | 2 | 1 | 2 | 2 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 1 | 1 | 2 | 1 | 2 | 1 | 1 | 1 | 2 | 1 | 1 |

Bone
 Mandible, Osteosarcoma
 Vertebra, Osteosarcoma

+
 X

Bone, Femur

+ +

Skeletal Muscle
 Fibrous Histiocytoma
 Lipoma
 Mesothelioma Malignant
 Rhabdomyosarcoma

+
 X
 X

NERVOUS SYSTEM

Brain, Brain Stem
 Astrocytoma Malignant
 Leukemia Mononuclear

+ +

Brain, Cerebellum
 Granular Cell Tumor Benign
 Leukemia Mononuclear

+ +

Brain, Cerebrum
 Astrocytoma Malignant
 Carcinoma, Metastatic, Pituitary Gland
 Granular Cell Tumor Malignant
 Leukemia Mononuclear

+ +

Peripheral Nerve

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

Experiment Number: 10119 - 01
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Furan
 CAS Number: 110-00-9

Date Report Requested: 06/03/2014
 Time Report Requested: 08:42:42
 First Dose M/F: 09/07/09 / NA
 Lab: NCTR

| | | DAY ON TEST | | | | | | | | | | | | | | | | | | | | males
(cont...) | | | | |
|------------------------------------|-----------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--------------------|---|---|---|---|
| FISCHER 344 RATS-NCTR RATS
MALE | ANIMAL ID | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 | | |
| | | 5 | 6 | 4 | 6 | 7 | 4 | 5 | 6 | 7 | 5 | 7 | 7 | 5 | 4 | 6 | 6 | 7 | 6 | 7 | 6 | | 5 | 7 | 3 | 6 |
| 0 Vehicle 104 wk | | 6 | 6 | 4 | 5 | 0 | 2 | 7 | 3 | 2 | 0 | 2 | 2 | 7 | 5 | 4 | 7 | 2 | 7 | 1 | 5 | 7 | 2 | 9 | 4 | 0 |
| | | 3 | 3 | 2 | 9 | 2 | 9 | 7 | 3 | 8 | 6 | 8 | 8 | 1 | 3 | 5 | 3 | 8 | 6 | 2 | 5 | 9 | 8 | 0 | 6 | 8 |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| | | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 9 | 9 | 9 | 9 | 9 | 0 | 1 | 1 | 1 | 1 | 1 | 4 | 4 | 4 | 4 | 5 |
| | | 3 | 4 | 4 | 5 | 4 | 5 | 5 | 6 | 6 | 7 | 7 | 8 | 8 | 9 | 0 | 7 | 7 | 8 | 8 | 9 | 4 | 5 | 5 | 6 | 3 |
| | | 2 | 1 | 2 | 2 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 1 | 1 | 2 | 1 | 2 | 2 | 1 | 1 | 2 | 1 | 1 |

Spinal Cord, Cervical
 Spinal Cord, Lumbar
 Spinal Cord, Thoracic

RESPIRATORY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lung | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Alveolar/Bronchiolar Adenoma | | | | | | | | | | | | | | | | | | | | | | | | | |
| Fibrous Histiocytoma | | | | | | | | | | | | | | | | | | | | | | | | | |
| Leukemia Mononuclear | | | | | X | | | | | | | X | X | | X | | | | X | | | | | | |
| Squamous Cell Carcinoma | | | | | | | | | | | | | | | | | | | | | | | | | |
| Nose | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Trachea | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |

SPECIAL SENSES SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|--------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Ear | | | | | | | | | | | | | | | | | | | | | | | | | |
| Neural Crest Tumor | | | | | | | | | | | | | | | | | | | | | | | | | |
| Eye | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Harderian Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Zymbal's Gland | | | | | | | | | | | | | | | | | | | | | | | | | |
| Adenoma | | | | | | | | | | | | | | | | | | | | | | | | | |
| Carcinoma | | | | | | | | | | | | | | | | | | | | | | | | | |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

Experiment Number: 10119 - 01
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Furan
 CAS Number: 110-00-9

Date Report Requested: 06/03/2014
 Time Report Requested: 08:42:42
 First Dose M/F: 09/07/09 / NA
 Lab: NCTR

| FISCHER 344 RATS-NCTR RATS
MALE
0 Vehicle 104 wk | DAY ON TEST | | | | | | | | | | | | | | | | | | | | ANIMAL ID | males
(cont...) | | | |
|--|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|--------------------|---|---|---|
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | 0 | 0 | 0 |
| | 5 | 6 | 4 | 6 | 7 | 4 | 5 | 6 | 7 | 5 | 7 | 7 | 5 | 4 | 6 | 6 | 7 | 6 | 7 | 6 | 5 | 7 | 3 | 6 | 7 |
| | 6 | 6 | 4 | 5 | 0 | 2 | 7 | 3 | 2 | 0 | 2 | 2 | 7 | 5 | 4 | 7 | 2 | 7 | 1 | 5 | 7 | 2 | 9 | 4 | 0 |
| | 3 | 3 | 2 | 9 | 2 | 9 | 7 | 3 | 8 | 6 | 8 | 8 | 1 | 3 | 5 | 3 | 8 | 6 | 2 | 5 | 9 | 8 | 0 | 6 | 8 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 9 | 9 | 9 | 9 | 9 | 0 | 1 | 1 | 1 | 1 | 1 | 4 | 4 | 4 | 4 | 5 |
| | 3 | 4 | 4 | 5 | 4 | 5 | 5 | 6 | 6 | 7 | 7 | 8 | 8 | 9 | 0 | 7 | 7 | 8 | 8 | 9 | 4 | 5 | 5 | 6 | 3 |
| | 2 | 1 | 2 | 2 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 1 | 1 | 2 | 1 | 2 | 1 | 1 | 2 | 1 | 1 | 1 |

Squamous Cell Carcinoma

URINARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Kidney | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Leukemia Mononuclear | | | | | | | | | | | | | | | X | | | | | | | X | | |
| Transitional Epithelial Carcinoma | | | | | | | | | | | | | | | | | | | | | | | | |
| Renal Tubule, Adenoma | | | | | | | | | | | | | | | | | | | | | | | | |
| Renal Tubule, Carcinoma | | | | | | | | | | | | | | | | | | | | | | | | |
| Urinary Bladder | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Mesothelioma Malignant | | | | | | | | | | | | | | | | | | | | | | | | |

SYSTEMIC LESIONS

| | | | | | | | | | | | | | | | | | | | | | | | | |
|------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Multiple Organ | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Leukemia Mononuclear | | | | X | | | | | | | | | X | X | X | X | | | | X | | | X | |
| Mesothelioma Malignant | | | | | X | | | | | | | | X | | | | | | | | | | | |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

Experiment Number: 10119 - 01
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Furan
 CAS Number: 110-00-9

Date Report Requested: 06/03/2014
 Time Report Requested: 08:42:42
 First Dose M/F: 09/07/09 / NA
 Lab: NCTR

| DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | males
(cont...) | |
|------------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--------------------|---|
| FISCHER 344 RATS-NCTR RATS
MALE | 7 | 7 | 6 | 5 | 7 | 7 | 5 | 5 | 6 | 7 | 7 | 6 | 5 | 6 | 4 | 6 | 5 | 7 | 4 | 7 | 5 | 7 | 7 | | 3 |
| 0 Vehicle 104 wk | 2 | 2 | 9 | 6 | 2 | 2 | 9 | 2 | 8 | 2 | 2 | 2 | 2 | 7 | 5 | 1 | 6 | 2 | 8 | 2 | 2 | 0 | 2 | | 5 |
| ANIMAL ID | 8 | 8 | 2 | 5 | 8 | 8 | 6 | 2 | 4 | 8 | 8 | 0 | 9 | 1 | 7 | 0 | 1 | 9 | 0 | 8 | 8 | 8 | 8 | 2 | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | |
| | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | |
| | 3 | 4 | 4 | 5 | 6 | 9 | 9 | 0 | 1 | 1 | 1 | 8 | 8 | 9 | 0 | 0 | 9 | 9 | 0 | 1 | 2 | 2 | 2 | 3 | |
| | 2 | 1 | 2 | 1 | 1 | 2 | 1 | 2 | 1 | 1 | 2 | 1 | 2 | 1 | 1 | 2 | 1 | 2 | 2 | 1 | 2 | 1 | 1 | 3 | |

ALIMENTARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Esophagus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Large, Cecum
Leukemia Mononuclear
Mesothelioma Malignant | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Large, Colon
Mesothelioma Malignant | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Large, Rectum | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Small, Duodenum
Mesothelioma Malignant | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Small, Ileum
Mesothelioma Malignant | + | + | + | + | + | + | + | + | + | + | + | + | A | A | + | + | + | + | + | + | + | + | + | + |
| Intestine Small, Jejunum
Mesothelioma Malignant | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + |
| Liver
Hepatocellular Adenoma
Hepatocellular Carcinoma
Leukemia Mononuclear
Mesothelioma Malignant | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| | | | X | | | X | | | X | | X | | | X | | | | | | X | X | X | | |
| Mesentery
Leukemia Mononuclear | + | | | + | | | | | + | | | | + | | | | | | | | | | | |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

Experiment Number: 10119 - 01
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Furan
 CAS Number: 110-00-9

Date Report Requested: 06/03/2014
 Time Report Requested: 08:42:42
 First Dose M/F: 09/07/09 / NA
 Lab: NCTR

| DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| FISCHER 344 RATS-NCTR RATS MALE | 7 | 7 | 6 | 5 | 7 | 7 | 5 | 5 | 6 | 7 | 7 | 6 | 5 | 6 | 4 | 6 | 5 | 7 | 4 | 7 | 5 | 7 | 7 | 3 | 7 | 7 | 7 | 3 | 7 | 3 |
| 0 Vehicle 104 wk | 2 | 2 | 9 | 6 | 2 | 2 | 9 | 2 | 8 | 2 | 2 | 2 | 2 | 7 | 5 | 1 | 6 | 2 | 8 | 2 | 0 | 2 | 2 | 5 | 2 | 2 | 2 | 5 | 2 | |
| ANIMAL ID | 8 | 8 | 2 | 5 | 8 | 8 | 6 | 2 | 4 | 8 | 8 | 0 | 9 | 1 | 7 | 0 | 1 | 9 | 0 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| | 3 | 4 | 4 | 5 | 6 | 6 | 9 | 9 | 0 | 1 | 1 | 8 | 8 | 9 | 0 | 0 | 9 | 9 | 0 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| | 2 | 1 | 2 | 1 | 1 | 2 | 1 | 2 | 1 | 1 | 2 | 1 | 1 | 2 | 1 | 1 | 2 | 1 | 2 | 1 | 2 | 2 | 2 | 1 | 2 | 2 | 2 | 2 | 2 | 2 |

males (cont...)

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|
| Lipoma | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mesothelioma Malignant | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Oral Mucosa | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Squamous Cell Papilloma | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Pancreas | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mesothelioma Malignant | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Acinar Cell, Adenoma | X | | | | X | | | | | X | | | | X | | | | X | | | | | | | | | | | | | | | | | | |
| Acinar Cell, Adenoma, Multiple | | | | X | | | | | | | | | X | | | | | | | | | | | | | | | | | | | | | | | |
| Acinar Cell, Carcinoma | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Salivary Glands | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Stomach, Forestomach | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Mesothelioma Malignant | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Stomach, Glandular | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Mesothelioma Malignant | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Tongue | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Squamous Cell Papilloma | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

CARDIOVASCULAR SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|
| Blood Vessel | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

Experiment Number: 10119 - 01
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Furan
 CAS Number: 110-00-9

Date Report Requested: 06/03/2014
 Time Report Requested: 08:42:42
 First Dose M/F: 09/07/09 / NA
 Lab: NCTR

| FISCHER 344 RATS-NCTR RATS
MALE
0 Vehicle 104 wk | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | ANIMAL ID | males
(cont...) |
|--|-------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|-----------|--------------------|
| | 078 | 078 | 069 | 056 | 072 | 072 | 055 | 055 | 066 | 077 | 077 | 066 | 055 | 066 | 044 | 066 | 055 | 077 | 044 | 077 | 055 | 077 | 077 | 033 | | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0253 | |
| | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 5533 | |
| | 8 | 8 | 2 | 5 | 8 | 8 | 6 | 2 | 4 | 8 | 8 | 0 | 9 | 1 | 7 | 0 | 1 | 9 | 0 | 8 | 8 | 8 | 8 | 252 | | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0333 | | |
| | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2333 | | |
| | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 0000 | | |
| | 3 | 4 | 4 | 5 | 6 | 6 | 9 | 9 | 0 | 1 | 1 | 8 | 8 | 9 | 0 | 0 | 9 | 9 | 0 | 1 | 2 | 2 | 9 | 9922 | | |
| | 2 | 1 | 2 | 1 | 1 | 2 | 1 | 2 | 1 | 1 | 2 | 1 | 1 | 2 | 1 | 1 | 2 | 1 | 2 | 2 | 1 | 2 | 2 | 22 | | |

| | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|
| Heart | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Leukemia Mononuclear | | | | | | | | | X | | | | | | | | | | | X | | X | | |
| Schwannoma Malignant | | | | | | | | | | | | | | | | | | | X | | | | X | |

ENDOCRINE SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|
| Adrenal Cortex | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Leukemia Mononuclear | | | | | | | | | X | | | | | X | | | | | | | | | | |
| Adrenal Medulla | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Leukemia Mononuclear | | | | | | | | | X | | | | | X | | | | | | | | | | |
| Pheochromocytoma Benign | X | X | | | | | | | | X | X | X | | | | | | | | | | X | | |
| Pheochromocytoma Malignant | | | | | | X | | | | | | | | | | | | | | | | | | |
| Bilateral, Pheochromocytoma Benign | | | | | | | | | | | | | | | | | | | | X | | | X | |
| Bilateral, Pheochromocytoma Malignant | | | | | | | | | | | | | | | | | | | | | | | | |
| Islets, Pancreatic | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Adenoma | | | X | | X | X | | | X | | | | | X | | | | | | | | | | |
| Carcinoma | | | | | | | | | | | | | | | | | | | | | | | | |
| Parathyroid Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Adenoma | | | | | | | | | | | | | | | | | | | | | | | | |
| Pituitary Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Craniopharyngioma | | | | | | | | | | | | | | | | | | | | | | | | |
| Leukemia Mononuclear | | | | | | | | | X | | | | | | | | | | | | | | | |
| Pars Distalis, Adenoma | X | X | X | | X | X | | | | | | X | X | | X | X | X | X | X | X | X | X | X | |
| Pars Distalis, Carcinoma | | | | | | | | | | | | | | | | | | | | | | | | |
| Pars Intermedia, Adenoma | | | | | | | | | | | | | | | | | | | | | | | | |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

Experiment Number: 10119 - 01
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Furan
 CAS Number: 110-00-9

Date Report Requested: 06/03/2014
 Time Report Requested: 08:42:42
 First Dose M/F: 09/07/09 / NA
 Lab: NCTR

| | | DAY ON TEST | | | | | | | | | | | | | | | | | | | | males
(cont...) | | | | | | | | | | | | | |
|-----------------------------------|-----------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|--------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|---|---|---|---|
| | | 0
7
2
8 | 0
7
2
8 | 0
6
9
2 | 0
5
6
5 | 0
7
2
8 | 0
7
2
8 | 0
5
9
6 | 0
5
2
2 | 0
6
8
4 | 0
7
2
8 | 0
7
2
8 | 0
6
2
0 | 0
5
2
9 | 0
6
7
1 | 0
4
5
7 | 0
6
1
0 | 0
5
2
9 | 0
7
8
0 | 0
4
2
8 | 0
7
2
8 | | 0
5
0
7 | 0
7
2
8 | 0
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9 | 0
3
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9 | 0
3
0
9 | 0
3
0
9 | 0
3
0
9 | 0
3
0
9 | | | | |
| FISCHER 344 RATS-NCTR RATS | ANIMAL ID | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| MALE | | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 0 Vehicle 104 wk | | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 0 | 0 | 1 | 1 | 2 | 2 | 2 | 2 | 2 |
| | | 3 | 4 | 4 | 5 | 6 | 9 | 9 | 0 | 1 | 1 | 2 | 8 | 8 | 9 | 0 | 1 | 2 | 1 | 2 | 2 | 2 | 1 | 2 | 2 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |

Thyroid Gland +
 C-cell, Adenoma
 C-cell, Adenoma, Multiple X
 C-cell, Carcinoma
 Follicular Cell, Carcinoma

GENERAL BODY SYSTEM

Peritoneum
 Tunica Vaginalis, Mesothelioma Malignant

Tissue NOS +

GENITAL SYSTEM

Epididymis +
 Leukemia Mononuclear
 Mesothelioma Malignant X

Preputial Gland +
 Adenoma X
 Carcinoma X X X
 Leukemia Mononuclear X
 Squamous Cell Carcinoma X

Prostate +
 Adenoma X
 Leukemia Mononuclear
 Mesothelioma Malignant

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

Experiment Number: 10119 - 01
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Furan
 CAS Number: 110-00-9

Date Report Requested: 06/03/2014
 Time Report Requested: 08:42:42
 First Dose M/F: 09/07/09 / NA
 Lab: NCTR

| FISCHER 344 RATS-NCTR RATS
MALE
0 Vehicle 104 wk | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | ANIMAL ID | males
(cont...) |
|--|-------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----------|--------------------|
| | 078 | 078 | 069 | 056 | 072 | 078 | 055 | 052 | 066 | 072 | 078 | 060 | 059 | 066 | 047 | 065 | 016 | 077 | 048 | 072 | 078 | 057 | 077 | 035 | | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | |
| | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | |
| | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 0 | 0 | 0 | |
| | 3 | 4 | 4 | 5 | 6 | 9 | 9 | 0 | 1 | 1 | 8 | 8 | 9 | 0 | 0 | 9 | 9 | 0 | 1 | 2 | 2 | 2 | 9 | 9 | 2 | |
| | 2 | 1 | 2 | 1 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 1 | 2 | 1 | 2 | 1 | 2 | 2 | 2 | 1 | 2 | 2 | 2 | |

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Seminal Vesicle | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + |
| Mesothelioma Malignant | | | | | | | | | | | | | | | | | | | | | | | | | |
| Testes | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mesothelioma Malignant | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bilateral, Interstitial Cell, Adenoma | | | | X | X | | X | | X | X | | | | | | | | | X | | | | | | X |
| Interstitial Cell, Adenoma | | X | | | | | X | | X | | X | | | | X | | | | | | X | X | | | |

HEMATOPOIETIC SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Bone Marrow | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + |
| Leukemia Mononuclear | | | | | | X | | | X | X | | | | | | | | | | | | | X | | |
| Lymph Node | + | | | | | | | + | + | + | | | | | A | | | | | | | + | + | + | |
| Axillary, Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | | |
| Cervical, Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | | |
| Deep Cervical, Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | X | |
| Hepatic, Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | X | |
| Lumbar, Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | X | X | |
| Lumbar, Squamous Cell Carcinoma, Metastatic, Preputial Gland | X | | | | | | | | | | | | | | | | | | | | | | | | |
| Mediastinal, Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | X | |
| Pancreatic, Leukemia Mononuclear | | | | | | | | | | | | X | | | | | | | | | | | X | | |
| Renal, Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | X | | |
| Lymph Node, Mandibular | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Leukemia Mononuclear | | | | | | | | | X | | | | | | | | | | | | | | X | | |
| Lymph Node, Mesenteric | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

Experiment Number: 10119 - 01
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Furan
 CAS Number: 110-00-9

Date Report Requested: 06/03/2014
 Time Report Requested: 08:42:42
 First Dose M/F: 09/07/09 / NA
 Lab: NCTR

| FISCHER 344 RATS-NCTR RATS
MALE
0 Vehicle 104 wk | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | ANIMAL ID | males
(cont...) |
|--|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
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2 | 0
6
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4 | 0
7
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8 | 0
6
2
0 | 0
5
2
9 | 0
6
7
1 | 0
4
5
7 | 0
6
1
0 | 0
5
2
9 | 0
7
8
0 | 0
4
2
8 | 0
7
2
8 | 0
5
0
7 | 0
7
2
8 | 0
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8 | 0
3
0
1 | 0
3
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2 | | |
| | 0
2
5
3
2 | 0
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5
4
1 | 0
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5
4
2 | 0
2
5
6
1 | 0
2
5
6
1 | 0
2
5
9
2 | 0
2
6
9
1 | 0
2
6
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2 | 0
2
7
1
1 | 0
2
7
1
2 | 0
2
7
7
8 | 0
2
7
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8 | 0
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7
7
9 | 0
2
8
8
0 | 0
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8
1 | 0
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2 | 0
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2 | 0
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2 | 0
2
9
9
2 | 0
3
0
2
1 | 0
3
0
2
1 | 0
3
9
9
2 | 0
3
9
9
2 |

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Leukemia Mononuclear | | | | | | X | | | X | | X | | | | | | | | | | X | X | | | | |
| Spleen | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Leukemia Mononuclear | | X | | | | X | | | X | | X | | | | X | | | | | X | X | X | | | | |
| Mesothelioma Malignant | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Thymus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Thymoma Benign | | | | | | | | | | | | | | | | | | | | | | | | | | |

INTEGUMENTARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Mammary Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Adenocarcinoma | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Adenoma | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Fibroadenoma | | | | | X | | | | | | | | | | | | | | | | | | | | | X |
| Skin | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Squamous Cell Carcinoma | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Squamous Cell Papilloma | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Lip, Fibrous Histiocytoma | | | | | | | | | | | | | | | | | | | | | | | | | X | |
| Subcutaneous Tissue, Fibroma | | | | | | | | | | | | | | | | | | | | | | | | | X | |
| Subcutaneous Tissue, Fibrosarcoma | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Subcutaneous Tissue, Fibrous Histiocytoma | | | | | | | | | | | | | | | | | | | | | | | | | X | |
| Subcutaneous Tissue, Lipoma | | | | | | | | | | | | | | | | | | | | | | | | | | X |
| Subcutaneous Tissue, Liposarcoma | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Subcutaneous Tissue, Schwannoma Malignant | | | | | | | | | | | | | | | | | | | | | | | | | | |

MUSCULOSKELETAL SYSTEM

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

Experiment Number: 10119 - 01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
Furan
CAS Number: 110-00-9

Date Report Requested: 06/03/2014
Time Report Requested: 08:42:42
First Dose M/F: 09/07/09 / NA
Lab: NCTR

| DAY ON TEST | FISCHER 344 RATS-NCTR RATS MALE | | | | | | | | | | | | | | | | | | | | ANIMAL ID | males (cont...) | |
|-------------|---------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|-----------------|---|
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | 0 |
| 7 | 7 | 6 | 5 | 7 | 7 | 5 | 5 | 6 | 7 | 7 | 6 | 5 | 6 | 4 | 6 | 5 | 7 | 4 | 7 | 5 | 7 | 7 | 3 |
| 2 | 2 | 9 | 6 | 2 | 2 | 9 | 2 | 8 | 2 | 2 | 2 | 2 | 7 | 5 | 1 | 6 | 2 | 8 | 2 | 0 | 2 | 2 | 5 |
| 8 | 8 | 2 | 5 | 8 | 8 | 6 | 2 | 4 | 8 | 8 | 0 | 9 | 1 | 7 | 0 | 1 | 9 | 0 | 8 | 8 | 7 | 8 | 2 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 5 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 0 | 3 |
| 3 | 4 | 4 | 5 | 6 | 6 | 9 | 9 | 0 | 1 | 1 | 8 | 8 | 9 | 0 | 0 | 9 | 9 | 0 | 1 | 2 | 2 | 9 | 9 |
| 2 | 1 | 2 | 1 | 1 | 2 | 1 | 2 | 1 | 1 | 2 | 1 | 2 | 1 | 1 | 2 | 1 | 2 | 2 | 1 | 2 | 2 | 1 | 2 |

Bone
Mandible, Osteosarcoma
Vertebra, Osteosarcoma

+

Bone, Femur

+ +

Skeletal Muscle
Fibrous Histiocytoma
Lipoma
Mesothelioma Malignant
Rhabdomyosarcoma

+

+

X

NERVOUS SYSTEM

Brain, Brain Stem
Astrocytoma Malignant
Leukemia Mononuclear

+ +

Brain, Cerebellum
Granular Cell Tumor Benign
Leukemia Mononuclear

+ + + + + + + + + X + + + + + + + + + + + + + +

Brain, Cerebrum
Astrocytoma Malignant
Carcinoma, Metastatic, Pituitary Gland
Granular Cell Tumor Malignant
Leukemia Mononuclear

+ X

Peripheral Nerve

* .. Total animals with tissue examined microscopically; Total animals with tumor
+ .. Tissue examined microscopically
X .. Lesion present
I .. Insufficient tissue

M .. Missing tissue
A .. Autolysis precludes evaluation
BLANK .. Not examined microscopically

Experiment Number: 10119 - 01
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Furan
 CAS Number: 110-00-9

Date Report Requested: 06/03/2014
 Time Report Requested: 08:42:42
 First Dose M/F: 09/07/09 / NA
 Lab: NCTR

| | | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | |
|--|-------------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 | |
| FISCHER 344 RATS-NCTR RATS MALE | | 7 | 7 | 6 | 5 | 7 | 7 | 5 | 5 | 6 | 7 | 7 | 6 | 5 | 6 | 4 | 6 | 5 | 7 | 4 | 7 | 5 | 7 | 7 | 3 |
| | 0 Vehicle 104 wk | 8 | 8 | 9 | 6 | 2 | 2 | 9 | 2 | 8 | 2 | 2 | 2 | 2 | 9 | 7 | 5 | 1 | 6 | 2 | 8 | 2 | 0 | 2 | 5 |
| | ANIMAL ID | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| | | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 |
| | | 3 | 4 | 4 | 5 | 6 | 6 | 9 | 9 | 0 | 1 | 1 | 1 | 1 | 8 | 8 | 9 | 9 | 9 | 0 | 1 | 2 | 2 | 2 | 2 |
| | | 2 | 1 | 2 | 1 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 2 | 2 | 2 | 1 | 2 | 2 |
| | | | | | | | | | | | | | | | | | | | | | | | | | |

males
(cont...)

Spinal Cord, Cervical
 Spinal Cord, Lumbar
 Spinal Cord, Thoracic

RESPIRATORY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | |
|------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lung | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Alveolar/Bronchiolar Adenoma | | | | | | | | | | | | | | | | | | | | | | | | |
| Fibrous Histiocytoma | | | | | | | | | | | | | | | | | | | | | | X | | |
| Leukemia Mononuclear | | | | | | X | | | X | | X | | | X | | | | | | | X | X | X | |
| Squamous Cell Carcinoma | | | | | | | | | | | | | | | | | | | | | | | | |
| Nose | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Trachea | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |

SPECIAL SENSES SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | |
|--------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Ear | | | | | | | | | | | | | | | | | | | | | | | | |
| Neural Crest Tumor | | | | | | | | | | | | | | | | | | | | | | | | |
| Eye | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + |
| Harderian Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Zymbal's Gland | | | | | | | | | | | | | | | | | | | | | | | | |
| Adenoma | | | | | | | | | | | | | | | | | | | | | | | | |
| Carcinoma | | | | | | | | | | | | | | | | | | | | | | | | |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

Experiment Number: 10119 - 01
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Furan
 CAS Number: 110-00-9

Date Report Requested: 06/03/2014
 Time Report Requested: 08:42:42
 First Dose M/F: 09/07/09 / NA
 Lab: NCTR

| | | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | males
(cont...) | | | |
|--|-------------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--------------------|---|---|---|
| FISCHER 344 RATS-NCTR RATS
MALE | 0 Vehicle 104 wk | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 | 3 |
| | | 7 | 7 | 6 | 5 | 7 | 7 | 5 | 5 | 6 | 7 | 7 | 6 | 5 | 6 | 4 | 6 | 5 | 7 | 4 | 7 | 7 | 5 | 7 | 7 | | 8 | 7 | 5 |
| | | 2 | 2 | 9 | 6 | 2 | 2 | 9 | 2 | 8 | 2 | 2 | 2 | 2 | 7 | 5 | 1 | 6 | 2 | 8 | 2 | 8 | 2 | 0 | 2 | 2 | 2 | 8 | 2 |
| | ANIMAL ID | 8 | 8 | 2 | 5 | 8 | 8 | 6 | 2 | 4 | 8 | 8 | 0 | 9 | 1 | 7 | 1 | 9 | 0 | 8 | 8 | 8 | 9 | 9 | 1 | 2 | 2 | 2 | 2 |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| | | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 |
| | | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 3 |
| | | 3 | 4 | 4 | 4 | 5 | 6 | 9 | 9 | 0 | 1 | 1 | 1 | 8 | 8 | 8 | 9 | 9 | 9 | 0 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| | | 2 | 1 | 2 | 1 | 1 | 2 | 1 | 2 | 1 | 1 | 2 | 1 | 2 | 1 | 1 | 2 | 1 | 2 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |

Squamous Cell Carcinoma X

URINARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Kidney | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Leukemia Mononuclear | | | | | | | | | | X | | | | | | | | | | | | | | | | | | | |
| Transitional Epithelial Carcinoma | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Renal Tubule, Adenoma | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Renal Tubule, Carcinoma | | | | | | | | | | | X | | | | | | | | | | | | | | | | | | |
| Urinary Bladder | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Mesothelioma Malignant | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

SYSTEMIC LESIONS

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|
| Multiple Organ | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Leukemia Mononuclear | | X | | | | X | | | X | | X | | | X | | | | | | | X | X | X | | | | | | |
| Mesothelioma Malignant | | | | | | | | | | | | X | | | | | | | | | | | | | | | | | |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

Experiment Number: 10119 - 01
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Furan
 CAS Number: 110-00-9

Date Report Requested: 06/03/2014
 Time Report Requested: 08:42:42
 First Dose M/F: 09/07/09 / NA
 Lab: NCTR

| DAY ON TEST | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|--|-------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| FISCHER 344 RATS-NCTR RATS MALE | | 5 | 5 | 6 | 6 | 7 | 5 | 7 | 6 | 6 | 7 | 7 | 6 | 7 | 5 | 7 | 5 | 7 | 6 | 6 | 5 | 6 | 6 | 7 | 7 |
| | | 0 | 2 | 9 | 5 | 2 | 6 | 2 | 9 | 2 | 1 | 2 | 7 | 2 | 6 | 2 | 2 | 2 | 8 | 2 | 2 | 9 | 6 | 0 | 2 |
| | 0 Vehicle 104 wk | 3 | 0 | 6 | 4 | 8 | 3 | 8 | 9 | 2 | 7 | 8 | 4 | 8 | 3 | 8 | 8 | 8 | 0 | 4 | 7 | 0 | 3 | 9 | 2 |
| | ANIMAL ID | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 |
| | | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 5 | 5 | 6 | 6 | 6 | 6 | 7 | 7 | 8 | 8 | 8 | 0 | 0 | 0 | 0 |
| | | 3 | 3 | 4 | 4 | 5 | 4 | 5 | 6 | 6 | 9 | 9 | 0 | 1 | 1 | 2 | 2 | 9 | 9 | 0 | 1 | 1 | 6 | 6 | 7 |
| | | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 2 | 1 | 2 | 1 | 2 | 1 | 1 |

males
(cont...)

ALIMENTARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Esophagus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Large, Cecum | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | |
| Mesothelioma Malignant | | | | | | | | | | | | | | | | | | | | | | | | |
| Intestine Large, Colon | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + |
| Mesothelioma Malignant | | | | | | | | | | | | | | | | | | | | | | | | |
| Intestine Large, Rectum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + |
| Intestine Small, Duodenum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + |
| Mesothelioma Malignant | | | | | | | | | | | | | | | | | | | | | | | | |
| Intestine Small, Ileum | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + |
| Mesothelioma Malignant | | | | | | | | | | | | | | | | | | | | | | | | |
| Intestine Small, Jejunum | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + |
| Mesothelioma Malignant | | | | | | | | | | | | | | | | | | | | | | | | |
| Liver | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Hepatocellular Adenoma | | | | | | | | | | | | | | | | | | | | | | | | |
| Hepatocellular Carcinoma | | | | | | | | | | | | | | | | | | | | | | | | |
| Leukemia Mononuclear | | | | | | X | | | | | X | | | | X | X | X | X | | | | X | X | X |
| Mesothelioma Malignant | | | | | | | | | | | | | | | | | | | | | | | | |
| Mesentery | | | | | | | | | | | | | | | | | | | | | | | | |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

Experiment Number: 10119 - 01
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Furan
 CAS Number: 110-00-9

Date Report Requested: 06/03/2014
 Time Report Requested: 08:42:42
 First Dose M/F: 09/07/09 / NA
 Lab: NCTR

| FISCHER 344 RATS-NCTR RATS
MALE
0 Vehicle 104 wk | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | ANIMAL ID | males
(cont...) | | |
|--|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|--------------------|---|---|
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | 0 | |
| | 5 | 5 | 6 | 6 | 7 | 5 | 7 | 6 | 6 | 7 | 7 | 6 | 7 | 5 | 7 | 5 | 7 | 6 | 6 | 5 | 6 | | | 6 | 7 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 3 | 0 | 6 | 4 | 8 | 3 | 8 | 9 | 2 | 7 | 8 | 4 | 8 | 3 | 8 | 8 | 8 | 0 | 4 | 7 | 0 | 3 | 9 | 2 | 8 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 |
| | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 5 | 5 | 6 | 6 | 6 | 6 | 7 | 7 | 8 | 8 | 8 | 8 | 0 | 0 | 0 | 0 |
| | 3 | 3 | 4 | 4 | 5 | 4 | 5 | 6 | 6 | 9 | 9 | 0 | 1 | 1 | 2 | 2 | 9 | 9 | 0 | 1 | 1 | 6 | 6 | 7 | 8 |
| | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 |
| Lipoma | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mesothelioma Malignant | | | | | | | | | | | | | | | | | | | | | | | | | |
| Oral Mucosa | | | | | | | | | | | | | | | | | | | | | | | | | |
| Squamous Cell Papilloma | | | | | | | | | | | | | | | | | | | | | | | | | |
| Pancreas | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Leukemia Mononuclear | | | | X | | | | | | | | | | | | | X | | | | | | | | |
| Mesothelioma Malignant | | | | | | | | | | | | | | | | | | | | | | | | | |
| Acinar Cell, Adenoma | | | | | X | | | X | | | X | | | | | | | | | | | | | | X |
| Acinar Cell, Adenoma, Multiple | | | | | | | | | | | X | | | | | | | | X | | | | | | |
| Acinar Cell, Carcinoma | | | | | | | | | | | | | | | | | | | | | | | | | |
| Salivary Glands | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | X | | | | | | | | |
| Stomach, Forestomach | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Mesothelioma Malignant | | | | | | | | | | | | | | | | | | | | | | | | | |
| Stomach, Glandular | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | |
| Mesothelioma Malignant | | | | | | | | | | | | | | | | | | | | | | | | | |
| Tongue | | | | | | | | | | | | | | | | | | | | | | | | | |
| Squamous Cell Papilloma | | | | | | | | | | | | | | | | | | | | | | | | | |
| CARDIOVASCULAR SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | |
| Blood Vessel | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | | X |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

Experiment Number: 10119 - 01
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Furan
 CAS Number: 110-00-9

Date Report Requested: 06/03/2014
 Time Report Requested: 08:42:42
 First Dose M/F: 09/07/09 / NA
 Lab: NCTR

| FISCHER 344 RATS-NCTR RATS
MALE
0 Vehicle 104 wk | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | ANIMAL ID | males
(cont...) |
|--|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----------|--------------------|
| | 0503 | 0500 | 0606 | 0604 | 0708 | 0703 | 0708 | 0609 | 0602 | 0701 | 0702 | 0607 | 0704 | 0808 | 0506 | 0708 | 0508 | 0708 | 0600 | 0604 | 0507 | 0600 | 0603 | 0709 | | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| | 1 | 2 | 4 | 1 | 2 | 5 | 4 | 5 | 6 | 6 | 9 | 1 | 2 | 2 | 1 | 2 | 2 | 1 | 2 | 2 | 1 | 2 | 1 | 2 | 1 | 1 |

Heart
 Leukemia Mononuclear
 Schwannoma Malignant

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Heart | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Leukemia Mononuclear | | | | X | | | | | | | | | | | | | | | X | | | | X | X | | |
| Schwannoma Malignant | | | | | | | | | | | | | | | | | | | | | | | | | | |

ENDOCRINE SYSTEM

Adrenal Cortex
 Leukemia Mononuclear

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Adrenal Cortex | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | X | | X | | | | | | | | |

Adrenal Medulla
 Leukemia Mononuclear
 Pheochromocytoma Benign
 Pheochromocytoma Malignant
 Bilateral, Pheochromocytoma Benign
 Bilateral, Pheochromocytoma Malignant

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Adrenal Medulla | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | X | | X | | | | | X | | | |
| Pheochromocytoma Benign | X | X | | | | | | | X | | | | X | X | | | | X | | | X | | | | | |
| Pheochromocytoma Malignant | | | X | | X | | | | | | | | | | | | | | | | | | | | X | |
| Bilateral, Pheochromocytoma Benign | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bilateral, Pheochromocytoma Malignant | | | | | | | | | | | | | | | | | | | | | | | | | | |

Islets, Pancreatic
 Adenoma
 Carcinoma

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Islets, Pancreatic | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Adenoma | | | | | | X | | | | | | | | | | | | | | | | | X | | | X |
| Carcinoma | | | | | | | | | X | | | | | | | | | | | | | | | | | |

Parathyroid Gland
 Adenoma

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Parathyroid Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Adenoma | | | | | | | | | | | | | | | | | | | | | | | | | | |

Pituitary Gland
 Craniopharyngioma
 Leukemia Mononuclear
 Pars Distalis, Adenoma
 Pars Distalis, Carcinoma
 Pars Intermedia, Adenoma

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Pituitary Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Craniopharyngioma | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | X | | X | | | | | | | | |
| Pars Distalis, Adenoma | X | | X | X | X | X | | | X | X | | | | X | | | X | | X | X | X | X | X | X | X | X |
| Pars Distalis, Carcinoma | | | | | | | | X | | | | X | | | | | | | | | | | | | | |
| Pars Intermedia, Adenoma | | | | | | | | | | | X | | | | | | | | | | | | | | | |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

Experiment Number: 10119 - 01
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Furan
 CAS Number: 110-00-9

Date Report Requested: 06/03/2014
 Time Report Requested: 08:42:42
 First Dose M/F: 09/07/09 / NA
 Lab: NCTR

| FISCHER 344 RATS-NCTR RATS
MALE
0 Vehicle 104 wk | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | ANIMAL ID | males
(cont...) |
|--|-------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----------|--------------------|
| | 053 | 050 | 066 | 064 | 072 | 073 | 067 | 068 | 069 | 062 | 071 | 078 | 064 | 078 | 053 | 078 | 058 | 068 | 064 | 057 | 066 | 063 | 079 | 072 | | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | 3 | 0 | 6 | 4 | 8 | 3 | 8 | 9 | 2 | 7 | 8 | 4 | 8 | 3 | 8 | 8 | 0 | 4 | 7 | 0 | 3 | 9 | 0 | 2 | 8 | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | |
| | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 5 | 5 | 6 | 6 | 6 | 6 | 7 | 7 | 8 | 8 | 8 | 0 | 0 | 0 | 0 | | |
| | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 1 | 6 | 6 | 8 | |

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Seminal Vesicle | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + |
| Mesothelioma Malignant | | | | | | | | | | | | | | | | | | | | | | | | | |
| Testes | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mesothelioma Malignant | | | | | | | | | | | | | | | | | | | | | | X | | | |
| Bilateral, Interstitial Cell, Adenoma | | | | | | | | | | | | | X | | X | | | | | | | | X | X | |
| Interstitial Cell, Adenoma | | | X | | X | X | X | X | | | | X | X | | | | X | | | | | X | | | X |

HEMATOPOIETIC SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Bone Marrow | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Leukemia Mononuclear | | | | X | | | | | | | | | | | | | X | X | | | | X | X | | |
| Lymph Node | | | | + | | | | | | + | | | | | | + | + | | | | + | + | + | + | + |
| Axillary, Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | X | | | |
| Cervical, Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | X | | | |
| Deep Cervical, Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hepatic, Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | | |
| Lumbar, Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | X | | | X |
| Lumbar, Squamous Cell Carcinoma, Metastatic, Preputial Gland | | | | | | | | | | | | | | | | | | | | | | | | | X |
| Mediastinal, Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | X | | | X |
| Pancreatic, Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | X | X | | X |
| Renal, Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | X | | | X |
| Lymph Node, Mandibular | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | X | | | X |
| Lymph Node, Mesenteric | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

Experiment Number: 10119 - 01
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Furan
 CAS Number: 110-00-9

Date Report Requested: 06/03/2014
 Time Report Requested: 08:42:42
 First Dose M/F: 09/07/09 / NA
 Lab: NCTR

| FISCHER 344 RATS-NCTR RATS
MALE
0 Vehicle 104 wk | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | ANIMAL ID | males
(cont...) |
|--|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----------|--------------------|
| | 0503 | 0500 | 0606 | 0604 | 0708 | 0705 | 0707 | 0606 | 0609 | 0702 | 0701 | 0702 | 0607 | 0708 | 0503 | 0708 | 0508 | 0708 | 0600 | 0604 | 0507 | 0600 | 0603 | 0709 | | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 3 | 0 | 6 | 4 | 8 | 3 | 8 | 9 | 2 | 7 | 8 | 4 | 8 | 3 | 8 | 8 | 8 | 0 | 4 | 7 | 0 | 3 | 9 | 6 | 2 | 8 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 |
| | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 5 | 5 | 6 | 6 | 6 | 6 | 7 | 7 | 8 | 8 | 8 | 8 | 0 | 0 | 0 | 0 | 0 |
| | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 1 |

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Leukemia Mononuclear | X | | | | | | | | | | | | | | | | X | X | X | | | | | | | |
| Spleen | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Leukemia Mononuclear | X | | | | | | | | | | | | | | | | X | X | X | X | X | | | | | |
| Mesothelioma Malignant | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Thymus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | M |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | | X | | | | | | | | |
| Thymoma Benign | | | | | | | | | | | | | | | | | | | | | | | | | | |

INTEGUMENTARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Mammary Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Adenocarcinoma | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Adenoma | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Fibroadenoma | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Skin | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Squamous Cell Carcinoma | | | | | | | | | | | X | | | | | | | | | | | | | | | |
| Squamous Cell Papilloma | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Lip, Fibrous Histiocytoma | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Subcutaneous Tissue, Fibroma | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Subcutaneous Tissue, Fibrosarcoma | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Subcutaneous Tissue, Fibrous Histiocytoma | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Subcutaneous Tissue, Lipoma | | | | | | | | | | | | | | | | | | | | | | | | X | | |
| Subcutaneous Tissue, Liposarcoma | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Subcutaneous Tissue, Schwannoma Malignant | | | | | | | | | | | | | | | | | | | | | | | | | | |

MUSCULOSKELETAL SYSTEM

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

Experiment Number: 10119 - 01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
Furan
CAS Number: 110-00-9

Date Report Requested: 06/03/2014
Time Report Requested: 08:42:42
First Dose M/F: 09/07/09 / NA
Lab: NCTR

| FISCHER 344 RATS-NCTR RATS
MALE
0 Vehicle 104 wk | DAY ON TEST | | | | | | | | | | | | | | | | | | | | ANIMAL ID | males
(cont...) | | | |
|--|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|--------------------|---|---|---|
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | 0 | | |
| | 5 | 5 | 6 | 6 | 7 | 5 | 7 | 6 | 6 | 7 | 7 | 6 | 7 | 5 | 7 | 5 | 7 | 6 | 6 | 5 | 6 | 6 | 7 | 7 | 7 |
| | 0 | 2 | 9 | 5 | 2 | 6 | 2 | 9 | 2 | 1 | 2 | 7 | 2 | 6 | 2 | 2 | 2 | 8 | 2 | 2 | 9 | 6 | 0 | 2 | 2 |
| | 3 | 0 | 6 | 4 | 8 | 3 | 8 | 9 | 2 | 7 | 8 | 4 | 8 | 3 | 8 | 8 | 8 | 0 | 4 | 7 | 0 | 3 | 9 | 2 | 8 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 |
| | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 5 | 5 | 6 | 6 | 6 | 6 | 7 | 7 | 8 | 8 | 8 | 8 | 0 | 0 | 0 | 0 |
| | 3 | 3 | 4 | 4 | 5 | 4 | 5 | 6 | 6 | 9 | 9 | 0 | 1 | 1 | 2 | 2 | 9 | 9 | 0 | 1 | 1 | 6 | 6 | 7 | 8 |
| | 1 | 2 | 1 | 2 | 1 | 2 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 |

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Bone | + | | | | | | | | | | | | | | | | | | | | | | | | |
| Mandible, Osteosarcoma | | | | | | | | | | | | | | | | | | | | | | | | | |
| Vertebra, Osteosarcoma | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bone, Femur | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Skeletal Muscle | | | | | | | | | | | | | | | | | | | | | | | | | |
| Fibrous Histiocytoma | | | | | | | | | | | | | | | | | | | | | | | | | |
| Lipoma | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mesothelioma Malignant | | | | | | | | | | | | | | | | | | | | | | | | | |
| Rhabdomyosarcoma | | | | | | | | | | | | | | | | | | | | | | | | | |

| NERVOUS SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Brain, Brain Stem | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Astrocytoma Malignant | | | | | | | | | | | | | | | | | | | | | | | | | |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | | |
| Brain, Cerebellum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Granular Cell Tumor Benign | | | | | | | | | | | | | | | | | | | | | | | | | |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | | |
| Brain, Cerebrum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Astrocytoma Malignant | | | | | | | | | | | | | | | | | | | | | | | | | |
| Carcinoma, Metastatic, Pituitary Gland | | | | | | | | | | | | | | | | | | | | | | | | | |
| Granular Cell Tumor Malignant | | | | | | | | | | | | | | | | | | | | | | | | | |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | | |
| Peripheral Nerve | | | | | | | | | | | | | | | | | | | | | | | | | |

* .. Total animals with tissue examined microscopically; Total animals with tumor
+ .. Tissue examined microscopically
X .. Lesion present
I .. Insufficient tissue
M .. Missing tissue
A .. Autolysis precludes evaluation
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 First Dose M/F: 09/07/09 / NA
 Lab: NCTR

| FISCHER 344 RATS-NCTR RATS
MALE
0 Vehicle 104 wk | DAY ON TEST | | | | | | | | | | | | | | | | | | | | males
(cont...) | | | | |
|--|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--------------------|---|---|---|---|
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | | | |
| | 5 | 5 | 6 | 6 | 7 | 5 | 7 | 6 | 6 | 7 | 7 | 6 | 7 | 5 | 7 | 5 | 7 | 6 | 6 | 5 | | 6 | 6 | 7 | 7 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 2 | 2 | 9 | 5 | 2 | 6 | 2 | 9 | 2 | 1 | 2 | 7 | 2 | 6 | 2 | 2 | 2 | 8 | 2 | 2 | 9 | 6 | 0 | 2 | 2 |
| | 3 | 0 | 6 | 4 | 8 | 3 | 8 | 9 | 2 | 7 | 8 | 4 | 8 | 3 | 8 | 8 | 8 | 0 | 4 | 7 | 0 | 3 | 9 | 2 | 8 |
| ANIMAL ID | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 |
| | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 5 | 5 | 6 | 6 | 6 | 6 | 7 | 7 | 8 | 8 | 8 | 8 | 0 | 0 | 0 | 0 |
| | 3 | 3 | 4 | 4 | 5 | 4 | 5 | 6 | 6 | 9 | 9 | 0 | 1 | 1 | 2 | 2 | 9 | 9 | 0 | 1 | 1 | 6 | 6 | 7 | 8 |
| | 1 | 2 | 1 | 2 | 1 | 2 | 2 | 1 | 2 | 1 | 2 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 2 | 1 | 2 | 1 | 2 | 1 | 1 |

Spinal Cord, Cervical
 Spinal Cord, Lumbar
 Spinal Cord, Thoracic

RESPIRATORY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | |
|------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lung | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Alveolar/Bronchiolar Adenoma | | | | | | | | | | | | | | | | | | | | | | | | |
| Fibrous Histiocytoma | | | | | | | | | | | | | | | | | | | | | | | | |
| Leukemia Mononuclear | | | | X | | | | | | | | | | X | | X | | | | X | X | | | |
| Squamous Cell Carcinoma | | | | | | | | | | | | | | | | | | | | | | | | X |
| Nose | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Trachea | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |

SPECIAL SENSES SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | |
|--------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Ear | | | | | | | | | | | | | | | | | | | | | | | | |
| Neural Crest Tumor | | | | | | | | | | | | | | | | | | | | | | | | |
| Eye | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + |
| Harderian Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Zymbal's Gland | | | | | | | | | | | | + | | | | | + | | | | + | | | |
| Adenoma | | | | | | | | | | | | | | | | | X | | | | | | | |
| Carcinoma | | | | | | | | | | | X | | | | | | | | | | | | | |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

Experiment Number: 10119 - 01
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Furan
 CAS Number: 110-00-9

Date Report Requested: 06/03/2014
 Time Report Requested: 08:42:42
 First Dose M/F: 09/07/09 / NA
 Lab: NCTR

| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|------------------------------------|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----------------------------|
| DAY ON TEST | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | males
(cont...) |
| FISCHER 344 RATS-NCTR RATS
MALE | | 5 | 5 | 6 | 6 | 7 | 5 | 7 | 6 | 6 | 7 | 7 | 6 | 7 | 5 | 7 | 5 | 7 | 6 | 6 | 5 | 6 | 6 | 7 | 7 | 7 | |
| 0 Vehicle 104 wk | | 3 | 2 | 9 | 5 | 2 | 6 | 2 | 9 | 2 | 1 | 2 | 7 | 2 | 6 | 2 | 2 | 2 | 8 | 2 | 2 | 9 | 6 | 0 | 2 | 2 | |
| ANIMAL ID | | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | |
| | | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 5 | 5 | 6 | 6 | 6 | 6 | 7 | 7 | 8 | 8 | 0 | 1 | 1 | 6 | 7 | 8 | |
| | | 1 | 2 | 1 | 2 | 1 | 2 | 2 | 1 | 2 | 2 | 1 | 2 | 2 | 1 | 2 | 2 | 1 | 2 | 2 | 1 | 2 | 1 | 2 | 1 | 1 | |

Squamous Cell Carcinoma X

URINARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Kidney | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Leukemia Mononuclear | | | | X | | | | | | | | | | | | | | X | | | | | | | |
| Transitional Epithelial Carcinoma | | | | | | | | | | | | | | | | | | | | | | | | | |
| Renal Tubule, Adenoma | | | | | | | | | | | | | | | | | | | | | | | | | |
| Renal Tubule, Carcinoma | | | | | | | | | | | X | | | | | | | | | | | | | | |
| Urinary Bladder | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Mesothelioma Malignant | | | | | | | | | | | | | | | | | | | | | | | | | |

SYSTEMIC LESIONS

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Multiple Organ | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Leukemia Mononuclear | | | | X | | | | | | X | X | | X | X | X | X | | | | X | X | X | | | |
| Mesothelioma Malignant | | | | | | | | | | | | | | | | | | | | | | X | | | |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

Experiment Number: 10119 - 01
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Furan
 CAS Number: 110-00-9

Date Report Requested: 06/03/2014
 Time Report Requested: 08:42:42
 First Dose M/F: 09/07/09 / NA
 Lab: NCTR

| DAY ON TEST | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|--|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------------|---|---|
| FISCHER 344 RATS-NCTR RATS MALE | | 6 | 5 | 7 | 6 | 6 | 5 | 6 | 5 | 7 | 6 | 6 | 5 | 5 | 7 | 7 | 6 | 5 | 7 | 7 | 5 | 5 | 6 | 7 | 3 | 6 |
| | | 3 | 5 | 2 | 7 | 9 | 4 | 8 | 2 | 2 | 2 | 9 | 6 | 1 | 0 | 0 | 7 | 0 | 2 | 2 | 3 | 7 | 4 | 2 | 4 | 5 |
| | | 4 | 2 | 8 | 6 | 8 | 2 | 4 | 3 | 8 | 4 | 7 | 9 | 1 | 2 | 2 | 5 | 6 | 9 | 9 | 1 | 0 | 3 | 8 | 6 | 3 |
| 0 Vehicle 104 wk | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| | | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 5 | 5 | |
| | | 8 | 3 | 3 | 4 | 4 | 5 | 6 | 6 | 8 | 8 | 9 | 0 | 6 | 6 | 7 | 8 | 8 | 7 | 7 | 8 | 8 | 9 | 9 | 0 | 0 |
| | | 2 | 1 | 2 | 1 | 2 | 2 | 1 | 2 | 1 | 2 | 2 | 1 | 2 | 2 | 1 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 2 | |
| | | | | | | | | | | | | | | | | | | | | | | | | * TOTALS | | |

ALIMENTARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|------------|------------|
| Esophagus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 150 |
| Intestine Large, Cecum | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | A | + | A | + | + | + | + | 140 | |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | X | | 1 | |
| Mesothelioma Malignant | | | | | | | | | | | | | | | | X | | | | | | | | | 1 | |
| Intestine Large, Colon | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | A | + | + | + | 143 | |
| Mesothelioma Malignant | | | | | | | | | | | | | | | | X | | | | | | | | | 1 | |
| Intestine Large, Rectum | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | A | + | A | + | + | + | 143 | |
| Intestine Small, Duodenum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | A | + | + | + | 144 | |
| Mesothelioma Malignant | | | | | | | | | | | | | | | | X | | | | | | | | | 1 | |
| Intestine Small, Ileum | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | A | + | A | + | + | + | 139 | |
| Mesothelioma Malignant | | | | | | | | | | | | | | | | X | | | | | | | | | 1 | |
| Intestine Small, Jejunum | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | A | + | A | + | + | + | 140 | |
| Mesothelioma Malignant | | | | | | | | | | | | | | | | X | | | | | | | | | 1 | |
| Liver | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | 149 | |
| Hepatocellular Adenoma | | | | | | | | | | | X | | | | | | | | | | | | X | | 2 | |
| Hepatocellular Carcinoma | | | | | | | | | | | | | | | | | | | | | | | | | 3 | |
| Leukemia Mononuclear | | | | | | | X | | | | | X | | | X | X | | X | | | | X | | | 46 | |
| Mesothelioma Malignant | | | | | | | | | | | | | | | | X | | | | | | | | | 1 | |
| Mesentery | | | | | + | + | | | | | | | | | + | | | | | | | | | | 31 | |
| Leukemia Mononuclear | | | | | | | | | | + | + | | | | | | | | | | | | | | 1 | |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

Experiment Number: 10119 - 01
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Furan
 CAS Number: 110-00-9

Date Report Requested: 06/03/2014
 Time Report Requested: 08:42:42
 First Dose M/F: 09/07/09 / NA
 Lab: NCTR

| FISCHER 344 RATS-NCTR RATS
MALE
0 Vehicle 104 wk | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | * TOTALS | |
|--|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------|--|
| | 0634 | 0552 | 0778 | 0676 | 0694 | 0582 | 0664 | 0583 | 0728 | 0664 | 0559 | 0651 | 0770 | 0672 | 0565 | 0677 | 0573 | 0657 | 0644 | 0728 | 0638 | 0576 | 0673 | 0645 | | |
| ANIMAL ID | 04082 | 04131 | 04113 | 04111 | 04111 | 04151 | 04111 | 04122 | 04188 | 04188 | 04222 | 04222 | 04222 | 04233 | 04233 | 04233 | 04233 | 04244 | 04244 | 04244 | 04244 | 04244 | 04255 | 04255 | | |
| Lipoma | | | | | | | | | | | | | | | | | | | | | | | | | 1 | |
| Mesothelioma Malignant | | | | | | | | | | | | | | | | | X | | | | | | | | 1 | |
| Oral Mucosa | | | | | | | | | | | | | | | | | | | | | | | | | 1 | |
| Squamous Cell Papilloma | | | | | | | | | | | | | | | | | | | | | | | | | 1 | |
| Pancreas | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 150 | |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | | 4 | |
| Mesothelioma Malignant | | | | | | | | | | | | | | | | | | X | | | | | | | 1 | |
| Acinar Cell, Adenoma | | | | | X | | | | | X | | | | | | | | | | | | | | | 22 | |
| Acinar Cell, Adenoma, Multiple | | | | | | | | X | | | X | | | | X | | | | X | X | | | | | 17 | |
| Acinar Cell, Carcinoma | | | | | | | | | | | | | | | | | | | | | | | | | 1 | |
| Salivary Glands | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 150 | |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | | 1 | |
| Stomach, Forestomach | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 149 | |
| Mesothelioma Malignant | | | | | | | | | | | | | | | | | | X | | | | | | | 1 | |
| Stomach, Glandular | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | A | + | + | 146 | |
| Mesothelioma Malignant | | | | | | | | | | | | | | | | | | X | | | | | | | 1 | |
| Tongue | | | | | | | | | | | | | | | | | | | | | | | | | 1 | |
| Squamous Cell Papilloma | | | | | | | | | | | | | | | | | | | | | | | | | 1 | |
| CARDIOVASCULAR SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Blood Vessel | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 150 | |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | | 1 | |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

Experiment Number: 10119 - 01
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Furan
 CAS Number: 110-00-9

Date Report Requested: 06/03/2014
 Time Report Requested: 08:42:42
 First Dose M/F: 09/07/09 / NA
 Lab: NCTR

| FISCHER 344 RATS-NCTR RATS
MALE
0 Vehicle 104 wk | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | | * TOTALS | |
|--|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------|--|
| | 0634 | 0552 | 0728 | 0676 | 0669 | 0542 | 0668 | 0523 | 0728 | 0664 | 0667 | 0559 | 0551 | 0700 | 0770 | 0665 | 0570 | 0773 | 0551 | 0567 | 0674 | 0728 | 0342 | 0636 | 0353 | | |
| ANIMAL ID | 04082 | 04131 | 04113 | 04111 | 04111 | 04111 | 04111 | 04122 | 04122 | 04122 | 04122 | 04133 | 04133 | 04133 | 04133 | 04133 | 04133 | 04144 | 04144 | 04144 | 04144 | 04144 | 04155 | 04155 | 04155 | | |
| Heart | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 150 | | |
| Leukemia Mononuclear | | | | | | | X | | | | | | | X | X | | | | | | | | X | | 21 | | |
| Schwannoma Malignant | | | | | | | | | | | | | | | | X | | | | | | | | | 6 | | |
| ENDOCRINE SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Adrenal Cortex | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 150 | | |
| Leukemia Mononuclear | | | | | | | X | | | | | | | | X | | | | | | | | | | 11 | | |
| Adrenal Medulla | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 150 | | |
| Leukemia Mononuclear | | | | | | | X | | | | | | | | X | | | | | | | | | | 15 | | |
| Pheochromocytoma Benign | | | | | X | | | | X | X | | | | X | | | | | | | X | | | | 31 | | |
| Pheochromocytoma Malignant | | | | | | | | | | | | | | | | | | | | | | | | | 4 | | |
| Bilateral, Pheochromocytoma Benign | | | | | | | X | | | | | | | | | | | | | | | | | | 9 | | |
| Bilateral, Pheochromocytoma Malignant | | | | | | | | | | | | | | | | | | | | | | X | | | 1 | | |
| Islets, Pancreatic | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 150 | | |
| Adenoma | | | | X | | X | | | | | | | | | | X | | X | | | | | | | 23 | | |
| Carcinoma | | | | | | | | | X | | | | | | | | | | | | | | | | 3 | | |
| Parathyroid Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | 149 | | |
| Adenoma | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| Pituitary Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 150 | | |
| Craniopharyngioma | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| Leukemia Mononuclear | | | | | | | | | | | | | | | X | | | | | | | | | | 7 | | |
| Pars Distalis, Adenoma | | | | X | X | X | | X | X | X | X | X | X | X | X | | X | X | X | | X | X | X | X | 104 | | |
| Pars Distalis, Carcinoma | | | | | | | | | | | | | | | | | | | | | | | | | 2 | | |
| Pars Intermedia, Adenoma | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

Experiment Number: 10119 - 01
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Furan
 CAS Number: 110-00-9

Date Report Requested: 06/03/2014
 Time Report Requested: 08:42:42
 First Dose M/F: 09/07/09 / NA
 Lab: NCTR

| FISCHER 344 RATS-NCTR RATS
MALE
0 Vehicle 104 wk | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | * TOTALS | | |
|--|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------|------|--|
| | 0634 | 0552 | 0778 | 0667 | 0669 | 0554 | 0668 | 0552 | 0663 | 0778 | 0664 | 0667 | 0559 | 0551 | 0770 | 0772 | 0665 | 0779 | 0557 | 0553 | 0664 | 0778 | 0346 | 0663 | | 0345 | |
| ANIMAL ID | 04082 | 04131 | 04113 | 04111 | 04111 | 04111 | 04111 | 04122 | 04122 | 04122 | 04133 | 04133 | 04133 | 04133 | 04133 | 04133 | 04133 | 04144 | 04144 | 04144 | 04144 | 04144 | 04155 | 04155 | 04155 | | |
| Thyroid Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 150 | | |
| C-cell, Adenoma | | | | | | | | | | | | | | X | | | | | | X | | | | | 10 | | |
| C-cell, Adenoma, Multiple | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| C-cell, Carcinoma | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| Follicular Cell, Carcinoma | | | | | | | | | | | | | | | | | | | | | | | | | 2 | | |
| GENERAL BODY SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Peritoneum | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| Tunica Vaginalis, Mesothelioma Malignant | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| Tissue NOS | | | | | | | | | | | | | | + | | | | | | | | | | | 2 | | |
| GENITAL SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Epididymis | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | 149 | | |
| Leukemia Mononuclear | | | | | | | | | | | | | | X | | | | | | | | | | | 2 | | |
| Mesothelioma Malignant | | | | | | | | | | | | | | | | X | | | | | | | | | 6 | | |
| Preputial Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 150 | | |
| Adenoma | | | | | | | | | | | | X | | | | | | | | | X | | | | 9 | | |
| Carcinoma | | | | | | | X | | | | | | | | | | | | | | | | | | 13 | | |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | | 4 | | |
| Squamous Cell Carcinoma | | | | | | | | | | | | | | | | | | | | | | | | | 3 | | |
| Prostate | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | 149 | | | |
| Adenoma | | | | | | | X | | | | | | | | | | | X | | | | X | | 5 | | | |
| Leukemia Mononuclear | | | | | | | | | | | | | | X | | | | | | | | | | 3 | | | |
| Mesothelioma Malignant | | | | | | | | | | | | | | | | X | | | | | | | | 1 | | | |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

Experiment Number: 10119 - 01
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Furan
 CAS Number: 110-00-9

Date Report Requested: 06/03/2014
 Time Report Requested: 08:42:42
 First Dose M/F: 09/07/09 / NA
 Lab: NCTR

| FISCHER 344 RATS-NCTR RATS
MALE
0 Vehicle 104 wk | DAY ON TEST | | | | | | | | | | | | | | | | | | | | * TOTALS | | | | | | |
|--|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------|------|------|------|------|------|------|
| | 0634 | 0552 | 0728 | 0676 | 0669 | 0548 | 0662 | 0553 | 0728 | 0664 | 0667 | 0559 | 0551 | 0770 | 0772 | 0665 | 0570 | 0772 | 0553 | 0570 | | 0664 | 0772 | 0348 | 0342 | 0664 | 0345 |
| ANIMAL ID | 04082 | 0413 | 0413 | 0411 | 0411 | 0411 | 0411 | 0411 | 0411 | 0411 | 0411 | 0411 | 0411 | 0411 | 0411 | 0411 | 0411 | 0411 | 0411 | 0411 | 0411 | 0411 | 0411 | 0411 | 0411 | 0411 | 0411 |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----|
| Seminal Vesicle | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | A | + | + | + | 143 |
| Mesothelioma Malignant | | | | | | | | | | | | | | | | | X | | | | | | | | | | 1 |
| Testes | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 150 |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Mesothelioma Malignant | | | | | | | | | | | | | | | | | | | | | | | | | | | 5 |
| Bilateral, Interstitial Cell, Adenoma | | | X | X | | X | | | | X | | | | | | | | | | | | | | | | | 32 |
| Interstitial Cell, Adenoma | | | | | | X | X | | | X | X | | | X | | X | | | | X | X | X | X | X | | | 46 |

HEMATOPOIETIC SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----|
| Bone Marrow | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | 148 |
| Leukemia Mononuclear | | | | | | | X | | | | | | | X | X | | | | | | | | X | | | | 27 |
| Lymph Node | | | | + | + | + | | | | | | | + | | + | + | | | | | A | | | | + | | 59 |
| Axillary, Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | | | | 3 |
| Cervical, Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | | | | 3 |
| Deep Cervical, Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Hepatic, Leukemia Mononuclear | | | | | | | | | | | | | | X | | | | | | | | | | | | | 1 |
| Lumbar, Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | | | | 10 |
| Lumbar, Squamous Cell Carcinoma, Metastatic, Preputial Gland | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Mediastinal, Leukemia Mononuclear | | | | | | | | | X | | | | | | | | | | | | | | | | | | 9 |
| Pancreatic, Leukemia Mononuclear | | | | | | | | | | | | | | | | X | | | | X | | | | | | | 19 |
| Renal, Leukemia Mononuclear | | | | | | | | | | | | | | | X | | | | | | | | | | | | 13 |
| Lymph Node, Mandibular | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 150 |
| Leukemia Mononuclear | | | | | | | X | | | | | | | | X | | | | | | | | | | | | 22 |
| Lymph Node, Mesenteric | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | 147 |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

Experiment Number: 10119 - 01
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Furan
 CAS Number: 110-00-9

Date Report Requested: 06/03/2014
 Time Report Requested: 08:42:42
 First Dose M/F: 09/07/09 / NA
 Lab: NCTR

| FISCHER 344 RATS-NCTR RATS
MALE
0 Vehicle 104 wk | DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | ANIMAL ID | * TOTALS |
|--|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|---|-----|-----------|----------|
| | 0634 | 0552 | 0728 | 0677 | 0669 | 0548 | 0652 | 0653 | 0722 | 0728 | 0664 | 0567 | 0551 | 0700 | 0702 | 0665 | 0570 | 0779 | 0751 | 0553 | 0577 | 0644 | 0728 | 0346 | 0353 | | | | |
| Leukemia Mononuclear | | | | | | | | X | | | | | | | X | | | | | | | | | X | | | 24 | | |
| Spleen | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 150 | | |
| Leukemia Mononuclear | | | | | | | | X | | | | | | X | | | | | | | | | | | X | | 47 | | |
| Mesothelioma Malignant | | | | | | | | | | | | | | | | | | | | | | | | | | X | 1 | | |
| Thymus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 144 | | |
| Leukemia Mononuclear | | | | | | | | X | | | | | | | X | | | | | | | | | | | | 10 | | |
| Thymoma Benign | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| INTEGUMENTARY SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mammary Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 150 | | |
| Adenocarcinoma | | | | | | | X | | | | | | | | | | | | | | | | | | | | 1 | | |
| Adenoma | | | | | | | | X | | | | | | | | | | | | | | | | | | | 1 | | |
| Fibroadenoma | | | | | | | | | | | | | X | | | | | | | | | | | | | | 7 | | |
| Skin | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 150 | | |
| Squamous Cell Carcinoma | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | | |
| Squamous Cell Papilloma | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| Lip, Fibrous Histiocytoma | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| Subcutaneous Tissue, Fibroma | | | | | | | | | | | | | | | | | | | | | | | | | | | 6 | | |
| Subcutaneous Tissue, Fibrosarcoma | | | | | | | | | | | X | | | | | | | | | | | | | | | | 2 | | |
| Subcutaneous Tissue, Fibrous Histiocytoma | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| Subcutaneous Tissue, Lipoma | | | | | | | | | | | | | | | | | | | | | | | | | | | 3 | | |
| Subcutaneous Tissue, Liposarcoma | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| Subcutaneous Tissue, Schwannoma Malignant | | | | | | | | | | | | | | | | | | | | | | | | | | X | 1 | | |
| MUSCULOSKELETAL SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

Experiment Number: 10119 - 01
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Furan
 CAS Number: 110-00-9

Date Report Requested: 06/03/2014
 Time Report Requested: 08:42:42
 First Dose M/F: 09/07/09 / NA
 Lab: NCTR

| FISCHER 344 RATS-NCTR RATS
MALE
0 Vehicle 104 wk | DAY ON TEST | | | | | | | | | | | | | | | | | | | | * TOTALS | | | |
|--|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------|-------|-------|-------|
| | 0634 | 0552 | 0778 | 0667 | 0669 | 0554 | 0668 | 0553 | 0772 | 0664 | 0665 | 0771 | 0667 | 0669 | 0550 | 0772 | 0663 | 0665 | 0771 | 0556 | | 0667 | 0346 | 0665 |
| ANIMAL ID | 04082 | 04131 | 04112 | 04111 | 04111 | 04111 | 04111 | 04122 | 04122 | 04122 | 04133 | 04133 | 04133 | 04133 | 04133 | 04144 | 04144 | 04144 | 04144 | 04144 | 04144 | 04155 | 04155 | 04155 |

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----|---|
| Bone | | | | | | | | | | | | | | | | | | | | | | | | | 5 |
| Mandible, Osteosarcoma | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Vertebra, Osteosarcoma | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Bone, Femur | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 150 | |
| Skeletal Muscle | | | | | | | | | | | | | | | | | | | | | | | | 7 | |
| Fibrous Histiocytoma | | | | | | | | | | | | | | | | | | | | | | | | 1 | |
| Lipoma | | | | | | | | | | | | | | | | | | | | | | | | 1 | |
| Mesothelioma Malignant | | | | | | | | | | | | | | | | | | | | | | | | 2 | |
| Rhabdomyosarcoma | | | | | | | | | | | | | | | | | | | | | | | | 1 | |

NERVOUS SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----|
| Brain, Brain Stem | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 150 |
| Astrocytoma Malignant | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Brain, Cerebellum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 150 |
| Granular Cell Tumor Benign | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | 2 |
| Brain, Cerebrum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 150 |
| Astrocytoma Malignant | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Carcinoma, Metastatic, Pituitary Gland | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Granular Cell Tumor Malignant | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Peripheral Nerve | | | | | | | | | | | | | | | | | | | | | | | | 1 |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

Experiment Number: 10119 - 01
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Furan
 CAS Number: 110-00-9

Date Report Requested: 06/03/2014
 Time Report Requested: 08:42:42
 First Dose M/F: 09/07/09 / NA
 Lab: NCTR

| FISCHER 344 RATS-NCTR RATS
MALE
0 Vehicle 104 wk | DAY ON TEST | | | | | | | | | | | | | | | | | | | | * TOTALS | | | |
|--|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------|-------|-------|------|
| | 0634 | 0552 | 0728 | 0676 | 0668 | 0542 | 0658 | 0523 | 0728 | 0662 | 0659 | 0551 | 0702 | 0772 | 0665 | 0579 | 0723 | 0551 | 0567 | 0642 | | 0728 | 0346 | 0653 |
| ANIMAL ID | 04082 | 04131 | 04131 | 04111 | 04111 | 04111 | 04111 | 04122 | 04122 | 04122 | 04133 | 04133 | 04133 | 04133 | 04133 | 04133 | 04144 | 04144 | 04144 | 04144 | 04144 | 04155 | 04155 | |
| Spinal Cord, Cervical | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Spinal Cord, Lumbar | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Spinal Cord, Thoracic | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| RESPIRATORY SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | |
| Lung | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 150 | |
| Alveolar/Bronchiolar Adenoma | | | | | | | | | | | | | | | | | | | | | | | 1 | |
| Fibrous Histiocytoma | | | | | | | | | | | | | | | | | | | | | | | 1 | |
| Leukemia Mononuclear | | | | | | | X | | | | | | X | X | | X | | | | X | | | 34 | |
| Squamous Cell Carcinoma | | | | | | | | | | | | | | | | | | | | | | | 1 | |
| Nose | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | 149 | |
| Trachea | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 150 | |
| SPECIAL SENSES SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | |
| Ear | | | | | | | | | | | | | | | | | | | | | | | 1 | |
| Neural Crest Tumor | | | | | | | | | | | | | | | | | | | | | | | 1 | |
| Eye | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | A | + | + | 144 | |
| Harderian Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 150 | |
| Zymbal's Gland | + | | | | | | | | | | | | | | | | | | | | | | 6 | |
| Adenoma | | | | | | | | | | | | | | | | | | | | | | | 1 | |
| Carcinoma | | | | | | | | | | | | | | | | | | | | | | | 1 | |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

Experiment Number: 10119 - 01
 Test Type: CHRONIC
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 Furan
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| FISCHER 344 RATS-NCTR RATS
MALE
0 Vehicle 104 wk | DAY ON TEST | | | | | | | | | | | | | | | | | | | | * TOTALS | | | |
|--|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------|-------|-------|------|
| | 0634 | 0552 | 0728 | 0676 | 0668 | 0542 | 0654 | 0583 | 0728 | 0662 | 0657 | 0551 | 0770 | 0772 | 0665 | 0579 | 0772 | 0553 | 0574 | 0642 | | 0738 | 0346 | 0653 |
| ANIMAL ID | 04082 | 04431 | 04432 | 04441 | 04442 | 04451 | 04452 | 04461 | 04462 | 04471 | 04472 | 04481 | 04482 | 04491 | 04492 | 04501 | 04502 | 04511 | 04512 | 04521 | 04522 | 04531 | 04532 | |

Squamous Cell Carcinoma

X

3

URINARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----|
| Kidney | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 150 |
| Leukemia Mononuclear | | | | | | | | | | | | | | | X | | | | | | | | | 14 |
| Transitional Epithelial Carcinoma | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Renal Tubule, Adenoma | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Renal Tubule, Carcinoma | | | | | | | | | | | | | | | | | | | | | | | | 3 |
| Urinary Bladder | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 150 |
| Mesothelioma Malignant | | | | | | | | | | | | | | | | X | | | | | | | | 1 |

SYSTEMIC LESIONS

| | | | | | | | | | | | | | | | | | | | | | | | | |
|------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----|
| Multiple Organ | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 150 |
| Leukemia Mononuclear | | | | | | | X | | | | X | | | X | X | | X | | | X | | | | 47 |
| Mesothelioma Malignant | | | | | | | | | | | | | | | X | | | | | | | | | 6 |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

Experiment Number: 10119 - 01
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Furan
 CAS Number: 110-00-9

Date Report Requested: 06/03/2014
 Time Report Requested: 08:42:42
 First Dose M/F: 09/07/09 / NA
 Lab: NCTR

| FISCHER 344 RATS-NCTR RATS
MALE
0.02 Furan 104wk | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | ANIMAL ID | males
(cont...) |
|--|-------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----------|--------------------|
| | 075 | 072 | 077 | 064 | 054 | 066 | 066 | 077 | 053 | 077 | 077 | 055 | 055 | 066 | 066 | 066 | 077 | 077 | 055 | 077 | 066 | 077 | 046 | 067 | | |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mesentery | + | + | | | | | | | | + | | | | | | | | | | + | | | | | | + |
| Adenocarcinoma, Metastatic, Prostate | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mesothelioma Malignant | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sarcoma | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Oral Mucosa | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Squamous Cell Carcinoma | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Pancreas | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Adenocarcinoma, Metastatic, Prostate | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Acinar Cell, Adenoma | X | | | | | | | | | | | | X | | | | | | | | | | | | | X |
| Acinar Cell, Adenoma, Multiple | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Acinar Cell, Carcinoma | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Salivary Glands | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Adenocarcinoma | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Stomach, Forestomach | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Stomach, Glandular | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Adenocarcinoma | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Tongue | | | | | | | | | | | | | | | | | | | | | | | | | | |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

Experiment Number: 10119 - 01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Furan
CAS Number: 110-00-9

Date Report Requested: 06/03/2014
Time Report Requested: 08:42:42
First Dose M/F: 09/07/09 / NA
Lab: NCTR

| FISCHER 344 RATS-NCTR RATS MALE
0.02 Furan 104wk | DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
|---|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----------------------------------|---|
| | ANIMAL ID | 7 | 7 | 7 | 6 | 5 | 6 | 6 | 7 | 5 | 3 | 7 | 7 | 5 | 5 | 6 | 6 | 6 | 7 | 7 | 5 | 7 | 6 | 7 | 4 | 6 |
| | | 2 | 2 | 2 | 4 | 4 | 9 | 4 | 2 | 7 | 5 | 0 | 2 | 2 | 7 | 2 | 2 | 2 | 2 | 8 | 2 | 8 | 2 | 5 | 6 | |
| | | 5 | 9 | 9 | 9 | 1 | 6 | 7 | 3 | 5 | 2 | 8 | 8 | 9 | 1 | 0 | 0 | 4 | 8 | 8 | 0 | 8 | 4 | 9 | 1 | 7 |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 |
| | | 0 | 0 | 0 | 1 | 1 | 1 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 7 | 7 | 7 | 7 | 7 | 7 | 1 | 1 | 1 | 1 | 1 | |
| | | 8 | 9 | 9 | 0 | 0 | 1 | 6 | 7 | 7 | 8 | 9 | 9 | 4 | 4 | 5 | 6 | 6 | 7 | 7 | 6 | 7 | 8 | 8 | 9 | |
| | | 2 | 1 | 2 | 1 | 2 | 1 | 1 | 2 | 1 | 2 | 2 | 1 | 2 | 1 | 2 | 2 | 1 | 2 | 2 | 2 | 2 | 1 | 2 | 1 | |
| | | | | | | | | | | | | | | | | | | | | | | | | | males
(cont...) | |

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Leukemia Mononuclear
Pars Distalis, Adenoma | X | | X | X | X | X | X | X | X | | X | X | X | | X | X | X | | X | X | X | X | | X | X |
| Thyroid Gland
C-cell, Adenoma
C-cell, Carcinoma
Follicular Cell, Adenoma
Follicular Cell, Carcinoma | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | X | X | + | + | + | + |
| | | | | X | | | | | | | | | | | X | | | | | | | | | | X |

GENERAL BODY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| Peritoneum
Tunica Vaginalis, Mesothelioma Malignant | | | | | | | | | | | | | | | | | | | | | | | | | |
| Tissue NOS
Thoracic, Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | | |

GENITAL SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Ductus Deferens
Adenocarcinoma, Metastatic, Prostate | | | | | | | | | | | | | | | | | | | | | | | | | |
| Epididymis
Adenocarcinoma, Metastatic, Prostate
Leukemia Mononuclear
Mesothelioma Malignant | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Preputial Gland
Adenoma
Adenoma, Multiple | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

Experiment Number: 10119 - 01
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Furan
 CAS Number: 110-00-9

Date Report Requested: 06/03/2014
 Time Report Requested: 08:42:42
 First Dose M/F: 09/07/09 / NA
 Lab: NCTR

| DAY ON TEST | FISCHER 344 RATS-NCTR RATS MALE | | | | | | | | | | | | | | | | | | | | | | | | ANIMAL ID | males (cont...) |
|---|---------------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----------|-----------------|
| | 0725 | 0729 | 0739 | 0649 | 0541 | 0666 | 0667 | 0773 | 0552 | 0375 | 0778 | 0778 | 0529 | 0551 | 0660 | 0664 | 0664 | 0778 | 0778 | 0550 | 0778 | 0664 | 0667 | 0749 | | |
| Cervical, Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | | | X |
| Cervical, Lymphoma Malignant | | | | | | | | | | | | | | | | | | | | | | | | | | X |
| Hepatic, Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Lumbar, Leukemia Mononuclear | | | | | | | | | | | X | | | | | | | | | | | | | | | X |
| Mediastinal, Adenocarcinoma, Metastatic, Prostate | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mediastinal, Fibrous Histiocytoma | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mediastinal, Leukemia Mononuclear | | | | | | | | | | | X | | | | | | | | | | | | | | | |
| Mediastinal, Lymphoma Malignant | | | | | | | | | | | | | | | | | | | | | | | | | | X |
| Pancreatic, Adenocarcinoma, Metastatic, Prostate | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Pancreatic, Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | | | X |
| Pancreatic, Lymphoma Malignant | | | | | | | | | | | | | | | | | | | | | | | | | | X |
| Renal, Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | | | X |
| Renal, Lymphoma Malignant | | | | | | | | | | | | | | | | | | | | | | | | | | X |
| Lymph Node, Mandibular | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Fibrous Histiocytoma | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Leukemia Mononuclear | X | | | | | | | | | | X | | | | | | | | | | | | | | X | |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | | | | | | | | | X |
| Lymph Node, Mesenteric | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Fibrous Histiocytoma | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Leukemia Mononuclear | | | | | | | | | | | X | | | | | | | | | | | | | | X | |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | | | | | | | | X | |
| Spleen | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Fibrous Histiocytoma | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Leukemia Mononuclear | X | | X | | | | | | | | X | | | | | X | | X | | | X | | X | | X | |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | | | | | | | | X | |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

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 Furan
 CAS Number: 110-00-9

Date Report Requested: 06/03/2014
 Time Report Requested: 08:42:42
 First Dose M/F: 09/07/09 / NA
 Lab: NCTR

| FISCHER 344 RATS-NCTR RATS
MALE
0.02 Furan 104wk | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | ANIMAL ID | males
(cont...) |
|--|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----------|--------------------|
| | 0725 | 0729 | 0779 | 0649 | 0541 | 0666 | 0667 | 0773 | 0555 | 0372 | 0778 | 0778 | 0522 | 0522 | 0667 | 0667 | 0667 | 0778 | 0778 | 0550 | 0778 | 0664 | 0669 | 0771 | | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | 8 | 9 | 9 | 0 | 0 | 1 | 6 | 6 | 7 | 7 | 8 | 9 | 9 | 4 | 4 | 5 | 6 | 6 | 7 | 7 | 6 | 7 | 8 | 8 | 9 | |
| | 2 | 1 | 2 | 1 | 2 | 1 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | |

Thymus +
 Leukemia Mononuclear
 Thymoma Malignant

INTEGUMENTARY SYSTEM

Mammary Gland + + + + + + M +
 Fibroadenoma
 Leukemia Mononuclear X
 Skin +
 Basal Cell Adenoma
 Keratoacanthoma X
 Leukemia Mononuclear
 Lymphoma Malignant X
 Squamous Cell Carcinoma X
 Squamous Cell Papilloma
 Trichoepithelioma
 Scrotum, Mesothelioma Malignant
 Subcutaneous Tissue, Fibroma X
 Subcutaneous Tissue, Lipoma
 Subcutaneous Tissue, Sarcoma X

MUSCULOSKELETAL SYSTEM

Bone
 Bone, Femur +
 Skeletal Muscle

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

Experiment Number: 10119 - 01
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Furan
 CAS Number: 110-00-9

Date Report Requested: 06/03/2014
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 Lab: NCTR

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|-------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|----------------------------------|
| FISCHER 344 RATS-NCTR RATS MALE

0.02 Furan 104wk | DAY ON TEST | 0
7
2
5 | 0
7
2
9 | 0
7
2
9 | 0
6
4
9 | 0
5
4
1 | 0
6
9
6 | 0
6
4
7 | 0
7
2
3 | 0
5
7
5 | 0
3
0
2 | 0
7
2
8 | 0
7
2
8 | 0
5
2
9 | 0
5
7
1 | 0
6
2
0 | 0
6
2
0 | 0
6
2
4 | 0
7
2
8 | 0
5
2
0 | 0
7
8
4 | 0
6
2
9 | 0
4
5
1 | 0
6
6
7 | males
(cont...) |
| | ANIMAL ID | 0
0
0
8
2 | 0
0
0
9
1 | 0
0
0
9
2 | 0
0
0
1
2 | 0
0
0
1
1 | 0
0
1
0
6 | 0
0
1
1
6 | 0
0
3
3
7 | 0
0
3
3
7 | 0
0
3
3
8 | 0
0
3
3
9 | 0
0
3
7
4 | 0
0
3
7
4 | 0
0
3
9
5 | 0
0
7
7
5 | 0
0
7
7
6 | 0
0
7
7
6 | 0
0
7
7
6 | 0
0
7
7
6 | 0
0
1
1
7 | 0
0
1
1
7 | 0
0
1
1
8 | 0
0
1
1
8 | |

Mesothelioma Malignant
 Diaphragm, Adenocarcinoma, Metastatic,
 Prostate

NERVOUS SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Brain, Brain Stem
Leukemia Mononuclear | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Brain, Cerebellum
Leukemia Mononuclear | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | |
| Brain, Cerebrum
Leukemia Mononuclear | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Peripheral Nerve | | | | | | | | | | | | | | | | | | | | | | | | |
| Spinal Cord, Cervical | | | | | | | | | | | | | | | | | | | | | | | | |
| Spinal Cord, Lumbar
Schwannoma Malignant | | | | | | | | | | | | | | | | | | | | | | | | |
| Spinal Cord, Thoracic | | | | | | | | | | | | | | | | | | | | | | | | |

RESPIRATORY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lung
Adenocarcinoma, Metastatic, Prostate | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Fibrous Histiocytoma | | | | | | | | | | | | | | | | | | | | | | | | |
| Leukemia Mononuclear | | | | | | | | | X | | | | | | X | | | | | | | X | | |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

Experiment Number: 10119 - 01
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P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Furan
 CAS Number: 110-00-9

Date Report Requested: 06/03/2014
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 First Dose M/F: 09/07/09 / NA
 Lab: NCTR

| DAY ON TEST | FISCHER 344 RATS-NCTR RATS MALE | | | | | | | | | | | | | | | | | | | | | | | | ANIMAL ID | males (cont...) | | | | | | | | | | | | | | | | | | | | | |
|--|---------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|-----------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | 0 | | | | | | | | | | | | | | | | | | | | |
| 7 | 7 | 7 | 6 | 5 | 6 | 6 | 7 | 5 | 3 | 7 | 7 | 5 | 5 | 6 | 6 | 6 | 7 | 7 | 5 | 7 | 6 | 7 | 4 | 6 | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | 2 | 2 | 4 | 4 | 9 | 4 | 2 | 7 | 5 | 0 | 2 | 2 | 7 | 7 | 2 | 2 | 2 | 2 | 2 | 2 | 5 | 2 | 8 | 2 | 6 | | | | | | | | | | | | | | | | | | | | | | |
| 5 | 9 | 9 | 9 | 1 | 6 | 7 | 3 | 5 | 2 | 8 | 8 | 9 | 1 | 0 | 0 | 4 | 8 | 8 | 0 | 8 | 4 | 9 | 1 | 7 | | | | | | | | | | | | | | | | | | | | | | | |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | | | | | | | | | | | | | | | | |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | | | | | | | | | | | | | | | | | | | | | | |
| 0 | 0 | 0 | 1 | 1 | 1 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 1 | 1 | 1 | 1 | 1 | 1 | | | | | | | | | | | | | | | | | | | | | | |
| 8 | 9 | 9 | 0 | 0 | 1 | 6 | 6 | 7 | 7 | 8 | 9 | 9 | 4 | 4 | 5 | 6 | 6 | 7 | 7 | 6 | 7 | 8 | 8 | 9 | 9 | | | | | | | | | | | | | | | | | | | | | | |
| 2 | 1 | 2 | 1 | 2 | 1 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 1 | | | | | | | | | | | | | | | | | | | | | | |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | | | | | | | X | | | | | | | | | | | | | | | | | | | | | | | |
| Nose | | | | | | | | | | | | | | | | | | | | | | | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Fibrous Histiocytoma | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Squamous Cell Carcinoma, Deep Invasion | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Trachea | | | | | | | | | | | | | | | | | | | | | | | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| SPECIAL SENSES SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Eye | | | | | | | | | | | | | | | | | | | | | | | | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Harderian Gland | | | | | | | | | | | | | | | | | | | | | | | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Zymbal's Gland | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Adenoma | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Squamous Cell Papilloma | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| URINARY SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Kidney | | | | | | | | | | | | | | | | | | | | | | | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Fibrous Histiocytoma | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Liposarcoma | | | | | | | | | | | | | | | | | | | | | | | | | | | | | X | | | | | | | | | | | | | | | | | | |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | X | | | | |
| Renal Tubule, Adenoma | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | X | | | | | | | | | | | | | | | |
| Urethra | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | + |
| Urinary Bladder | | | | | | | | | | | | | | | | | | | | | | | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
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 Furan
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 Lab: NCTR

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|------------------------|---|---|---|---|---|---|---|---|
| FISCHER 344 RATS-NCTR RATS MALE

0.02 Furan 104wk | DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | 7 | 7 | 7 | 6 | 5 | 6 | 6 | 7 | 5 | 3 | 7 | 7 | 5 | 5 | 6 | 6 | 6 | 7 | 7 | 5 | 5 | 7 | 6 | 7 | 7 | 2 | 2 | 2 | 5 | 7 | 6 | 7 | 4 | 6 | 6 | 6 |
| | | 2 | 2 | 2 | 4 | 4 | 9 | 4 | 2 | 7 | 5 | 0 | 2 | 2 | 7 | 7 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 8 | 8 | 0 | 8 | 8 | 4 | 9 | 2 | 5 | 6 | 6 | 7 |
| | 5 | 9 | 9 | 9 | 1 | 6 | 7 | 3 | 5 | 2 | 8 | 8 | 9 | 1 | 0 | 0 | 4 | 8 | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ANIMAL ID | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 1 | 1 | 1 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| | 8 | 9 | 9 | 0 | 0 | 1 | 6 | 6 | 7 | 7 | 8 | 9 | 9 | 4 | 4 | 5 | 6 | 6 | 7 | 7 | 6 | 7 | 7 | 6 | 7 | 7 | 6 | 7 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | |
| | 2 | 1 | 2 | 1 | 2 | 1 | 1 | 2 | 1 | 2 | 2 | 1 | 2 | 1 | 2 | 2 | 1 | 2 | 1 | 2 | 2 | 1 | 2 | 2 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | males (cont...) | | | | | | | | |

Leukemia Mononuclear
 Transitional Epithelium, Papilloma

SYSTEMIC LESIONS

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|
| Multiple Organ | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Leukemia Mononuclear | X | | X | | | | | | X | | | | | | | X | | X | | | | X | | X | | | | | | | | | | | | | |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | | | | | | X | | | | | | | | | | | | | | |
| Mesothelioma Malignant | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

Experiment Number: 10119 - 01
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Furan
 CAS Number: 110-00-9

Date Report Requested: 06/03/2014
 Time Report Requested: 08:42:42
 First Dose M/F: 09/07/09 / NA
 Lab: NCTR

| FISCHER 344 RATS-NCTR RATS
MALE
0.02 Furan 104wk | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | ANIMAL ID | males
(cont...) |
|--|-------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----------------------------|--------------------|
| | 078 | 065 | 078 | 062 | 062 | 066 | 078 | 066 | 067 | 068 | 067 | 068 | 067 | 068 | 067 | 068 | 067 | 068 | 067 | 068 | 067 | 068 | 067 | 068 | | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 011111111111111111111111 | |
| | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 111111111111111111111111 | |
| | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 5 | 5 | 222223333333333333333333 | |
| | 8 | 5 | 8 | 7 | 6 | 2 | 8 | 7 | 8 | 1 | 8 | 7 | 8 | 1 | 7 | 9 | 8 | 9 | 9 | 9 | 8 | 3 | 2 | 2 | 858762878187817987898998328 | |

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|--------------------------------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | | | | | | | |
| Mesentery | | | | | | | | | | | | | | | | | | | | | | | | |
| Adenocarcinoma, Metastatic, Prostate | | | | | | | | | | | | | | | | | | | | | | | | |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | |
| Mesothelioma Malignant | | | | | | | | | | | | | | | | | | | | | | | | |
| Sarcoma | | | | | | | | | | | | | | | | | | | | | | | | |
| Oral Mucosa | | | | | | | | | | | | | | | | | | | | | | | | |
| Squamous Cell Carcinoma | | | | | | | | | | | | | | | | | | | | | | | | |
| Pancreas | | | | | | | | | | | | | | | | | | | | | | | | |
| Adenocarcinoma, Metastatic, Prostate | | | | | | | | | | | | | | | | | | | | | | | | |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | |
| Acinar Cell, Adenoma | | | | | | | | | | | | | | | | | | | | | | | | |
| Acinar Cell, Adenoma, Multiple | | | | | | | | | | | | | | | | | | | | | | | | |
| Acinar Cell, Carcinoma | | | | | | | | | | | | | | | | | | | | | | | | |
| Salivary Glands | | | | | | | | | | | | | | | | | | | | | | | | |
| Adenocarcinoma | | | | | | | | | | | | | | | | | | | | | | | | |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | |
| Stomach, Forestomach | | | | | | | | | | | | | | | | | | | | | | | | |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | |
| Stomach, Glandular | | | | | | | | | | | | | | | | | | | | | | | | |
| Adenocarcinoma | | | | | | | | | | | | | | | | | | | | | | | | |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | |
| Tongue | | | | | | | | | | | | | | | | | | | | | | | | |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

Experiment Number: 10119 - 01
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Furan
 CAS Number: 110-00-9

Date Report Requested: 06/03/2014
 Time Report Requested: 08:42:42
 First Dose M/F: 09/07/09 / NA
 Lab: NCTR

| | | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | males
(cont...) | | | | | |
|---------------------------------|--|-------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--------------------|-----|-----|-----|-----|-----|
| FISCHER 344 RATS-NCTR RATS MALE | | 078 | 065 | 078 | 067 | 066 | 066 | 077 | 066 | 066 | 077 | 066 | 066 | 077 | 057 | 074 | 077 | 066 | 066 | 077 | 077 | 066 | 039 | 066 | 077 | | 055 | 066 | 059 | 066 | 059 |
| 0.02 Furan 104wk | | 011 | 011 | 011 | 011 | 011 | 011 | 011 | 011 | 011 | 011 | 011 | 011 | 011 | 011 | 011 | 011 | 011 | 011 | 011 | 011 | 011 | 011 | 011 | 011 | | 011 | 011 | 011 | 011 | 011 |
| ANIMAL ID | | 119 | 281 | 288 | 281 | 282 | 282 | 333 | 333 | 333 | 333 | 333 | 333 | 333 | 333 | 444 | 444 | 444 | 444 | 444 | 444 | 444 | 444 | 444 | 444 | 444 | 444 | 444 | 444 | 444 | |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Leukemia Mononuclear Pars Distalis, Adenoma | X | | | X | X | X | X | | X | X | | X | X | X | X | | X | X | | X | | | X | X | X | X | X | | |
| Thyroid Gland C-cell, Adenoma | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| C-cell, Carcinoma | | | | X | | | | | | | | | | | | | | | | | | | | | | | | | X |
| Follicular Cell, Adenoma | | | X | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Follicular Cell, Carcinoma | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

GENERAL BODY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| Peritoneum Tunica Vaginalis, Mesothelioma Malignant | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Tissue NOS Thoracic, Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

GENITAL SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Ductus Deferens Adenocarcinoma, Metastatic, Prostate | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Epididymis Adenocarcinoma, Metastatic, Prostate | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mesothelioma Malignant | | | | | | | | X | | | | | | X | | | | | | | | | | | | | | | | |
| Preputial Gland Adenoma | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Adenoma, Multiple | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | X |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

Experiment Number: 10119 - 01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Furan

CAS Number: 110-00-9

Date Report Requested: 06/03/2014

Time Report Requested: 08:42:42

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

Lab: NCTR

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| FISCHER 344 RATS-NCTR RATS MALE | 7 | 6 | 7 | 6 | 6 | 6 | 7 | 6 | 6 | 7 | 5 | 7 | 4 | 7 | 6 | 6 | 7 | 7 | 6 | 3 | 6 | 7 | 5 | 6 | 5 | 6 | 5 | 6 |
| 0.02 Furan 104wk | 2 | 0 | 2 | 2 | 2 | 8 | 2 | 7 | 8 | 2 | 9 | 2 | 0 | 2 | 3 | 0 | 2 | 0 | 8 | 5 | 3 | 2 | 3 | 2 | 9 | 1 | 8 | 8 |
| ANIMAL ID | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | 1 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 5 | 5 | 5 | 5 | 5 |
| | 9 | 8 | 8 | 9 | 9 | 0 | 1 | 1 | 6 | 6 | 7 | 8 | 8 | 9 | 9 | 4 | 5 | 5 | 6 | 7 | 7 | 5 | 5 | 5 | 5 | 6 | 6 | 1 |
| | 2 | 1 | 2 | 1 | 2 | 2 | 1 | 2 | 1 | 2 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 |
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males
(cont...)

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| Carcinoma | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Squamous Cell Carcinoma | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Squamous Cell Papilloma | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bilateral, Adenoma | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Prostate | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Adenocarcinoma, Mucinous | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Adenoma | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mesothelioma Malignant | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Seminal Vesicle | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Adenocarcinoma, Metastatic, Prostate | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Leukemia Mononuclear | | | | | | | | | X | | | | | | | | | | | | | | | | | | | | |
| Testes | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mesothelioma Malignant | | | | | | | X | | | | X | | | | | | | | | | | | | | | | | | |
| Bilateral, Interstitial Cell, Adenoma | | | X | | | X | | | | | | | | | | | X | X | | | | | | | | | | | |
| Interstitial Cell, Adenoma | X | | | | X | | | | X | X | X | X | | | | | | X | | X | X | | X | | | | | | |

HEMATOPOIETIC SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Bone Marrow | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Leukemia Mononuclear | | X | | | | X | | X | X | | X | | | | | | | X | | X | | | | | | | | | X |
| Lymph Node | | | + | + | | + | + | + | + | | + | + | | | | | | + | + | | + | | | | | | | + | |
| Axillary, Leukemia Mononuclear | | | | | | | | X | | | | | | | | | | | | | | | | | | | | | |
| Axillary, Lymphoma Malignant | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

* .. Total animals with tissue examined microscopically; Total animals with tumor
+ .. Tissue examined microscopically
X .. Lesion present
I .. Insufficient tissue

M .. Missing tissue
A .. Autolysis precludes evaluation
BLANK .. Not examined microscopically

Experiment Number: 10119 - 01
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Furan
 CAS Number: 110-00-9

Date Report Requested: 06/03/2014
 Time Report Requested: 08:42:42
 First Dose M/F: 09/07/09 / NA
 Lab: NCTR

| FISCHER 344 RATS-NCTR RATS
MALE
0.02 Furan 104wk | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | | ANIMAL ID | males
(cont...) |
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Cervical, Leukemia Mononuclear
 Cervical, Lymphoma Malignant
 Hepatic, Leukemia Mononuclear
 Lumbar, Leukemia Mononuclear
 Mediastinal, Adenocarcinoma, Metastatic,
 Prostate
 Mediastinal, Fibrous Histiocytoma
 Mediastinal, Leukemia Mononuclear
 Mediastinal, Lymphoma Malignant
 Pancreatic, Adenocarcinoma, Metastatic,
 Prostate
 Pancreatic, Leukemia Mononuclear
 Pancreatic, Lymphoma Malignant
 Renal, Leukemia Mononuclear
 Renal, Lymphoma Malignant

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|--|---|--|--|--|--|---|---|---|---|---|--|---|--|--|--|---|--|--|--|--|--|--|--|--|--|--|---|
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| | | | | | | | | | X | | X | | | | | | | | | | | | | | | | | |

Lymph Node, Mandibular
 Fibrous Histiocytoma
 Leukemia Mononuclear
 Lymphoma Malignant

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
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Lymph Node, Mesenteric
 Fibrous Histiocytoma
 Leukemia Mononuclear
 Lymphoma Malignant

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + |
| | | | | | | | | X | X | X | | | | | | | X | | | | | | | | | | | X |

Spleen
 Fibrous Histiocytoma
 Leukemia Mononuclear
 Lymphoma Malignant

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| | | | X | | | X | | X | X | X | X | | | | | | X | | X | X | | | | | | | | X |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

Experiment Number: 10119 - 01
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Furan
 CAS Number: 110-00-9

Date Report Requested: 06/03/2014
 Time Report Requested: 08:42:42
 First Dose M/F: 09/07/09 / NA
 Lab: NCTR

| FISCHER 344 RATS-NCTR RATS
MALE
0.02 Furan 104wk | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | ANIMAL ID | males
(cont...) | | |
|--|-------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----------|--------------------|-----|-----|
| | 078 | 065 | 078 | 067 | 066 | 066 | 077 | 066 | 066 | 077 | 066 | 066 | 077 | 057 | 074 | 077 | 066 | 066 | 077 | 077 | 066 | 033 | 066 | 077 | | | 055 | 066 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | 1 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 5 | 5 | 6 | 1 |
| | 9 | 8 | 8 | 9 | 9 | 0 | 1 | 1 | 6 | 6 | 7 | 8 | 8 | 9 | 4 | 5 | 5 | 6 | 6 | 7 | 7 | 5 | 5 | 5 | 6 | 6 | 1 | |
| | 2 | 1 | 2 | 1 | 2 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | |

Thymus +
 Leukemia Mononuclear X X
 Thymoma Malignant

INTEGUMENTARY SYSTEM

Mammary Gland +
 Fibroadenoma X
 Leukemia Mononuclear X
 Skin +
 Basal Cell Adenoma
 Keratoacanthoma
 Leukemia Mononuclear
 Lymphoma Malignant
 Squamous Cell Carcinoma
 Squamous Cell Papilloma X
 Trichoepithelioma
 Scrotum, Mesothelioma Malignant
 Subcutaneous Tissue, Fibroma X
 Subcutaneous Tissue, Lipoma X
 Subcutaneous Tissue, Sarcoma

MUSCULOSKELETAL SYSTEM

Bone
 Bone, Femur +
 Skeletal Muscle

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
 A .. Autolysis precludes evaluation
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Experiment Number: 10119 - 01
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 Furan
 CAS Number: 110-00-9

Date Report Requested: 06/03/2014
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 First Dose M/F: 09/07/09 / NA
 Lab: NCTR

| | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----------------------------|---|---|
| FISCHER 344 RATS-NCTR RATS
MALE
0.02 Furan 104wk | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | males
(cont...) | | |
| | 7 | 6 | 7 | 6 | 6 | 6 | 7 | 6 | 6 | 7 | 5 | 7 | 4 | 7 | 6 | 6 | 7 | 7 | 6 | 3 | 6 | 7 | 5 | | 6 | 5 |
| | 2 | 0 | 2 | 2 | 2 | 8 | 2 | 7 | 8 | 2 | 9 | 2 | 0 | 2 | 3 | 0 | 2 | 0 | 8 | 5 | 3 | 2 | 3 | | 2 | 9 |
| | 8 | 5 | 8 | 7 | 6 | 2 | 8 | 0 | 7 | 8 | 1 | 8 | 7 | 8 | 1 | 7 | 9 | 8 | 9 | 9 | 9 | 8 | 3 | | 4 | 1 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 |
| | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | 1 | 1 |
| | 1 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 5 | | 5 | 5 |
| | 9 | 8 | 8 | 9 | 9 | 0 | 1 | 1 | 6 | 6 | 7 | 8 | 8 | 9 | 9 | 4 | 5 | 5 | 6 | 6 | 7 | 7 | 5 | | 5 | 6 |
| | 2 | 1 | 2 | 1 | 2 | 2 | 1 | 2 | 1 | 2 | 1 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | | 1 | 1 |

Mesothelioma Malignant
 Diaphragm, Adenocarcinoma, Metastatic,
 Prostate

NERVOUS SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Brain, Brain Stem
Leukemia Mononuclear | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | X |
| Brain, Cerebellum
Leukemia Mononuclear | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | X |
| Brain, Cerebrum
Leukemia Mononuclear | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | X |
| Peripheral Nerve | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Spinal Cord, Cervical | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Spinal Cord, Lumbar
Schwannoma Malignant | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Spinal Cord, Thoracic | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

RESPIRATORY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lung
Adenocarcinoma, Metastatic, Prostate | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Fibrous Histiocytoma | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Leukemia Mononuclear | | | X | | | X | | X | X | | X | | | | | | | X | X | X | | | | | | | | | | | | | | X | |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

Experiment Number: 10119 - 01
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Furan
 CAS Number: 110-00-9

Date Report Requested: 06/03/2014
 Time Report Requested: 08:42:42
 First Dose M/F: 09/07/09 / NA
 Lab: NCTR

| | | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | males
(cont...) |
|------------------------------------|-----------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--------------------|
| FISCHER 344 RATS-NCTR RATS
MALE | ANIMAL ID | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | 7 | 6 | 7 | 6 | 6 | 6 | 7 | 6 | 6 | 7 | 5 | 7 | 4 | 7 | 6 | 6 | 7 | 7 | 6 | 3 | 6 | 7 | 5 | 6 | |
| 0.02 Furan 104wk | | 2 | 0 | 2 | 2 | 2 | 8 | 2 | 7 | 8 | 2 | 9 | 2 | 0 | 2 | 3 | 0 | 2 | 0 | 8 | 5 | 3 | 2 | 3 | 2 | 9 |
| | | 8 | 5 | 8 | 7 | 6 | 2 | 8 | 0 | 7 | 8 | 1 | 8 | 7 | 8 | 1 | 7 | 9 | 8 | 9 | 9 | 9 | 8 | 3 | 4 | 1 |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | | 1 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 5 | 5 |
| | | 9 | 8 | 8 | 9 | 9 | 0 | 1 | 1 | 6 | 6 | 7 | 8 | 8 | 9 | 4 | 5 | 5 | 6 | 6 | 7 | 7 | 5 | 5 | 5 | 6 |
| | | 2 | 1 | 2 | 1 | 2 | 2 | 1 | 2 | 1 | 2 | 1 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 1 | 2 | 1 | 2 | 1 |

Lymphoma Malignant

Nose
 Fibrous Histiocytoma
 Squamous Cell Carcinoma, Deep Invasion

Trachea

SPECIAL SENSES SYSTEM

Eye

Harderian Gland
 Leukemia Mononuclear

Zymbal's Gland
 Adenoma
 Squamous Cell Papilloma

URINARY SYSTEM

Kidney

Fibrous Histiocytoma
 Leukemia Mononuclear
 Liposarcoma
 Lymphoma Malignant
 Renal Tubule, Adenoma

Urethra

Urinary Bladder

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

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| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|------------------------------------|-------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--------------------|-----|
| FISCHER 344 RATS-NCTR RATS
MALE | DAY ON TEST | 078 | 065 | 078 | 067 | 066 | 066 | 078 | 066 | 067 | 068 | 068 | 077 | 066 | 067 | 075 | 064 | 067 | 066 | 073 | 066 | 077 | 065 | 066 | 075 | 066 | 059 | 065 | 069 |
| | ANIMAL ID | 011 | 012 | 018 | 011 | 011 | 013 | 013 | 013 | 013 | 013 | 013 | 013 | 013 | 014 | 014 | 014 | 014 | 014 | 014 | 014 | 014 | 015 | 015 | 015 | 015 | 016 | 016 | |
| 0.02 Furan 104wk | | | | | | | | | | | | | | | | | | | | | | | | | | | | males
(cont...) | |

Leukemia Mononuclear
 Transitional Epithelium, Papilloma

SYSTEMIC LESIONS

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Multiple Organ | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Leukemia Mononuclear | | X | | | | X | | X | X | X | X | | | | | | | X | | X | X | | | | | | | X |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mesothelioma Malignant | | | | | | | X | | | | | | X | | | | | | | | | | | | | | | |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
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Experiment Number: 10119 - 01
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 Furan
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 Lab: NCTR

| DAY ON TEST | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ANIMAL ID | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | |
| FISCHER 344 RATS-NCTR RATS MALE | 6 | 6 | 9 | 9 | 7 | 2 | 3 | 2 | 4 | 2 | 2 | 4 | 2 | 5 | 7 | 7 | 6 | 7 | 5 | 6 | 7 | 5 | 6 | 7 | 5 | 6 | 7 | 5 | 6 | 7 | 5 | 6 | 7 | 5 | 6 | 7 | 5 | 6 | 7 | |
| | 3 | 7 | 8 | 9 | 2 | 5 | 2 | 2 | 8 | 2 | 2 | 7 | 8 | 7 | 9 | 5 | 0 | 6 | 8 | 4 | 0 | 8 | 3 | 8 | 0 | 8 | 3 | 8 | 0 | 8 | 3 | 8 | 0 | 8 | 3 | 8 | 0 | 8 | 3 | 8 |
| 0.02 Furan 104wk | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

males
(cont...)

ALIMENTARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Esophagus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Large, Cecum
Fibrous Histiocytoma | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | |
| Intestine Large, Colon
Adenocarcinoma, Metastatic, Prostate
Adenoma
Fibrous Histiocytoma
Leukemia Mononuclear | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Large, Rectum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Small, Duodenum
Leukemia Mononuclear | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Small, Ileum
Leukemia Mononuclear | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Small, Jejunum
Fibrous Histiocytoma
Leukemia Mononuclear | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Liver
Adenocarcinoma, Metastatic, Prostate
Fibrous Histiocytoma
Hepatocellular Adenoma
Leukemia Mononuclear | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| | | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | X | | X | X | | | | | | X | | | | | | | | X | X | | | | | | | | | | | | | | | | | | | X |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
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 Lab: NCTR

| | | DAY ON TEST | | | | | | | | | | | | | | | | | | | | males
(cont...) | | | | |
|--------------------------------------|--|-------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--------------------|-----|-----|-----|-----|
| FISCHER 344 RATS-NCTR RATS
MALE | | 063 | 067 | 058 | 039 | 072 | 053 | 072 | 054 | 072 | 078 | 052 | 072 | 047 | 049 | 055 | 057 | 066 | 074 | 056 | 078 | | 053 | 078 | 052 | 079 |
| 0.02 Furan 104wk | | ANIMAL ID | | | | | | | | | | | | | | | | | | | | | | | | |
| Lymphoma Malignant | | 01 | 01 | 01 | 01 | 01 | 01 | 01 | 02 | 02 | 02 | 02 | 02 | 02 | 02 | 02 | 02 | 02 | 02 | 02 | 02 | 02 | 02 | 02 | 02 | |
| Mesentery | | | + | | | | | | | | | | | + | | + | | | | | | | | | + | |
| Adenocarcinoma, Metastatic, Prostate | | | X | | | | | | | | | | | | | | | | | | | | | | | |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mesothelioma Malignant | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sarcoma | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Oral Mucosa | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Squamous Cell Carcinoma | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Pancreas | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Adenocarcinoma, Metastatic, Prostate | | | X | | | | | | | | | | | | | | | | | | | | | | | |
| Leukemia Mononuclear | | | | | | | X | | | | | | | | | | | | X | | | | | | | |
| Acinar Cell, Adenoma | | | X | X | | | | | | | X | | | X | | | | | | | | | | | | |
| Acinar Cell, Adenoma, Multiple | | | | | | | | | | | | | X | | | | | | | | | | | X | | |
| Acinar Cell, Carcinoma | | | | | | | | | | | | | | | | | | | | | | | | X | | |
| Salivary Glands | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Adenocarcinoma | | | | | | | | | | | | | | | | | | | | | | | X | | | |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Stomach, Forestomach | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Stomach, Glandular | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Adenocarcinoma | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Tongue | | | | | | | | | | | | | | | | | | | | | | | | | | |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

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 BLANK .. Not examined microscopically

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

| | | DAY ON TEST | | | | | | | | | | | | | | | | | | | | males
(cont...) | | |
|--|-------------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--------------------|---|---|
| FISCHER 344 RATS-NCTR RATS MALE | 0.02 Furan 104wk | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 |
| | | 6 | 6 | 5 | 3 | 7 | 5 | 7 | 5 | 7 | 7 | 5 | 7 | 4 | 4 | 5 | 5 | 6 | 7 | 5 | 6 | | 7 | 5 |
| | | 3 | 7 | 8 | 9 | 2 | 3 | 2 | 4 | 2 | 2 | 4 | 2 | 5 | 7 | 7 | 5 | 6 | 8 | 4 | 0 | 8 | 3 | 8 |
| | ANIMAL ID | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | |
| | | 5 | 8 | 8 | 8 | 8 | 8 | 8 | 0 | 0 | 1 | 1 | 1 | 1 | 4 | 4 | 4 | 4 | 4 | 5 | 5 | 7 | 7 | |
| | | 6 | 1 | 2 | 3 | 3 | 4 | 4 | 9 | 9 | 0 | 0 | 1 | 2 | 7 | 7 | 8 | 8 | 9 | 9 | 0 | 4 | 5 | |
| | | 2 | 2 | 1 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | |

Squamous Cell Carcinoma

CARDIOVASCULAR SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | |
|--------------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Blood Vessel | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | |
| Heart | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Adenocarcinoma, Metastatic, Prostate | | X | | | | | | | | | | | | | | | | | | | | | |
| Leukemia Mononuclear | | | | | | X | | | | | X | | | | | | | X | | | | | |
| Schwannoma Malignant | | | | | | | | | | | | | | | | | | | | | | | |

ENDOCRINE SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | |
|------------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Adrenal Cortex | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Adenoma | | | X | | | | | | | | | | | | | | | | | | | | |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | X | | X | | | | |
| Adrenal Medulla | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | X | | X | | | | |
| Pheochromocytoma Benign | | | | | X | | | | X | X | | X | | | | | | | | | | | |
| Pheochromocytoma Benign, Multiple | | | | | | | | | | | | | | | | | | | | | | | |
| Pheochromocytoma Malignant | | | | | | | | | | | | | | | | | | | | | | | |
| Bilateral, Pheochromocytoma Benign | | | | | | | | | | | | | | | | | | | | | | | |
| Islets, Pancreatic | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Adenoma | | | X | | | | X | X | | X | X | | | | | X | | | | | | | |
| Parathyroid Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Pituitary Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

Experiment Number: 10119 - 01
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Furan
 CAS Number: 110-00-9

Date Report Requested: 06/03/2014
 Time Report Requested: 08:42:42
 First Dose M/F: 09/07/09 / NA
 Lab: NCTR

| FISCHER 344 RATS-NCTR RATS
MALE
0.02 Furan 104wk | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | | ANIMAL ID | males
(cont...) |
|--|-------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----------|--------------------|
| | 063 | 067 | 058 | 039 | 072 | 053 | 072 | 052 | 074 | 072 | 057 | 074 | 047 | 049 | 055 | 057 | 066 | 072 | 054 | 067 | 050 | 078 | 053 | 078 | 050 | | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| | 5 | 8 | 8 | 8 | 8 | 8 | 8 | 0 | 0 | 1 | 1 | 1 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 5 | 7 | 7 | 7 | 7 | 7 | 7 | |
| | 6 | 1 | 2 | 3 | 3 | 4 | 4 | 9 | 9 | 0 | 0 | 1 | 2 | 7 | 7 | 8 | 8 | 9 | 9 | 0 | 0 | 4 | 4 | 5 | 5 | 6 | 1 |
| | 2 | 2 | 1 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 |

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Leukemia Mononuclear
Pars Distalis, Adenoma | X | | X | | X | | X | X | X | X | X | | X | | | X | X | | X | | X | | X | | X | |
| Thyroid Gland
C-cell, Adenoma
C-cell, Carcinoma
Follicular Cell, Adenoma
Follicular Cell, Carcinoma | + | + | + | + | + | + | + | + | + | X | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | |

GENERAL BODY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| Peritoneum
Tunica Vaginalis, Mesothelioma Malignant | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Tissue NOS
Thoracic, Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | | | |

GENITAL SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Ductus Deferens
Adenocarcinoma, Metastatic, Prostate | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Epididymis
Adenocarcinoma, Metastatic, Prostate
Leukemia Mononuclear
Mesothelioma Malignant | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Preputial Gland
Adenoma
Adenoma, Multiple | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

Experiment Number: 10119 - 01
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Furan
 CAS Number: 110-00-9

Date Report Requested: 06/03/2014
 Time Report Requested: 08:42:42
 First Dose M/F: 09/07/09 / NA
 Lab: NCTR

| FISCHER 344 RATS-NCTR RATS
MALE
0.02 Furan 104wk | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | ANIMAL ID | males
(cont...) |
|--|-------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----------|--------------------|
| | 063 | 067 | 058 | 039 | 072 | 053 | 072 | 054 | 072 | 078 | 072 | 057 | 048 | 047 | 055 | 057 | 066 | 078 | 054 | 065 | 078 | 057 | 075 | 052 | | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 15 | |
| | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 16 | |
| | 5 | 8 | 8 | 8 | 8 | 8 | 8 | 0 | 0 | 1 | 1 | 1 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 5 | 7 | 7 | 7 | 7 | 17 | |
| | 6 | 1 | 2 | 3 | 3 | 4 | 4 | 9 | 9 | 0 | 0 | 1 | 2 | 7 | 8 | 8 | 9 | 9 | 0 | 0 | 4 | 5 | 5 | 6 | 18 | |
| | 2 | 2 | 1 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 19 | |

Carcinoma X
 Leukemia Mononuclear
 Squamous Cell Carcinoma X
 Squamous Cell Papilloma X
 Bilateral, Adenoma

Prostate +
 Adenocarcinoma, Mucinous X
 Adenoma X
 Leukemia Mononuclear X
 Mesothelioma Malignant

Seminal Vesicle +
 Adenocarcinoma, Metastatic, Prostate X
 Leukemia Mononuclear X

Testes +
 Leukemia Mononuclear
 Mesothelioma Malignant X X
 Bilateral, Interstitial Cell, Adenoma X X X
 Interstitial Cell, Adenoma X X X

HEMATOPOIETIC SYSTEM

Bone Marrow +
 Leukemia Mononuclear X X X

Lymph Node + + +
 Axillary, Leukemia Mononuclear + + +
 Axillary, Lymphoma Malignant + + +

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

Experiment Number: 10119 - 01
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Furan
 CAS Number: 110-00-9

Date Report Requested: 06/03/2014
 Time Report Requested: 08:42:42
 First Dose M/F: 09/07/09 / NA
 Lab: NCTR

| FISCHER 344 RATS-NCTR RATS MALE
0.02 Furan 104wk | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | | ANIMAL ID | males (cont...) | | | |
|---|-------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----------|-----------------|-----|-------------------|-----------------|
| | 063 | 067 | 058 | 039 | 072 | 053 | 072 | 054 | 078 | 072 | 057 | 074 | 047 | 049 | 055 | 057 | 066 | 074 | 056 | 068 | 075 | 078 | 050 | 073 | 078 | | | 050 | 072 | 079 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 15566268126890212 | males (cont...) |
| Cervical, Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Cervical, Lymphoma Malignant | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hepatic, Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Lumbar, Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mediastinal, Adenocarcinoma, Metastatic, Prostate | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mediastinal, Fibrous Histiocytoma | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mediastinal, Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mediastinal, Lymphoma Malignant | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Pancreatic, Adenocarcinoma, Metastatic, Prostate | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Pancreatic, Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Pancreatic, Lymphoma Malignant | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Renal, Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Renal, Lymphoma Malignant | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Lymph Node, Mandibular | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Fibrous Histiocytoma | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Lymph Node, Mesenteric | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Fibrous Histiocytoma | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Spleen | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Fibrous Histiocytoma | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

* .. Total animals with tissue examined microscopically; Total animals with tumor
+ .. Tissue examined microscopically
X .. Lesion present
I .. Insufficient tissue

M .. Missing tissue
A .. Autolysis precludes evaluation
BLANK .. Not examined microscopically

Experiment Number: 10119 - 01
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Furan
 CAS Number: 110-00-9

Date Report Requested: 06/03/2014
 Time Report Requested: 08:42:42
 First Dose M/F: 09/07/09 / NA
 Lab: NCTR

| | | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | males
(cont...) | | |
|------------------------------------|-----------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--------------------|---|---|
| FISCHER 344 RATS-NCTR RATS
MALE | ANIMAL ID | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | |
| | | 6 | 6 | 5 | 3 | 7 | 5 | 7 | 5 | 7 | 7 | 5 | 7 | 4 | 4 | 5 | 5 | 6 | 7 | 5 | 6 | 7 | 5 | 7 | 5 | | 7 | |
| 0.02 Furan 104wk | | 3 | 7 | 8 | 9 | 2 | 3 | 2 | 4 | 2 | 2 | 4 | 2 | 5 | 7 | 9 | 5 | 0 | 6 | 8 | 4 | 0 | 8 | 3 | 8 | 0 | 2 | 9 |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| | | 5 | 8 | 8 | 8 | 8 | 8 | 0 | 0 | 1 | 1 | 1 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 5 | 7 | 7 | 7 | 7 | 7 | 7 | |
| | | 6 | 1 | 2 | 3 | 3 | 4 | 4 | 9 | 9 | 0 | 1 | 2 | 7 | 7 | 8 | 8 | 9 | 9 | 0 | 0 | 4 | 5 | 5 | 5 | 5 | 6 | |
| | | 2 | 2 | 1 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|
| Thymus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Thymoma Malignant | | | X | | | | | | | | | | | | | | | | | | | | | | | | | |

INTEGUMENTARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|
| Mammary Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Fibroadenoma | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Skin | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Basal Cell Adenoma | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Keratoacanthoma | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Squamous Cell Carcinoma | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Squamous Cell Papilloma | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Trichoepithelioma | | | | X | | | | | | | | | | | | | | | | | | | | | | | | |
| Scrotum, Mesothelioma Malignant | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Subcutaneous Tissue, Fibroma | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Subcutaneous Tissue, Lipoma | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Subcutaneous Tissue, Sarcoma | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

MUSCULOSKELETAL SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Bone | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bone, Femur | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Skeletal Muscle | | | + | | | | | | | | | | | | | | | | | | | | | | | | | |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

Experiment Number: 10119 - 01
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Furan
 CAS Number: 110-00-9

Date Report Requested: 06/03/2014
 Time Report Requested: 08:42:42
 First Dose M/F: 09/07/09 / NA
 Lab: NCTR

| FISCHER 344 RATS-NCTR RATS
MALE
0.02 Furan 104wk | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | ANIMAL ID | males
(cont...) |
|--|-------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----------|--------------------|
| | 063 | 067 | 059 | 037 | 075 | 075 | 075 | 057 | 077 | 077 | 057 | 074 | 044 | 044 | 055 | 055 | 066 | 077 | 055 | 066 | 077 | 055 | 077 | 055 | | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 01562 | |
| | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 58888 | |
| | 6 | 1 | 2 | 3 | 3 | 4 | 4 | 9 | 9 | 0 | 0 | 1 | 1 | 2 | 7 | 7 | 8 | 8 | 9 | 9 | 0 | 0 | 4 | 5 | 61233 | |
| | 2 | 2 | 1 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 22112 | |

Mesothelioma Malignant
 Diaphragm, Adenocarcinoma, Metastatic,
 Prostate X

NERVOUS SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Brain, Brain Stem
Leukemia Mononuclear | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | X |
| Brain, Cerebellum
Leukemia Mononuclear | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | X |
| Brain, Cerebrum
Leukemia Mononuclear | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | X |
| Peripheral Nerve | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Spinal Cord, Cervical | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Spinal Cord, Lumbar
Schwannoma Malignant | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Spinal Cord, Thoracic | | | | | | | | | | | | | | | | | | | | | | | | | | |

RESPIRATORY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lung
Adenocarcinoma, Metastatic, Prostate | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Fibrous Histiocytoma | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Leukemia Mononuclear | X | | | X | X | | | | | X | | | | | | | | | | | X | | | | | |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

Experiment Number: 10119 - 01
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Furan
 CAS Number: 110-00-9

Date Report Requested: 06/03/2014
 Time Report Requested: 08:42:42
 First Dose M/F: 09/07/09 / NA
 Lab: NCTR

| FISCHER 344 RATS-NCTR RATS
MALE
0.02 Furan 104wk | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | | ANIMAL ID | males
(cont...) |
|--|-------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----------|--------------------|
| | 063 | 067 | 058 | 039 | 072 | 053 | 072 | 054 | 078 | 072 | 057 | 048 | 047 | 055 | 057 | 066 | 074 | 056 | 068 | 075 | 073 | 058 | 072 | 059 | 072 | | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 15 | |
| | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 16 | |
| | 5 | 8 | 8 | 8 | 8 | 8 | 8 | 0 | 0 | 1 | 1 | 1 | 1 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 5 | 7 | 7 | 7 | 7 | 17 | |
| | 6 | 1 | 2 | 3 | 3 | 4 | 4 | 9 | 9 | 0 | 0 | 1 | 2 | 7 | 8 | 8 | 9 | 9 | 0 | 0 | 4 | 5 | 5 | 5 | 6 | 18 | |
| | 2 | 2 | 1 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 19 | |

Lymphoma Malignant

Nose +
 Fibrous Histiocytoma
 Squamous Cell Carcinoma, Deep Invasion

Trachea +

SPECIAL SENSES SYSTEM

Eye + + + + + + + + + + + + + + + + + + + A + + + +

Harderian Gland +
 Leukemia Mononuclear

Zymbal's Gland +
 Adenoma X X
 Squamous Cell Papilloma

URINARY SYSTEM

Kidney +
 Fibrous Histiocytoma
 Leukemia Mononuclear X X
 Liposarcoma
 Lymphoma Malignant
 Renal Tubule, Adenoma

Urethra

Urinary Bladder +

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

Experiment Number: 10119 - 01
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Furan
 CAS Number: 110-00-9

Date Report Requested: 06/03/2014
 Time Report Requested: 08:42:42
 First Dose M/F: 09/07/09 / NA
 Lab: NCTR

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------------------|
| FISCHER 344 RATS-NCTR RATS
MALE
0.02 Furan 104wk | DAY ON TEST | 063 | 067 | 058 | 039 | 072 | 053 | 072 | 054 | 072 | 078 | 057 | 074 | 049 | 055 | 067 | 076 | 054 | 068 | 073 | 057 | 078 | 057 | 079 | males
(cont...) |
| | ANIMAL ID | 01562 | 01181 | 01188 | 01188 | 01188 | 01188 | 01200 | 01200 | 01201 | 01201 | 01201 | 01201 | 01201 | 01202 | 01202 | 01202 | 01202 | 01202 | 01202 | 01202 | 01202 | 01202 | 01202 | |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |

Leukemia Mononuclear
 Transitional Epithelium, Papilloma

SYSTEMIC LESIONS

| | | | | | | | | | | | | | | | | | | | | | | | |
|------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Multiple Organ | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Leukemia Mononuclear | | X | | | X | X | | | | | X | | | | | | X | | X | | | | X |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | | | | | | |
| Mesothelioma Malignant | | | | | | | X | | | | | | | | | X | | X | | | | X | |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

Experiment Number: 10119 - 01
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Furan
 CAS Number: 110-00-9

Date Report Requested: 06/03/2014
 Time Report Requested: 08:42:42
 First Dose M/F: 09/07/09 / NA
 Lab: NCTR

| FISCHER 344 RATS-NCTR RATS
MALE
0.02 Furan 104wk | DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | ANIMAL ID | males
(cont...) |
|--|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|------------------|--------------------|
| | 7
2
9 | 6
1
9 | 7
2
8 | 5
2
7 | 6
6
6 | 5
3
5 | 7
0
2 | 7
2
8 | 5
9
2 | 7
1
9 | 4
2
8 | 7
0
5 | 5
3
6 | 7
2
8 | 7
2
8 | 3
8
0 | 7
2
9 | 6
6
5 | 7
2
9 | 6
9
5 | 7
2
9 | 6
9
1 | 6
4
5 | 7
2
8 | | |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2
7
6
2 | |

ALIMENTARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Esophagus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Large, Cecum
Fibrous Histiocytoma | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | A | + | + | + | + | + |
| Intestine Large, Colon
Adenocarcinoma, Metastatic, Prostate
Adenoma
Fibrous Histiocytoma
Leukemia Mononuclear | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| | | | | | | | | | | | | | | | | | | | | | | | | X |
| Intestine Large, Rectum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | A | + | + | + | + | + |
| Intestine Small, Duodenum
Leukemia Mononuclear | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + |
| | | | | | | | | | | | | | | | | | | | | | | | | X |
| Intestine Small, Ileum
Leukemia Mononuclear | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | A | + | + | + | + | + |
| | | | | | | | | | | | | | | | | | | | | | | | | X |
| Intestine Small, Jejunum
Fibrous Histiocytoma
Leukemia Mononuclear | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | A | + | + | + | + | + |
| | | | | | | | | | | | | | | | | | | | | | | | | X |
| Liver
Adenocarcinoma, Metastatic, Prostate
Fibrous Histiocytoma
Hepatocellular Adenoma
Leukemia Mononuclear | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| | | | | | | | | | | | | | | | | | | | | | | | | X |
| | | | | | | | | | | | | | | | | | | | | | | | | X |
| | | | | | | | | | | | | | | | | | | | | | | | | X |
| | | | | | | | | | | | | | | | | | | | | | | | | X |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

Experiment Number: 10119 - 01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
Furan
CAS Number: 110-00-9

Date Report Requested: 06/03/2014
Time Report Requested: 08:42:42
First Dose M/F: 09/07/09 / NA
Lab: NCTR

| | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | males
(cont...) | | | |
|--------------------------------------|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------------------|---|---|--|
| FISCHER 344 RATS-NCTR RATS MALE | 0729 | 0619 | 0728 | 0567 | 0666 | 0535 | 0702 | 0778 | 0592 | 0712 | 0428 | 0756 | 0578 | 0738 | 0328 | 0780 | 0679 | 0766 | 0295 | 0629 | 0641 | 0674 | 0528 | | | | | |
| 0.02 Furan 104wk | ANIMAL ID | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 02762 | 02776 | 02781 | 02788 | 02788 | 02788 | 02788 | 02788 | 02788 | 02788 | 02788 | 02788 | 02788 | 02788 | 02788 | 02788 | 02788 | 02788 | 02788 | 02788 | 02788 | 02788 | 02788 | 02788 | | | | |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mesentery | + | + | + | | | | | | | | | | + | + | + | + | | | | | | | | + | + | + | + | |
| Adenocarcinoma, Metastatic, Prostate | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Leukemia Mononuclear | | | | | | | | | | X | | | | | X | | | | | | | | | | | | | |
| Mesothelioma Malignant | | | | | | | | | | | | | | | | X | | | | | | | | | | | | |
| Sarcoma | | | | | | | | | | | | | | | | | | | | | | X | | | | | | |
| Oral Mucosa | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Squamous Cell Carcinoma | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Pancreas | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | | | | |
| Adenocarcinoma, Metastatic, Prostate | | | | X | | | | | | | | | X | | | | | | | | | | | | X | | | |
| Leukemia Mononuclear | | | | | X | | | | | | | | | | X | | | | | | | | | | | | | |
| Acinar Cell, Adenoma | | | | | | | | | | | | | | | | | | X | X | X | | | | | | | | |
| Acinar Cell, Adenoma, Multiple | X | X | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Acinar Cell, Carcinoma | | | | | | | | | | | | | | | | X | | | | | | | | | | | | |
| Salivary Glands | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | | |
| Adenocarcinoma | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Leukemia Mononuclear | | | | | | | | | | | X | | | | | | | | | | | | | | | X | | |
| Stomach, Forestomach | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | | |
| Leukemia Mononuclear | | | | | | | | | | | X | | | | | | | | | | | | | | | | | |
| Stomach, Glandular | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | | | | |
| Adenocarcinoma | | | | | | | | | | | X | | | | | | | | | | | | | | | | | |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Tongue | + | | | | | | | | | | | | | | | | | | | | | | | | | | | |

* .. Total animals with tissue examined microscopically; Total animals with tumor
+ .. Tissue examined microscopically
X .. Lesion present
I .. Insufficient tissue

M .. Missing tissue
A .. Autolysis precludes evaluation
BLANK .. Not examined microscopically

Experiment Number: 10119 - 01
 Test Type: CHRONIC
 Route: GAVAGE
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P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Furan
 CAS Number: 110-00-9

Date Report Requested: 06/03/2014
 Time Report Requested: 08:42:42
 First Dose M/F: 09/07/09 / NA
 Lab: NCTR

| FISCHER 344 RATS-NCTR RATS
MALE
0.02 Furan 104wk | DAY ON TEST | | | | | | | | | | | | | | | | | | | | ANIMAL ID | males
(cont...) | | | |
|--|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| | 0
7
2
9 | 0
6
1
9 | 0
7
2
8 | 0
5
2
7 | 0
6
6
6 | 0
5
3
5 | 0
7
0
2 | 0
7
2
8 | 0
5
9
2 | 0
7
1
9 | 0
4
2
8 | 0
7
0
5 | 0
5
3
6 | 0
7
2
8 | 0
7
3
8 | 0
7
2
0 | 0
6
9
8 | 0
7
2
9 | 0
6
6
5 | 0
7
2
9 | | | 0
6
9
1 | 0
6
4
5 | 0
7
2
8 |
| | 0
2
7
6
2 | 0
2
7
7
2 | 0
2
8
1
1 | 0
2
8
2
1 | 0
2
8
2
2 | 0
2
8
2
2 | 0
2
8
3
4 | 0
2
8
2
1 | 0
2
8
2
2 | 0
3
0
4
1 | 0
3
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1
2 | 0
3
0
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1 | 0
3
0
3
3 | 0
3
0
4
2 | 0
3
0
4
1 | 0
3
0
5
1 | 0
3
0
6
6 | 0
3
0
7
7 | 0
3
0
8
8 | 0
3
0
9
9 | 0
3
0
1
1 | 0
3
0
8
8 | 0
3
0
8
8 | 0
3
0
8
8 | 0
3
0
9
9 |

Squamous Cell Carcinoma X

CARDIOVASCULAR SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--------------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Blood Vessel | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | | | X |
| Heart | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Adenocarcinoma, Metastatic, Prostate | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Leukemia Mononuclear | | | | X | | | | | | X | | | X | | | | X | | | X | X | | | | | |
| Schwannoma Malignant | X | | | | | | | | | | | | X | | | | | | | | | | | | | |

ENDOCRINE SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|------------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Adrenal Cortex | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Adenoma | | | | | | | | | | | X | | | | | | | | | | | | | | |
| Leukemia Mononuclear | | | | | | | | | | | | X | | | | X | | | X | | | | | | |
| Adrenal Medulla | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Leukemia Mononuclear | | | | X | | | | | | | | | X | | | X | | | | | | | | | |
| Pheochromocytoma Benign | | | X | | | | | X | | | | | | | | | | X | X | X | | X | X | | |
| Pheochromocytoma Benign, Multiple | | | | | | | | | | | X | | | | | | | | | | | | | | |
| Pheochromocytoma Malignant | | | | | | | | | | | | X | | | | | | | | | | | | | |
| Bilateral, Pheochromocytoma Benign | X | | | | | | | | | | | | X | X | | | | | | | | | | | |
| Islets, Pancreatic | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Adenoma | X | | | | | | | | | X | | | | | | | X | | | | | | | | |
| Parathyroid Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Pituitary Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

Experiment Number: 10119 - 01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Furan
CAS Number: 110-00-9

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Lab: NCTR

| FISCHER 344 RATS-NCTR RATS
MALE
0.02 Furan 104wk | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | ANIMAL ID | males
(cont...) | | |
|--|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----------|--------------------|-------|------|
| | 0729 | 0619 | 0728 | 0567 | 0665 | 0553 | 0702 | 0778 | 0552 | 0792 | 0418 | 0755 | 0773 | 0528 | 0332 | 0728 | 0378 | 0679 | 0726 | 0675 | 0729 | 0661 | 0694 | 0752 | | | 0678 | 0529 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 27762 | |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|
| Leukemia Mononuclear
Pars Distalis, Adenoma | | | | | | | | | | X | | | | | | | | | | | | | | | | | | |
| Thyroid Gland
C-cell, Adenoma
C-cell, Carcinoma
Follicular Cell, Adenoma
Follicular Cell, Carcinoma | + | + | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |

GENERAL BODY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| Peritoneum
Tunica Vaginalis, Mesothelioma Malignant | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Tissue NOS
Thoracic, Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

GENITAL SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|
| Ductus Deferens
Adenocarcinoma, Metastatic, Prostate | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Epididymis
Adenocarcinoma, Metastatic, Prostate
Leukemia Mononuclear
Mesothelioma Malignant | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Preputial Gland
Adenoma
Adenoma, Multiple | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |

* .. Total animals with tissue examined microscopically; Total animals with tumor
+ .. Tissue examined microscopically
X .. Lesion present
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 Lab: NCTR

| FISCHER 344 RATS-NCTR RATS
MALE
0.02 Furan 104wk | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | ANIMAL ID | males
(cont...) | |
|--|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----------|--------------------|--------------------|
| | 0729 | 0619 | 0728 | 0527 | 0626 | 0525 | 0727 | 0728 | 0529 | 0721 | 0422 | 0725 | 0526 | 0728 | 0728 | 0328 | 0729 | 0628 | 0729 | 0626 | 0729 | 0629 | 0624 | 0728 | | | 0527 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 027672 | males
(cont...) |

Carcinoma

Leukemia Mononuclear

Squamous Cell Carcinoma

Squamous Cell Papilloma

Bilateral, Adenoma

Prostate

Adenocarcinoma, Mucinous

Adenoma

Leukemia Mononuclear

Mesothelioma Malignant

Seminal Vesicle

Adenocarcinoma, Metastatic, Prostate

Leukemia Mononuclear

Testes

Leukemia Mononuclear

Mesothelioma Malignant

Bilateral, Interstitial Cell, Adenoma

Interstitial Cell, Adenoma

HEMATOPOIETIC SYSTEM

Bone Marrow

Leukemia Mononuclear

Lymph Node

Axillary, Leukemia Mononuclear

Axillary, Lymphoma Malignant

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

Experiment Number: 10119 - 01
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Furan
 CAS Number: 110-00-9

Date Report Requested: 06/03/2014
 Time Report Requested: 08:42:42
 First Dose M/F: 09/07/09 / NA
 Lab: NCTR

| FISCHER 344 RATS-NCTR RATS
MALE
0.02 Furan 104wk | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | ANIMAL ID | males
(cont...) | |
|--|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----------|--------------------|--------------------|
| | 0729 | 0619 | 0728 | 0527 | 0626 | 0525 | 0727 | 0728 | 0529 | 0721 | 0420 | 0725 | 0728 | 0322 | 0728 | 0320 | 0729 | 0628 | 0729 | 0625 | 0729 | 0621 | 0625 | 0728 | | | 0729 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0277678112 | males
(cont...) |
| Cervical, Leukemia Mononuclear | | | | | | | | | | X | | | | | | | | | | | | | | | X | | |
| Cervical, Lymphoma Malignant | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hepatic, Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Lumbar, Leukemia Mononuclear | | | | | | | | | | X | | | X | | | | | | | | | | | | X | | |
| Mediastinal, Adenocarcinoma, Metastatic, Prostate | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mediastinal, Fibrous Histiocytoma | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mediastinal, Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | | X | | |
| Mediastinal, Lymphoma Malignant | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Pancreatic, Adenocarcinoma, Metastatic, Prostate | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Pancreatic, Leukemia Mononuclear | | | | | | | | | | X | | | | | | | | | | | | | | | X | | |
| Pancreatic, Lymphoma Malignant | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Renal, Leukemia Mononuclear | | | | | | | | | | X | | | | X | | | | | | | | | | | X | | |
| Renal, Lymphoma Malignant | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Lymph Node, Mandibular | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | |
| Fibrous Histiocytoma | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Leukemia Mononuclear | | | | | X | | | | | X | | | X | | | | | | | | | | | X | | | |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Lymph Node, Mesenteric | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | | |
| Fibrous Histiocytoma | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Leukemia Mononuclear | | | | | X | X | | | | X | | | | | | | | | X | | | | | X | | | |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Spleen | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | | |
| Fibrous Histiocytoma | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Leukemia Mononuclear | | | | | X | X | X | | | X | | | X | X | X | | | | X | | | | X | X | X | | |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | | | | | | | | | | |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

Experiment Number: 10119 - 01
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Furan
 CAS Number: 110-00-9

Date Report Requested: 06/03/2014
 Time Report Requested: 08:42:42
 First Dose M/F: 09/07/09 / NA
 Lab: NCTR

| FISCHER 344 RATS-NCTR RATS
MALE
0.02 Furan 104wk | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | ANIMAL ID | males
(cont...) |
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| Thymus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Leukemia Mononuclear | | | | | | | | | | X | | | X | | | | | | | | | | | |
| Thymoma Malignant | | | | | | | | | | | | | | | | | | | | | | | | |

INTEGUMENTARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Mammary Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Fibroadenoma | | | | | | | | | | | | | | | | | | | | | | | | X |
| Leukemia Mononuclear | | | | | | | | | | X | | | | | | | | | | | | | | |
| Skin | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Basal Cell Adenoma | | | | | | | | | | | | | | | | | | | | | | | | |
| Keratoacanthoma | | | | | | | | | | | | | | | | | | | | | | | | |
| Leukemia Mononuclear | | | | | | | | | | X | | | | | | | | | | | | | | |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | | | | | | | |
| Squamous Cell Carcinoma | | | | | | | | | | | | | | | | | | | | | | | | |
| Squamous Cell Papilloma | | | | | | | | | | | | | | | | | | | | | | | | |
| Trichoepithelioma | | | | | | | | | | | | | | | | | | | | | | | | |
| Scrotum, Mesothelioma Malignant | | | | | | | | | | | | | | | | | | | | | | | | |
| Subcutaneous Tissue, Fibroma | | | | | | | | | | | | | | | | | | | | | | | | |
| Subcutaneous Tissue, Lipoma | | | | | | | | | | | | | | | | | | | | | | | | |
| Subcutaneous Tissue, Sarcoma | | | | | | | | | | | | | | | | | | | | | | | X | |

MUSCULOSKELETAL SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Bone | | | | | | | | | | | | | | | | | | | | | | | | |
| Bone, Femur | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Skeletal Muscle | | | | | | | | | | | | | | | | | | | | | | | | + |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

Experiment Number: 10119 - 01
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Furan
 CAS Number: 110-00-9

Date Report Requested: 06/03/2014
 Time Report Requested: 08:42:42
 First Dose M/F: 09/07/09 / NA
 Lab: NCTR

| DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|------------------------|--|
| FISCHER 344 RATS-NCTR RATS MALE | 7 | 6 | 7 | 5 | 6 | 5 | 7 | 7 | 5 | 7 | 4 | 7 | 5 | 7 | 7 | 3 | 7 | 6 | 7 | 6 | 7 | 6 | 7 | 5 | |
| 0.02 Furan 104wk | 2 | 1 | 2 | 2 | 6 | 3 | 0 | 2 | 9 | 1 | 2 | 0 | 3 | 2 | 2 | 8 | 2 | 9 | 2 | 6 | 2 | 9 | 4 | 2 | |
| ANIMAL ID | 9 | 9 | 8 | 7 | 6 | 5 | 2 | 8 | 2 | 9 | 8 | 5 | 6 | 8 | 8 | 0 | 9 | 8 | 9 | 5 | 9 | 1 | 5 | 8 | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
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| | 7 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| | 6 | 7 | 1 | 1 | 2 | 2 | 3 | 4 | 4 | 1 | 1 | 2 | 3 | 3 | 4 | 4 | 5 | 6 | 6 | 7 | 7 | 8 | 8 | | |
| | 2 | 2 | 1 | 2 | 1 | 2 | 2 | 1 | 2 | 1 | 2 | 1 | 1 | 2 | 1 | 2 | 1 | 1 | 2 | 1 | 2 | 1 | 1 | males (cont...) | |

Mesothelioma Malignant
 Diaphragm, Adenocarcinoma, Metastatic,
 Prostate

X

NERVOUS SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Brain, Brain Stem
Leukemia Mononuclear | + | + | + | + | + | + | + | + | + | + | X | + | + | + | + | + | + | + | + | + | + | + | + |
| Brain, Cerebellum
Leukemia Mononuclear | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Brain, Cerebrum
Leukemia Mononuclear | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Peripheral Nerve | | | | | | | | | | | | | | | | | | | | | | | |
| Spinal Cord, Cervical | | | | | | | | | | | | | | | | | | | | | | | |
| Spinal Cord, Lumbar
Schwannoma Malignant | | | | | | | | | | | | | | | | | | | | | | | |
| Spinal Cord, Thoracic | | | | | | | | | | | | | | | | | | | | | | | |

RESPIRATORY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lung
Adenocarcinoma, Metastatic, Prostate | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + |
| Fibrous Histiocytoma | | | | | | | | | | | | | | | | | | | | | | | |
| Leukemia Mononuclear | | | | X | | | | | X | | | X | X | | X | | | X | X | | | | |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

Experiment Number: 10119 - 01
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Furan
 CAS Number: 110-00-9

Date Report Requested: 06/03/2014
 Time Report Requested: 08:42:42
 First Dose M/F: 09/07/09 / NA
 Lab: NCTR

| DAY ON TEST | FISCHER 344 RATS-NCTR RATS MALE | | | | | | | | | | | | | | | | | | | | | | | | ANIMAL ID | males
(cont...) | | |
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Lymphoma Malignant

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| Nose | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | A | + | + | + | + | + | + |
| Fibrous Histiocytoma | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Squamous Cell Carcinoma, Deep Invasion | | | | | | | | | | | | | | | | | | | | | | | | | | | |

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| Trachea | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
|---------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|

SPECIAL SENSES SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Eye | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | A | + | + | + | + | + |
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| Harderian Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | X | | | | | | | | | | | | | |

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| Zymbal's Gland | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Adenoma | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Squamous Cell Papilloma | | | | | | | | | | | | | | | | | | | | | | | | | | |

URINARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Kidney | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
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| Fibrous Histiocytoma | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Liposarcoma | | | | | | | | | | | | | | | | | | | | | | | | | | |

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| Lymphoma Malignant | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Renal Tubule, Adenoma | | | | | | | | | | | | | | | | | | | | | | | | | | |

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| Urethra | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| Urinary Bladder | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
|-----------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
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 CAS Number: 110-00-9

Date Report Requested: 06/03/2014
 Time Report Requested: 08:42:42
 First Dose M/F: 09/07/09 / NA
 Lab: NCTR

| | | | | | | | | | | | | | | | | | | | | | | | | |
|---|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| FISCHER 344 RATS-NCTR RATS MALE
0.02 Furan 104wk | DAY ON TEST | 0729 | 0619 | 0728 | 0567 | 0655 | 0772 | 0778 | 0552 | 0778 | 0412 | 0756 | 0778 | 0328 | 0778 | 0679 | 0769 | 0765 | 0769 | 0661 | 0665 | 0748 | 0528 | 0759 |
| | ANIMAL ID | 02762 | 02777 | 02788 | 02788 | 02788 | 02788 | 02788 | 02788 | 02788 | 02788 | 02788 | 02788 | 02788 | 02788 | 02788 | 02788 | 02788 | 02788 | 02788 | 02788 | 02788 | 02788 | 02788 |

males
(cont...)

Leukemia Mononuclear
 Transitional Epithelium, Papilloma

X X

SYSTEMIC LESIONS

| | | | | | | | | | | | | | | | | | | | | | | | | |
|------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Multiple Organ | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Leukemia Mononuclear | | | X | X | X | | | | X | | | X | X | X | | X | | | X | X | X | | | |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | | | | | | | |
| Mesothelioma Malignant | | | | | | | | | | | | | | X | | | | | | | | | | |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

Experiment Number: 10119 - 01
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Furan
 CAS Number: 110-00-9

Date Report Requested: 06/03/2014
 Time Report Requested: 08:42:42
 First Dose M/F: 09/07/09 / NA
 Lab: NCTR

| FISCHER 344 RATS-NCTR RATS
MALE
0.02 Furan 104wk | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | ANIMAL ID | males
(cont...) |
|--|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|--------------------|
| | 0
4
0
3 | 0
6
0
7 | 0
7
2
9 | 0
7
2
9 | 0
7
2
9 | 0
5
8
9 | 0
6
2
5 | 0
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2
8 | 0
7
2
8 | 0
6
2
0 | 0
5
8
5 | 0
7
1
7 | 0
7
2
8 | 0
5
7
5 | 0
5
2
8 | 0
7
2
8 | 0
7
2
4 | 0
5
2
8 | 0
6
5
4 | 0
7
2
9 | 0
6
6
2 | 0
6
8
5 | 0
7
8
8 | | | |
| | 0
3
1
9
2 | 0
3
3
6
2 | 0
3
3
7
1 | 0
3
3
7
2 | 0
3
3
8
1 | 0
3
3
8
2 | 0
3
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9
1 | 0
3
7
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2 | 0
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7
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4
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2 | 0
4
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1 | 0
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4
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2 | 0
4
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2 | 0
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2 | 0
4
3
3
1 | 0
4
3
3
2 | 0
4
3
3
4 | 0
4
3
3
1 | |

ALIMENTARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|
| Esophagus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Intestine Large, Cecum
Fibrous Histiocytoma | + | + | + | + | + | + | + | + | + | + | | | | | | | | | | | | | | | | |
| Intestine Large, Colon
Adenocarcinoma, Metastatic, Prostate
Adenoma
Fibrous Histiocytoma
Leukemia Mononuclear | + | + | + | + | + | + | + | + | + | + | | | | | | | | | | | | | | | | |
| Intestine Large, Rectum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Intestine Small, Duodenum
Leukemia Mononuclear | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Intestine Small, Ileum
Leukemia Mononuclear | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Intestine Small, Jejunum
Fibrous Histiocytoma
Leukemia Mononuclear | + | + | + | + | + | + | + | + | + | + | | | | | | | | | | | | | | | | |
| Liver
Adenocarcinoma, Metastatic, Prostate
Fibrous Histiocytoma
Hepatocellular Adenoma
Leukemia Mononuclear | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| | | | | | | | | | | | | | | X | X | X | X | X | | | X | X | X | X | | |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

Experiment Number: 10119 - 01
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Furan
 CAS Number: 110-00-9

Date Report Requested: 06/03/2014
 Time Report Requested: 08:42:42
 First Dose M/F: 09/07/09 / NA
 Lab: NCTR

| | | DAY ON TEST | | | | | | | | | | | | | | | | | | | | males
(cont...) | | | | | | |
|--------------------------------------|--|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--------------------|---|---|---|---|---|---|
| FISCHER 344 RATS-NCTR RATS MALE | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | | | | | |
| 0.02 Furan 104wk | | 4 | 6 | 7 | 7 | 7 | 5 | 6 | 7 | 7 | 6 | 5 | 5 | 7 | 7 | 5 | 5 | 7 | 7 | 5 | 7 | | 6 | 7 | 6 | 6 | 7 | |
| ANIMAL ID | | 3 | 7 | 9 | 9 | 9 | 9 | 5 | 8 | 8 | 8 | 0 | 5 | 5 | 7 | 8 | 7 | 5 | 8 | 8 | 4 | 4 | 5 | 2 | 6 | 6 | 8 | 8 |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| | | 1 | 3 | 3 | 3 | 3 | 3 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 3 | 3 | 3 | 3 | 3 | |
| | | 9 | 6 | 7 | 7 | 8 | 8 | 9 | 1 | 1 | 2 | 2 | 3 | 4 | 4 | 9 | 9 | 0 | 1 | 1 | 2 | 2 | 2 | 3 | 3 | 3 | 4 | 4 |
| | | 2 | 2 | 1 | 2 | 1 | 2 | 2 | 1 | 2 | 1 | 2 | 1 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 2 | 2 | 1 | 2 | 2 | 1 | 1 |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mesentery | | | + | | + | + | | | + | | | | + | + | | + | | | | | | + | | + | | | | |
| Adenocarcinoma, Metastatic, Prostate | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mesothelioma Malignant | | | | | | | | | | | | | | | | | | | | | | | | | | | | X |
| Sarcoma | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Oral Mucosa | | | | | | | | | | + | | | | | | | | | | | | | | | | | | |
| Squamous Cell Carcinoma | | | | | | | | | | X | | | | | | | | | | | | | | | | | | |
| Pancreas | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Adenocarcinoma, Metastatic, Prostate | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Acinar Cell, Adenoma | | | | | X | | | X | | | | | | | | | | | | X | X | | | | | | X | |
| Acinar Cell, Adenoma, Multiple | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Acinar Cell, Carcinoma | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Salivary Glands | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Adenocarcinoma | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Stomach, Forestomach | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Stomach, Glandular | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Adenocarcinoma | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Tongue | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

Experiment Number: 10119 - 01
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Furan
 CAS Number: 110-00-9

Date Report Requested: 06/03/2014
 Time Report Requested: 08:42:42
 First Dose M/F: 09/07/09 / NA
 Lab: NCTR

| DAY ON TEST | FISCHER 344 RATS-NCTR RATS MALE | | | | | | | | | | | | | | | | | | | | | | | | ANIMAL ID | males (cont...) |
|-------------|---------------------------------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-----------|-----------------|
| | 04 | 06 | 07 | 07 | 07 | 05 | 06 | 07 | 07 | 06 | 05 | 05 | 07 | 07 | 05 | 05 | 07 | 07 | 05 | 07 | 06 | 07 | 06 | 06 | | |
| 00 | 00 | 02 | 02 | 02 | 08 | 02 | 02 | 02 | 02 | 08 | 07 | 01 | 02 | 00 | 05 | 02 | 02 | 01 | 02 | 04 | 05 | 02 | 06 | 06 | 07 | |
| 03 | 07 | 09 | 09 | 09 | 09 | 05 | 08 | 08 | 00 | 05 | 05 | 07 | 08 | 07 | 05 | 08 | 07 | 05 | 08 | 04 | 08 | 04 | 09 | 02 | 08 | |
| 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | |
| 03 | 03 | 03 | 03 | 03 | 03 | 03 | 03 | 03 | 03 | 03 | 03 | 03 | 03 | 03 | 04 | 04 | 04 | 04 | 04 | 04 | 04 | 04 | 04 | 04 | 04 | |
| 01 | 03 | 03 | 03 | 03 | 03 | 03 | 07 | 07 | 07 | 07 | 07 | 07 | 07 | 00 | 00 | 01 | 01 | 01 | 01 | 01 | 01 | 03 | 03 | 03 | 03 | |
| 09 | 06 | 07 | 07 | 08 | 08 | 09 | 01 | 01 | 02 | 02 | 03 | 04 | 04 | 09 | 09 | 00 | 01 | 01 | 02 | 02 | 02 | 02 | 03 | 03 | 03 | |
| 02 | 02 | 01 | 02 | 01 | 02 | 02 | 01 | 02 | 01 | 02 | 01 | 01 | 02 | 01 | 02 | 01 | 02 | 01 | 02 | 02 | 02 | 01 | 02 | 01 | 01 | |

Squamous Cell Carcinoma

CARDIOVASCULAR SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|--------------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|
| Blood Vessel | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | | |
| Heart | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Adenocarcinoma, Metastatic, Prostate | | | | | | | | | | | | | | | | | | | | | | | | | |
| Leukemia Mononuclear | | | | | | | | | | | | X | | | X | | | | | | | X | X | | |
| Schwannoma Malignant | | | | | | | | | | | | | | | | | | | | | | X | | | |

ENDOCRINE SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|------------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|
| Adrenal Cortex | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Adenoma | | | | | | | | | | | | | | | | | | | | | | | | | |
| Leukemia Mononuclear | | X | | | | | | | | | | X | | | | | | | | X | | X | X | | |
| Adrenal Medulla | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Leukemia Mononuclear | | X | | | | | | | | | | | | | | | | | | X | | X | | | |
| Pheochromocytoma Benign | | | | X | | | | X | X | | | | | | | X | | | | | | | | X | |
| Pheochromocytoma Benign, Multiple | | | | | | | | | | | | | | | | | | | | | | | | | |
| Pheochromocytoma Malignant | | | | | | | | | | | | | | | | | | | | X | | | | | |
| Bilateral, Pheochromocytoma Benign | | | | | | | | | | | | | | | | | | | | | | X | | | |
| Islets, Pancreatic | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Adenoma | | | X | X | | | | | | | | | | | | | | | | | | | | | |
| Parathyroid Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Pituitary Gland | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

Experiment Number: 10119 - 01
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Furan
 CAS Number: 110-00-9

Date Report Requested: 06/03/2014
 Time Report Requested: 08:42:42
 First Dose M/F: 09/07/09 / NA
 Lab: NCTR

| | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | | males
(cont...) |
|---|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--------------------|
| FISCHER 344 RATS-NCTR RATS MALE
0.02 Furan 104wk | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| ANIMAL ID | 3 | 7 | 9 | 9 | 9 | 5 | 6 | 7 | 7 | 6 | 5 | 5 | 7 | 7 | 5 | 5 | 7 | 7 | 5 | 5 | 7 | 7 | 5 | 7 | 6 | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | |
| | 1 | 3 | 3 | 3 | 3 | 3 | 3 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 3 | |
| | 9 | 6 | 7 | 7 | 8 | 8 | 9 | 1 | 1 | 1 | 2 | 2 | 3 | 4 | 4 | 9 | 9 | 0 | 1 | 1 | 1 | 2 | 2 | 2 | 3 | |
| | 2 | 2 | 1 | 2 | 1 | 2 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 1 | 2 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | |

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Leukemia Mononuclear
Pars Distalis, Adenoma | X | | | | X | X | X | X | X | | | X | X | | X | X | X | X | X | | X | X | | X | X |
| Thyroid Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| C-cell, Adenoma | | | | | | | | | | | | X | | | | | | | | | | | X | X | |
| C-cell, Carcinoma | | | | | | X | | | | | | | | | | | | | X | | | | X | | |
| Follicular Cell, Adenoma | | | | | | | | | | | | | | | | | | | | | | | | | X |
| Follicular Cell, Carcinoma | | | | | | | | | | | | | | | | | | | | | | | | | X |

GENERAL BODY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| Peritoneum | | | | | | | | | | | | | | | | | | | | | | | | | |
| Tunica Vaginalis, Mesothelioma Malignant | | | | | | | | | | | | | | | | | | | | | | | | | |
| Tissue NOS | | | | | | | | | | | | | | | | | | | | | | | | | |
| Thoracic, Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | | |

GENITAL SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|--------------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Ductus Deferens | | | | | | | | | | | | | | | | | | | | | | | | | |
| Adenocarcinoma, Metastatic, Prostate | | | | | | | | | | | | | | | | | | | | | | | | | |
| Epididymis | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Adenocarcinoma, Metastatic, Prostate | | | | | | | | | | | | | | | | | | | | | | | | | |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mesothelioma Malignant | | | | | | | | | | | | | | | | | | | | | | | X | X | |
| Preputial Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Adenoma | | | | | | | X | | | | | | | | | | | | | | | | | | |
| Adenoma, Multiple | | | | | | | | | | | | | | | | | | | | | | | | | |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

Experiment Number: 10119 - 01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Furan
CAS Number: 110-00-9

Date Report Requested: 06/03/2014
Time Report Requested: 08:42:42
First Dose M/F: 09/07/09 / NA
Lab: NCTR

| | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | males
(cont...) | | |
|--|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--------------------|---|---|
| FISCHER 344 RATS-NCTR RATS
MALE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| | 4 | 6 | 7 | 7 | 7 | 5 | 6 | 7 | 7 | 6 | 5 | 5 | 7 | 7 | 5 | 5 | 7 | 7 | 5 | 7 | 6 | 7 | 6 | | | 6 |
| 0.02 Furan 104wk | 0 | 0 | 2 | 2 | 2 | 8 | 2 | 2 | 2 | 2 | 8 | 7 | 1 | 2 | 0 | 5 | 2 | 2 | 1 | 2 | 5 | 2 | 6 | 6 | 8 | |
| | 3 | 7 | 9 | 9 | 9 | 9 | 5 | 8 | 8 | 0 | 5 | 5 | 7 | 8 | 7 | 5 | 8 | 8 | 4 | 8 | 4 | 9 | 2 | 5 | 2 | |
| | ANIMAL ID | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | |
| | 1 | 3 | 3 | 3 | 3 | 3 | 3 | 7 | 7 | 7 | 7 | 7 | 7 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 3 | 3 | 3 | |
| | 9 | 6 | 7 | 7 | 8 | 8 | 9 | 1 | 1 | 2 | 2 | 3 | 4 | 4 | 9 | 9 | 0 | 1 | 1 | 2 | 2 | 2 | 2 | 3 | 3 | |
| | 2 | 2 | 1 | 2 | 1 | 2 | 2 | 1 | 2 | 1 | 2 | 1 | 1 | 2 | 1 | 2 | 2 | 1 | 2 | 2 | 2 | 2 | 1 | 2 | 4 | |

Carcinoma

Leukemia Mononuclear

Squamous Cell Carcinoma

Squamous Cell Papilloma

Bilateral, Adenoma

X

X

Prostate

Adenocarcinoma, Mucinous

Adenoma

Leukemia Mononuclear

Mesothelioma Malignant

+ +

X

X

Seminal Vesicle

Adenocarcinoma, Metastatic, Prostate

Leukemia Mononuclear

+ +

Testes

Leukemia Mononuclear

Mesothelioma Malignant

Bilateral, Interstitial Cell, Adenoma

Interstitial Cell, Adenoma

+ +

X X

HEMATOPOIETIC SYSTEM

Bone Marrow

Leukemia Mononuclear

+ +

X X

Lymph Node

Axillary, Leukemia Mononuclear

Axillary, Lymphoma Malignant

+ +

X X

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

Experiment Number: 10119 - 01
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Furan
 CAS Number: 110-00-9

Date Report Requested: 06/03/2014
 Time Report Requested: 08:42:42
 First Dose M/F: 09/07/09 / NA
 Lab: NCTR

| DAY ON TEST | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|---------------------------------|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| FISCHER 344 RATS-NCTR RATS MALE | | 4 | 6 | 7 | 7 | 7 | 5 | 6 | 7 | 7 | 6 | 5 | 5 | 7 | 7 | 5 | 5 | 7 | 7 | 5 | 7 | 6 | 7 | 6 | 7 |
| 0.02 Furan 104wk | | 0 | 0 | 2 | 2 | 2 | 8 | 2 | 2 | 2 | 8 | 2 | 8 | 7 | 1 | 2 | 0 | 5 | 2 | 2 | 1 | 2 | 5 | 2 | 6 |
| ANIMAL ID | | 3 | 7 | 9 | 9 | 9 | 9 | 5 | 8 | 0 | 5 | 5 | 7 | 8 | 7 | 5 | 8 | 8 | 4 | 8 | 4 | 8 | 2 | 5 | 8 |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| | | 1 | 3 | 3 | 3 | 3 | 3 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 3 | 3 | 3 |
| | | 9 | 6 | 7 | 7 | 8 | 8 | 9 | 1 | 1 | 2 | 2 | 3 | 4 | 4 | 9 | 9 | 0 | 1 | 1 | 1 | 2 | 2 | 3 | 3 |
| | | 2 | 2 | 1 | 2 | 1 | 2 | 2 | 1 | 2 | 1 | 2 | 1 | 1 | 2 | 1 | 2 | 2 | 1 | 2 | 2 | 2 | 1 | 2 | 1 |

males
(cont...)

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|--|---|--|--|--|--|--|--|--|---|--|--|---|--|---|--|--|--|---|--|--|---|---|---|---|--|
| Cervical, Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | | X | |
| Cervical, Lymphoma Malignant | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hepatic, Leukemia Mononuclear | | | | | | | | | | X | | | | | | | | | | | | | | | | |
| Lumbar, Leukemia Mononuclear | | X | | | | | | | | | | | | | | | | | | | | | X | X | | |
| Mediastinal, Adenocarcinoma, Metastatic, Prostate | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mediastinal, Fibrous Histiocytoma | | | | | | | | | | | | | | | X | | | | | | | | | | | |
| Mediastinal, Leukemia Mononuclear | | X | | | | | | | | | | | X | | | | | | | | | | | X | | |
| Mediastinal, Lymphoma Malignant | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Pancreatic, Adenocarcinoma, Metastatic, Prostate | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Pancreatic, Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | X | X | |
| Pancreatic, Lymphoma Malignant | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Renal, Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | X | | | X | X | | | |
| Renal, Lymphoma Malignant | | | | | | | | | | | | | | | | | | | | | | | | | | |

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lymph Node, Mandibular | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Fibrous Histiocytoma | | | | | | | | | | | | X | | | | | | | | | | | | | |
| Leukemia Mononuclear | | X | | | | | | | | | | X | | | | X | | | | | X | X | X | | |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | | | | | | | | |
| Lymph Node, Mesenteric | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Fibrous Histiocytoma | | | | | | | | | | | | X | | | | | | | | | | | | | |
| Leukemia Mononuclear | | X | | | | | | | | | | X | | | | X | | | | | X | X | | | |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | | | | | | | | |
| Spleen | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Fibrous Histiocytoma | | | | | | | | | | | | X | | | | | | | | | | | | | |
| Leukemia Mononuclear | | X | | | | | | | X | X | X | X | X | | X | X | | | X | X | X | X | | | |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | | | | | | | | |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

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 Test Type: CHRONIC
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 Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Furan
 CAS Number: 110-00-9

Date Report Requested: 06/03/2014
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 First Dose M/F: 09/07/09 / NA
 Lab: NCTR

| FISCHER 344 RATS-NCTR RATS
MALE
0.02 Furan 104wk | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | ANIMAL ID | males
(cont...) |
|--|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
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4
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3
2 | 0
4
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1 |

Thymus + M + +
 Leukemia Mononuclear
 Thymoma Malignant

INTEGUMENTARY SYSTEM

Mammary Gland +
 Fibroadenoma
 Leukemia Mononuclear
 Skin +
 Basal Cell Adenoma
 Keratoacanthoma
 Leukemia Mononuclear
 Lymphoma Malignant
 Squamous Cell Carcinoma
 Squamous Cell Papilloma
 Trichoepithelioma
 Scrotum, Mesothelioma Malignant
 Subcutaneous Tissue, Fibroma X X
 Subcutaneous Tissue, Lipoma X
 Subcutaneous Tissue, Sarcoma

MUSCULOSKELETAL SYSTEM

Bone +
 Bone, Femur +
 Skeletal Muscle +

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

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

| | | DAY ON TEST | | | | | | | | | | | | | | | | | | | | males
(cont...) | | | | |
|--|-------------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--------------------|---|---|---|---|
| FISCHER 344 RATS-NCTR RATS
MALE | 0.02 Furan 104wk | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 | | |
| | | 4 | 6 | 7 | 7 | 7 | 5 | 6 | 7 | 7 | 6 | 5 | 5 | 7 | 7 | 5 | 5 | 7 | 7 | 5 | 7 | | 6 | 7 | 6 | 6 |
| | | 0 | 0 | 2 | 2 | 2 | 8 | 2 | 2 | 2 | 2 | 8 | 7 | 1 | 2 | 0 | 5 | 2 | 2 | 1 | 2 | 5 | 2 | 6 | 8 | 2 |
| | | 3 | 7 | 9 | 9 | 9 | 5 | 8 | 8 | 0 | 5 | 5 | 7 | 8 | 7 | 5 | 8 | 8 | 4 | 8 | 4 | 5 | 2 | 5 | 8 | |
| | ANIMAL ID | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | |
| | | 1 | 3 | 3 | 3 | 3 | 3 | 7 | 7 | 7 | 7 | 7 | 7 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 3 | 3 | 3 | 3 | |
| | | 9 | 6 | 7 | 7 | 8 | 8 | 9 | 1 | 1 | 2 | 2 | 3 | 4 | 9 | 9 | 0 | 1 | 1 | 2 | 2 | 2 | 3 | 3 | 4 | |
| | | 2 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | |

Mesothelioma Malignant
 Diaphragm, Adenocarcinoma, Metastatic,
 Prostate X

NERVOUS SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Brain, Brain Stem
Leukemia Mononuclear | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Brain, Cerebellum
Leukemia Mononuclear | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Brain, Cerebrum
Leukemia Mononuclear | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Peripheral Nerve | | | | | | | | | | | | | | | | | | | | | | | | |
| Spinal Cord, Cervical | | | | | | | | | | | | | | | | | | | | | | | | |
| Spinal Cord, Lumbar
Schwannoma Malignant | | | | | | | | | | | | | | | | | | | | | | | | |
| Spinal Cord, Thoracic | | | | | | | | | | | | | | | | | | | | | | | | |

RESPIRATORY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lung
Adenocarcinoma, Metastatic, Prostate | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Fibrous Histiocytoma | | | | | | | | | | | | | X | | | | | | | | | | | |
| Leukemia Mononuclear | | X | | | | | | | | | | X | X | | X | | X | X | | X | X | | | |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

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

| FISCHER 344 RATS-NCTR RATS
MALE
0.02 Furan 104wk | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | ANIMAL ID | males
(cont...) |
|--|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|--------------------|
| | 0
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8 | 0
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7 | 0
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5 | 0
7
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8 | 0
7
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4 | 0
5
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4 | 0
6
5
4 | 0
7
2
9 | 0
6
6
2 | 0
6
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5 | 0
7
8
2 | | |
| | 0
3
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9
2 | 0
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3
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2 | 0
3
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7
1 | 0
3
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2 | 0
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3
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9
1 | 0
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7
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2 | 0
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2 | 0
3
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1 | 0
3
7
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4 | 0
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1 | 0
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3
3
2 | 0
4
3
3
1 | 0
4
4
3
2 | |

Lymphoma Malignant

Nose +
 Fibrous Histiocytoma X
 Squamous Cell Carcinoma, Deep Invasion X

Trachea +

SPECIAL SENSES SYSTEM

Eye +

Harderian Gland +
 Leukemia Mononuclear

Zymbal's Gland +
 Adenoma
 Squamous Cell Papilloma X

URINARY SYSTEM

Kidney +
 Fibrous Histiocytoma X
 Leukemia Mononuclear X X
 Liposarcoma
 Lymphoma Malignant
 Renal Tubule, Adenoma

Urethra

Urinary Bladder +

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

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 Lab: NCTR

| DAY ON TEST | FISCHER 344 RATS-NCTR RATS MALE | | | | | | | | | | | | | | | | | | | | | | | | ANIMAL ID | males
(cont...) | | |
|-------------|---------------------------------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-----------|--------------------|----|--|
| | 04 | 06 | 07 | 07 | 07 | 05 | 06 | 07 | 07 | 06 | 05 | 05 | 07 | 07 | 05 | 05 | 07 | 07 | 05 | 06 | 07 | 06 | 06 | 07 | | | | |
| 00 | 00 | 02 | 02 | 02 | 08 | 02 | 02 | 02 | 02 | 08 | 07 | 05 | 05 | 07 | 07 | 05 | 05 | 07 | 07 | 05 | 06 | 07 | 06 | 06 | 07 | 03 | 07 | |
| 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 03 | 03 | |
| 01 | 03 | 03 | 03 | 03 | 03 | 03 | 03 | 07 | 07 | 07 | 07 | 07 | 07 | 07 | 07 | 00 | 00 | 01 | 01 | 01 | 01 | 01 | 03 | 03 | 03 | 09 | 06 | |
| 02 | 02 | 01 | 02 | 01 | 02 | 02 | 01 | 02 | 01 | 02 | 01 | 02 | 01 | 02 | 01 | 02 | 01 | 02 | 01 | 02 | 01 | 02 | 01 | 02 | 01 | 02 | 02 | |

Leukemia Mononuclear
 Transitional Epithelium, Papilloma

X

SYSTEMIC LESIONS

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|
| Multiple Organ | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Leukemia Mononuclear | | X | | | | | | X | X | X | X | X | | X | X | | X | | X | | X | X | | | |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mesothelioma Malignant | | | | | | | | | | | | | | | | | | | | | | X | | X | |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

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 Lab: NCTR

| FISCHER 344 RATS-NCTR RATS
MALE
0.02 Furan 104wk | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | * TOTALS |
|--|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
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ALIMENTARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--------------------------|
| Esophagus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 150 |
| Intestine Large, Cecum
Fibrous Histiocytoma | + | + | + | + | + | + | + | + | + | + | A | A | + | + | + | + | + | + | + | + | + | + | + | + | + | 142
1 |
| Intestine Large, Colon
Adenocarcinoma, Metastatic, Prostate
Adenoma
Fibrous Histiocytoma
Leukemia Mononuclear | + | + | + | + | + | + | + | + | + | + | A | A | + | + | + | + | + | + | + | + | + | + | + | + | + | 146
1
1
1
1 |
| Intestine Large, Rectum | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 146 |
| Intestine Small, Duodenum
Leukemia Mononuclear | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 145
1 |
| Intestine Small, Ileum
Leukemia Mononuclear | + | + | + | + | + | + | + | + | + | + | A | A | + | + | + | + | + | + | + | + | + | + | + | + | + | 142
1 |
| Intestine Small, Jejunum
Fibrous Histiocytoma
Leukemia Mononuclear | + | + | + | + | + | + | + | + | + | + | A | A | + | + | + | + | + | + | + | + | + | + | + | + | + | 142
1
1 |
| Liver
Adenocarcinoma, Metastatic, Prostate
Fibrous Histiocytoma
Hepatocellular Adenoma
Leukemia Mononuclear | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 150
1
1
2
56 |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

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 Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Furan
 CAS Number: 110-00-9

Date Report Requested: 06/03/2014
 Time Report Requested: 08:42:42
 First Dose M/F: 09/07/09 / NA
 Lab: NCTR

| FISCHER 344 RATS-NCTR RATS
MALE
0.02 Furan 104wk | DAY ON TEST | | | | | | | | | | | | | | | | | | | | * TOTALS | | | | | | |
|--|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------|------|------|------|------|------|-----|
| | 0631 | 0728 | 0542 | 0556 | 0578 | 0666 | 0678 | 0552 | 0667 | 0674 | 0564 | 0667 | 0345 | 0461 | 0511 | 0600 | 0718 | 0165 | 0675 | 0711 | | 0670 | 0668 | 0711 | 0670 | 0669 | |
| ANIMAL ID | 0434 | 0433 | 0433 | 0433 | 0444 | 0444 | 0444 | 0444 | 0444 | 0444 | 0444 | 0444 | 0444 | 0444 | 0444 | 0444 | 0444 | 0444 | 0444 | 0444 | 0444 | 0444 | 0444 | 0444 | 0444 | | |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | |
| Mesentery | | | | | | | | | | | | | | | | | | | | | | | | | | | 35 |
| Adenocarcinoma, Metastatic, Prostate | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | | | | 4 |
| Mesothelioma Malignant | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 |
| Sarcoma | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Oral Mucosa | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Squamous Cell Carcinoma | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Pancreas | | | | | | | | | | | | | | | | | | | | | | | | | | | 149 |
| Adenocarcinoma, Metastatic, Prostate | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | | | | 9 |
| Acinar Cell, Adenoma | | | | | | | | | | | | | | | | | | | | | | | | | | | 20 |
| Acinar Cell, Adenoma, Multiple | | | | | | | | | | | | | | | | | | | | | | | | | | | 10 |
| Acinar Cell, Carcinoma | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Salivary Glands | | | | | | | | | | | | | | | | | | | | | | | | | | | 150 |
| Adenocarcinoma | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | | | | 3 |
| Stomach, Forestomach | | | | | | | | | | | | | | | | | | | | | | | | | | | 150 |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | | | | 3 |
| Stomach, Glandular | | | | | | | | | | | | | | | | | | | | | | | | | | | 145 |
| Adenocarcinoma | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 |
| Tongue | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

Experiment Number: 10119 - 01
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 Route: GAVAGE
 Species/Strain: RATS/F 344/NCTR

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| FISCHER 344 RATS-NCTR RATS
MALE
0.02 Furan 104wk | DAY ON TEST | | | | | | | | | | | | | | | | | | | | * TOTALS | | |
|--|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------|------|------|
| | 0631 | 0728 | 0542 | 0556 | 0578 | 0666 | 0678 | 0552 | 0667 | 0674 | 0564 | 0667 | 0344 | 0465 | 0611 | 0510 | 0718 | 0665 | 0677 | 0711 | | 0660 | 0669 |
| ANIMAL ID | 0434 | 0433 | 0433 | 0433 | 0444 | 0444 | 0444 | 0444 | 0445 | 0445 | 0446 | 0446 | 0446 | 0446 | 0446 | 0446 | 0446 | 0446 | 0446 | 0447 | 0447 | 0447 | 0447 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 |
| | 4 | 5 | 9 | 9 | 0 | 1 | 2 | 9 | 9 | 0 | 1 | 1 | 2 | 2 | 3 | 4 | 5 | 5 | 6 | 2 | 2 | 3 | 3 |
| | 2 | 1 | 1 | 2 | 1 | 0 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 2 | 2 | 2 | 2 | 1 | 2 | 2 | 1 | 2 |

Squamous Cell Carcinoma

1

CARDIOVASCULAR SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | |
|--------------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----|
| Blood Vessel | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 150 |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | 2 |
| Heart | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 150 |
| Adenocarcinoma, Metastatic, Prostate | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Leukemia Mononuclear | X | | | X | | | X | X | | | | | | | | | X | | | | | X | | 29 |
| Schwannoma Malignant | | | | | | | | X | | | | | | | | | | | | | | | | 5 |

ENDOCRINE SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | |
|------------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----|
| Adrenal Cortex | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 150 |
| Adenoma | | | | | | | | | | | | X | | | | | | | | X | | | | 5 |
| Leukemia Mononuclear | X | | | | | | X | | | | X | | | | | | X | | | | | | | 19 |
| Adrenal Medulla | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 150 |
| Leukemia Mononuclear | X | | | | | | X | X | | | X | | | | | | X | | | | | | | 15 |
| Pheochromocytoma Benign | | | | | | X | X | X | | | | X | | | | | X | X | X | X | | | | 34 |
| Pheochromocytoma Benign, Multiple | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Pheochromocytoma Malignant | | | | | | | | | | | | | | | | | | | | | | | | 4 |
| Bilateral, Pheochromocytoma Benign | | | | | | | | | | | | | | | | | | | | | | | | 6 |
| Islets, Pancreatic | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 150 |
| Adenoma | | | | | | | X | X | | | | | | | | | | | X | | | | | 18 |
| Parathyroid Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 150 |
| Pituitary Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 148 |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

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 Lab: NCTR

| FISCHER 344 RATS-NCTR RATS
MALE
0.02 Furan 104wk | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | * TOTALS | |
|--|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------|--|
| | 0631 | 0728 | 0542 | 0556 | 0578 | 0668 | 0778 | 0557 | 0668 | 0778 | 0668 | 0557 | 0668 | 0778 | 0668 | 0557 | 0668 | 0778 | 0668 | 0557 | 0668 | 0778 | 0668 | 0557 | | |
| ANIMAL ID | 0434 | 0433 | 0433 | 0433 | 0440 | 0441 | 0444 | 0444 | 0445 | 0445 | 0446 | 0446 | 0446 | 0446 | 0446 | 0446 | 0446 | 0446 | 0446 | 0446 | 0446 | 0446 | 0446 | 0446 | | |
| Leukemia Mononuclear
Pars Distalis, Adenoma | | X | X | X | X | X | | X | | X | X | X | X | | X | X | X | | X | X | X | X | X | X | 9
104 | |
| Thyroid Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 150 | |
| C-cell, Adenoma | | | | | | | | X | | | | | | | | | | | | | | | | | 15 | |
| C-cell, Carcinoma | | | | | | | | | | | | | | | | | | | | | | | | | 6 | |
| Follicular Cell, Adenoma | | | | | | | | | | | | | | | | | | | | | | | | | 2 | |
| Follicular Cell, Carcinoma | | | | | | | | | | | | | | | | | | | | | | | | | 3 | |
| GENERAL BODY SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Peritoneum | | | | | | | | | | | | | | | | | | | | | | | | | 5 | |
| Tunica Vaginalis, Mesothelioma Malignant | | | | | | | | | | | | | | | | | | | | | | | | | 5 | |
| Tissue NOS | | | | | | | | | | | | | | | | | | | | | | | | | 1 | |
| Thoracic, Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | | 1 | |
| GENITAL SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ductus Deferens | | | | | | | | | | | | | | | | | | | | | | | | | 1 | |
| Adenocarcinoma, Metastatic, Prostate | | | | | | | | | | | | | | | | | | | | | | | | | 1 | |
| Epididymis | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 149 | |
| Adenocarcinoma, Metastatic, Prostate | | | | | | | | | | | | | | | | | | | | | | | | | 1 | |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | | 1 | |
| Mesothelioma Malignant | | | | | | | | | | | | | | | | | | | | | | | | | 8 | |
| Preputial Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 150 | | |
| Adenoma | | | | | | | | X | | | | | | | | | | | | | X | | | 8 | | |
| Adenoma, Multiple | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

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| DAY ON TEST
FISCHER 344 RATS-NCTR RATS
MALE
0.02 Furan 104wk | ANIMAL ID | | | | | | | | | | | | | | | | | | | | | | | | * TOTALS |
|--|-----------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------------|-----------------|
| | 0631 | 0728 | 0542 | 0556 | 0557 | 0678 | 0678 | 0728 | 0756 | 0756 | 0827 | 0827 | 0827 | 0827 | 0904 | 0904 | 0904 | 0904 | 0904 | 0904 | 0904 | 0904 | 0904 | 0904 | |
| Carcinoma | | | | | | | | | | | | | X | | | | | | | | | | X | 4 | |
| Leukemia Mononuclear | X | | | | | | | | | | | | | | | | | | | | | | | 3 | |
| Squamous Cell Carcinoma | | | | | | | | | | | | | | | | | | | | X | | | | 5 | |
| Squamous Cell Papilloma | | | | | | | | | | | | | | | | | | | | | | | | 2 | |
| Bilateral, Adenoma | | | | | | | | | | | | | | | | | | | | | | | | 1 | |
| Prostate | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 150 | |
| Adenocarcinoma, Mucinous | | | | | | | | | | | | | | | | | | | | | | | | 1 | |
| Adenoma | | | | | | | | | | | | | | | | | | | | | | | | 4 | |
| Leukemia Mononuclear | X | | | | | | | | X | | | | | | | | | | | X | | | | 6 | |
| Mesothelioma Malignant | | | | | | | | | | | | | | | | | | | | | | | | 1 | |
| Seminal Vesicle | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | 146 | |
| Adenocarcinoma, Metastatic, Prostate | | | | | | | | | | | | | | | | | | | | | | | | 1 | |
| Leukemia Mononuclear | | | | | | | | | X | | | | | | | | | | | | | | | 5 | |
| Testes | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 149 | |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | 2 | |
| Mesothelioma Malignant | | | | | | | | | | | | | | | | | | | | | | | | 7 | |
| Bilateral, Interstitial Cell, Adenoma | | | | | | | | | | | | | | | | | | | | | | | | 28 | |
| Interstitial Cell, Adenoma | X | X | | X | X | X | | X | X | | | X | | | | | | X | X | | | | | 47 | |
| HEMATOPOIETIC SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bone Marrow | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 150 | |
| Leukemia Mononuclear | X | | | X | | X | | X | X | X | | | | | | | | X | | | | X | | 35 | |
| Lymph Node | + | | + | + | | + | + | | | + | + | | | | | | | + | | | + | + | + | 69 | |
| Axillary, Leukemia Mononuclear | | | | | | | X | | | | | | | | | | | | | | | | | 4 | |
| Axillary, Lymphoma Malignant | | | | | | | | | | | | | | | | | | | | | | | | 1 | |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

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|--|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----|----------|
| | 0631 | 0728 | 0542 | 0556 | 0578 | 0668 | 0678 | 0552 | 0668 | 0678 | 0668 | 0552 | 0668 | 0678 | 0344 | 0463 | 0552 | 0710 | 0668 | 0678 | 0778 | 0668 | 0668 | | |
| ANIMAL ID | 0434 | 0433 | 0433 | 0433 | 0444 | 0444 | 0444 | 0444 | 0444 | 0444 | 0444 | 0444 | 0444 | 0444 | 0444 | 0444 | 0444 | 0444 | 0444 | 0444 | 0444 | 0444 | 0444 | | |
| Cervical, Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | 4 | |
| Cervical, Lymphoma Malignant | | | | | | | | | | | | | | | | | | | | | | | | 1 | |
| Hepatic, Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | 3 | |
| Lumbar, Leukemia Mononuclear | | | | X | | | X | | X | | | | | | | | | | | | | | | 15 | |
| Mediastinal, Adenocarcinoma, Metastatic, Prostate | | | | | | | | | | | | | | | | | | | | | | | | 1 | |
| Mediastinal, Fibrous Histiocytoma | | | | | | | | | | | | | | | | | | | | | | | | 1 | |
| Mediastinal, Leukemia Mononuclear | | | | | | | | X | | X | | | | | | | | | | | | | | 11 | |
| Mediastinal, Lymphoma Malignant | | | | | | | | | | | | | | | | | | | | | | | | 1 | |
| Pancreatic, Adenocarcinoma, Metastatic, Prostate | | | | | | | | | | | | | | | | | | | | | | | | 1 | |
| Pancreatic, Leukemia Mononuclear | X | | | X | | | | | X | | X | | | | | | | | X | | | | | 20 | |
| Pancreatic, Lymphoma Malignant | | | | | | | | | | | | | | | | | | | | | | | | 1 | |
| Renal, Leukemia Mononuclear | | | | | | | X | | X | | | | | | | | | | | | | | | 11 | |
| Renal, Lymphoma Malignant | | | | | | | | | | | | | | | | | | | | | | | | 1 | |
| Lymph Node, Mandibular | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 150 | |
| Fibrous Histiocytoma | | | | | | | | | | | | | | | | | | | | | | | | 1 | |
| Leukemia Mononuclear | X | | | X | | | X | | X | | X | | | | | | | X | | | | X | | 29 | |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | | | | | | | 1 | |
| Lymph Node, Mesenteric | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 146 | |
| Fibrous Histiocytoma | | | | | | | | | | | | | | | | | | | | | | | | 1 | |
| Leukemia Mononuclear | X | | | X | | | X | | X | | | | | | | | | X | | | | X | | 27 | |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | | | | | | | 1 | |
| Spleen | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 149 | |
| Fibrous Histiocytoma | | | | | | | | | | | | | | | | | | | | | | | | 1 | |
| Leukemia Mononuclear | X | X | | X | | | X | X | X | | X | | | | | | | X | | | | X | | 56 | |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | | | | | | | 1 | |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
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|--|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------|
| | 0631 | 0728 | 0842 | 0956 | 1078 | 1166 | 1278 | 1387 | 1502 | 1626 | 1757 | 1894 | 2037 | 2186 | 2341 | 2502 | 2669 | 2842 | 3021 | 3206 | 3407 | 3624 | 3857 | 4106 | |
| ANIMAL ID | 0434 | 0443 | 0443 | 0443 | 0444 | 0444 | 0444 | 0444 | 0445 | 0445 | 0446 | 0446 | 0446 | 0446 | 0446 | 0446 | 0446 | 0446 | 0446 | 0447 | 0447 | 0447 | 0447 | 0447 | |

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----|
| Thymus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 149 |
| Leukemia Mononuclear | | | | | | | X | | X | | | | | | | | | | | | | | | | 7 |
| Thymoma Malignant | | | | | | | | | | | | | | | | | | | | | | | | | 1 |

INTEGUMENTARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----|
| Mammary Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 148 |
| Fibroadenoma | | | | | | | | | | | | | | | | | | | | | | | | | 4 |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Skin | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 150 |
| Basal Cell Adenoma | | | | | | | | | | | | | | | | | | | | | | | | | 2 |
| Keratoacanthoma | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Squamous Cell Carcinoma | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Squamous Cell Papilloma | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Trichoepithelioma | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Scrotum, Mesothelioma Malignant | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Subcutaneous Tissue, Fibroma | | | | | | | | | | | | | | | | | | | | | | | | | 6 |
| Subcutaneous Tissue, Lipoma | | | | | | | | | | | | | | | | | | | | | | | | | 4 |
| Subcutaneous Tissue, Sarcoma | | | | | | | | | | | | | | | | | | | | | | | | | 1 |

MUSCULOSKELETAL SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----|
| Bone | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Bone, Femur | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 150 |
| Skeletal Muscle | | | | | | | | | | | | | | | | | | | | | | | | | 4 |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

Experiment Number: 10119 - 01
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Furan
 CAS Number: 110-00-9

Date Report Requested: 06/03/2014
 Time Report Requested: 08:42:42
 First Dose M/F: 09/07/09 / NA
 Lab: NCTR

| FISCHER 344 RATS-NCTR RATS
MALE
0.02 Furan 104wk | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | * TOTALS |
|--|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------|
| | 0631 | 0728 | 0542 | 0556 | 0578 | 0666 | 0772 | 0788 | 0822 | 0857 | 0944 | 0966 | 1074 | 1086 | 1134 | 1146 | 1233 | 1245 | 1332 | 1344 | 1431 | 1443 | 1530 | 1542 | |
| ANIMAL ID | 0434 | 0433 | 0433 | 0433 | 0444 | 0444 | 0444 | 0444 | 0455 | 0455 | 0466 | 0466 | 0466 | 0466 | 0466 | 0466 | 0466 | 0466 | 0466 | 0466 | 0466 | 0466 | 0466 | 0466 | |
| | 2 | 1 | 1 | 2 | 1 | 2 | 1 | 1 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | |

Mesothelioma Malignant 2
 Diaphragm, Adenocarcinoma, Metastatic, Prostate 1

NERVOUS SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----------|
| Brain, Brain Stem
Leukemia Mononuclear | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 150
4 |
| Brain, Cerebellum
Leukemia Mononuclear | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 149
4 |
| Brain, Cerebrum
Leukemia Mononuclear | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 150
4 |
| Peripheral Nerve | | | | | | | | | | | | | | | | | | | | | | | + | 1 |
| Spinal Cord, Cervical | | | | | | | | | | | | | | | | | | | | | | | + | 1 |
| Spinal Cord, Lumbar
Schwannoma Malignant | | | | | | | | | | | | | | | | | | | | | | | + | 1
1 |
| Spinal Cord, Thoracic | | | | | | | | | | | | | | | | | | | | | | | + | 1 |

RESPIRATORY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----------|
| Lung
Adenocarcinoma, Metastatic, Prostate | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 149
1 |
| Fibrous Histiocytoma | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Leukemia Mononuclear | X | | X | | X | | X | | X | | X | | | | | | X | | | | | X | | 39 |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

Experiment Number: 10119 - 01
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Furan
 CAS Number: 110-00-9

Date Report Requested: 06/03/2014
 Time Report Requested: 08:42:42
 First Dose M/F: 09/07/09 / NA
 Lab: NCTR

| FISCHER 344 RATS-NCTR RATS
MALE
0.02 Furan 104wk | DAY ON TEST | | | | | | | | | | | | | | | | | | | | * TOTALS | | | | | |
|--|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------|------|------|------|------|------|
| | 0631 | 0728 | 0542 | 0556 | 0578 | 0668 | 0778 | 0552 | 0668 | 0778 | 0447 | 0556 | 0668 | 0346 | 0455 | 0651 | 0700 | 0168 | 0665 | 0771 | | 0676 | 0660 | 0776 | 0660 | 0669 |
| ANIMAL ID | 0434 | 0433 | 0433 | 0433 | 0444 | 0444 | 0444 | 0444 | 0444 | 0444 | 0444 | 0444 | 0444 | 0444 | 0444 | 0444 | 0444 | 0444 | 0444 | 0444 | 0444 | 0444 | 0444 | 0444 | 0444 | |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | | | | | | | | 1 | |
| Nose | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | 146 | |
| Fibrous Histiocytoma | | | | | | | | | | | | | | | | | | | | | | | | | 1 | |
| Squamous Cell Carcinoma, Deep Invasion | | | | | | | | | | | | | | | | | | | | | | | | | 1 | |
| Trachea | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 150 | |
| SPECIAL SENSES SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Eye | + | + | + | + | + | + | + | + | + | + | + | A | A | + | + | + | + | + | + | + | + | + | + | + | 143 | |
| Harderian Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 150 | |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | | 1 | |
| Zymbal's Gland | | | | | | | | | | | | | | | | | | | | | | | | | 3 | |
| Adenoma | | | | | | | | | | | | | | | | | | | | | | | | | 2 | |
| Squamous Cell Papilloma | | | | | | | | | | | | | | | | | | | | | | | | | 1 | |
| URINARY SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Kidney | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 150 | |
| Fibrous Histiocytoma | | | | | | | | | | | | | | | | | | | | | | | | | 1 | |
| Leukemia Mononuclear | X | | | | | | X | | X | | | | | | | | | X | | | | | | 16 | | |
| Liposarcoma | | | | | | | | | | | | | | | | | | | | | | | | | 1 | |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | | | | | | | | 1 | |
| Renal Tubule, Adenoma | | | | | | | | | | | | | | | | | | | | | | | | | 1 | |
| Urethra | | | | | | | | | | | | | | | | | | | | | | | + | | 2 | |
| Urinary Bladder | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 150 | |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

Experiment Number: 10119 - 01
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Furan
 CAS Number: 110-00-9

Date Report Requested: 06/03/2014
 Time Report Requested: 08:42:42
 First Dose M/F: 09/07/09 / NA
 Lab: NCTR

| | | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | * TOTALS |
|--|-------------------------|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------|
| | | 0631 | 0728 | 0542 | 0556 | 0578 | 0668 | 0778 | 0558 | 0668 | 0778 | 0558 | 0668 | 0778 | 0346 | 0456 | 0663 | 0553 | 0775 | 0168 | 0669 | 0775 | 0778 | 0667 | 0669 | |
| FISCHER 344 RATS-NCTR RATS MALE | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | 0.02 Furan 104wk | 4342 | 4331 | 4331 | 4332 | 4441 | 4442 | 4441 | 4441 | 4591 | 4592 | 4661 | 4662 | 4661 | 4662 | 4662 | 4663 | 4664 | 4665 | 4662 | 4661 | 4662 | 4771 | 4772 | 4771 | 4772 |
| | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Leukemia Mononuclear | | X | | | | | | | | | | | | | | | | | | | | | | | | 3 |
| Transitional Epithelium, Papilloma | | | | | | | | | | | | | | | | | | | | | | | | | | 1 |

SYSTEMIC LESIONS

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----|
| Multiple Organ | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 150 |
| Leukemia Mononuclear | X | X | | X | | | X | X | X | | X | | | | | | | | | X | | | | X | | 56 |
| Lymphoma Malignant | | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Mesothelioma Malignant | | | | | | | | | | | | | | | | | | | | | | | | | | 9 |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

Experiment Number: 10119 - 01
 Test Type: CHRONIC
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P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Furan
 CAS Number: 110-00-9

Date Report Requested: 06/03/2014
 Time Report Requested: 08:42:42
 First Dose M/F: 09/07/09 / NA
 Lab: NCTR

| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|--|--|------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DAY ON TEST | | 5 | 4 | 6 | 6 | 7 | 6 | 6 | 6 | 6 | 7 | 1 | 7 | 6 | 7 | 6 | 7 | 6 | 7 | 5 | 7 | 4 | 3 | 5 | 7 | 7 | 7 | 7 | 7 |
| FISCHER 344 RATS-NCTR RATS MALE | | 8 | 4 | 8 | 1 | 2 | 9 | 2 | 4 | 5 | 2 | 9 | 2 | 4 | 2 | 0 | 1 | 5 | 2 | 2 | 2 | 8 | 0 | 8 | 6 | 2 | 0 | 8 | |
| 0.044 Furan104wk | | 3 | 3 | 9 | 2 | 9 | 4 | 5 | 5 | 9 | 8 | 7 | 8 | 9 | 8 | 7 | 2 | 9 | 4 | 5 | 8 | 8 | 0 | 9 | 8 | 8 | 8 | 8 | |
| ANIMAL ID | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 5 | 6 | 6 | 6 | 6 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 2 | 2 | 5 | 5 | 6 | 7 | 7 | 7 | 7 |
| | | 4 | 5 | 5 | 6 | 7 | 9 | 9 | 0 | 1 | 1 | 2 | 6 | 6 | 7 | 8 | 8 | 9 | 9 | 4 | 4 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | |
| | | 1 | 1 | 2 | 1 | 2 | 2 | 1 | 2 | 1 | 1 | 2 | 1 | 1 | 2 | 1 | 2 | 2 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 2 | |
| | | males (cont...) | | | | | | | | | | | | | | | | | | | | | | | | | | | |

ALIMENTARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Esophagus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Large, Cecum
Leukemia Mononuclear | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | A | + | + | + | A | + | + | + | + | + |
| Intestine Large, Colon
Leukemia Mononuclear | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | A | + | + | + | A | + | + | + | + | + |
| Intestine Large, Rectum | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + |
| Intestine Small, Duodenum
Leukemia Mononuclear | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Small, Ileum
Leukemia Mononuclear | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | A | + | + | + | A | + | + | + | + | + |
| Intestine Small, Jejunum
Leukemia Mononuclear | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | A | + | + | + | A | + | + | + | + | + |
| Liver
Hepatocellular Adenoma
Leukemia Mononuclear | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| | | | | X | | | X | X | X | X | | X | | | | | X | | | | | | | | | | | X |
| Mesentery
Leukemia Mononuclear
Mesothelioma Malignant | | + | | | + | + | | + | | | | | | + | | | | + | | + | | | | | | + | + | |
| Oral Mucosa | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
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 Furan
 CAS Number: 110-00-9

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

| FISCHER 344 RATS-NCTR RATS
MALE
0.044 Furan104wk | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | ANIMAL ID | males
(cont...) |
|--|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|--------------------------|--------------------|
| | 0583 | 0443 | 0689 | 0662 | 0729 | 0664 | 0665 | 0665 | 0665 | 0665 | 0718 | 0177 | 0768 | 0679 | 0768 | 0679 | 0679 | 0754 | 0772 | 0488 | 0380 | 0569 | 0728 | 0708 | | |
| | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 000000000000000000000000 | |
| | 41 | 51 | 52 | 61 | 62 | 72 | 91 | 92 | 01 | 11 | 12 | 21 | 61 | 72 | 82 | 82 | 81 | 82 | 81 | 82 | 94 | 51 | 71 | 72 | 111111111111111111111111 | |

Squamous Cell Papilloma

| | | | | | | | | | | | | | | | | | | | | | | | | |
|--------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Pancreas | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Leukemia Mononuclear | | | | | | | | | | | | | X | | | | | | | X | | | | |
| Acinar Cell, Adenoma | | | | X | | | | | X | | X | X | | | | | | | | X | | | | X |
| Acinar Cell, Adenoma, Multiple | | | | | | | | | | | | | | X | | | | | | | | | | |

| | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Salivary Glands | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | X | | |

| | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Stomach, Forestomach | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | |

| | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Stomach, Glandular | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | |

Tongue

CARDIOVASCULAR SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Blood Vessel | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | X | | |

| | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Heart | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Carcinoma, Metastatic, Preputial Gland | | | | | | | | | | | | | | | | | | | | | | | | |
| Leukemia Mononuclear | | | | | | X | | | X | | | X | | | | | | | | X | | | | |
| Schwannoma Malignant | | | | | | | | | | | | | | | | | | | | | | | | |

ENDOCRINE SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Adrenal Cortex | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + |
|----------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
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 Furan
 CAS Number: 110-00-9

Date Report Requested: 06/03/2014
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 First Dose M/F: 09/07/09 / NA
 Lab: NCTR

| FISCHER 344 RATS-NCTR RATS
MALE
0.044 Furan104wk | DAY ON TEST | | | | | | | | | | | | | | | | | | | | ANIMAL ID | males
(cont...) | | | |
|--|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----------|--------------------|------|------|------|
| | 0583 | 0443 | 0689 | 0612 | 0729 | 0664 | 0665 | 0666 | 0666 | 0666 | 0778 | 0117 | 0769 | 0642 | 0728 | 0667 | 0767 | 0672 | 0575 | 0728 | | | 0408 | 0380 | 0569 |
| Leukemia Mononuclear | | | | | | | X | | | | | | X | | | | | | | | | | | | |
| Adrenal Medulla | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Leukemia Mononuclear | | | | | | | | X | | | | | | | | | X | | | | | | | | |
| Pheochromocytoma Benign | | | | X | | X | | X | X | X | | | X | | | | | | | | | | | | |
| Pheochromocytoma Malignant | | | | | | | | | | | | | | X | | | | | | | | | | | |
| Bilateral, Pheochromocytoma Benign | | | | | | | | | | | | | | X | | | | | | X | | | | | |
| Islets, Pancreatic | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Adenoma | | | | X | | X | | | | | | X | | | | | | | | | | | | | X |
| Carcinoma | | | | | | | | | | | | | | | | | | | X | | | | | | |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | | |
| Parathyroid Gland | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Pituitary Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Leukemia Mononuclear | | | | | | | | X | | | | | | | | | | X | | | | | | | |
| Pars Distalis, Adenoma | X | | X | X | X | X | | X | | X | | X | X | X | X | X | | | X | X | X | X | | X | X |
| Thyroid Gland | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | | |
| C-cell, Adenoma | | | X | X | | | | | | | | | | | | | | | | | | | | | |
| C-cell, Carcinoma | X | | | | | | | | | | | | | | | | | | | | | | | | |
| Follicular Cell, Adenoma | | | | | | | | | | | | | | | | | | | | | | | | | |
| Follicular Cell, Carcinoma | | | | | | | | | | | | | | | | | | | | | | | X | | |

GENERAL BODY SYSTEM

Peritoneum
 Tunica Vaginalis, Mesothelioma Malignant

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

Experiment Number: 10119 - 01
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Furan
 CAS Number: 110-00-9

Date Report Requested: 06/03/2014
 Time Report Requested: 08:42:42
 First Dose M/F: 09/07/09 / NA
 Lab: NCTR

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|--|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| FISCHER 344 RATS-NCTR RATS MALE
0.044 Furan104wk | | DAY ON TEST | 0583 | 0443 | 0669 | 0612 | 0664 | 0665 | 0666 | 0667 | 0671 | 0676 | 0677 | 0682 | 0687 | 0691 | 0696 | 0697 | 0572 | 0748 | 0330 | 0556 | 0772 | 0778 | |
| | | ANIMAL ID | 00041 | 00051 | 00062 | 00071 | 00072 | 00081 | 00082 | 00091 | 00092 | 00101 | 00102 | 00111 | 00112 | 00121 | 00122 | 00131 | 00132 | 00141 | 00142 | 00151 | 00152 | 00161 | 00162 |

males (cont...)

Tissue NOS
 Carcinoma, Metastatic, Preputial Gland

GENITAL SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Epididymis | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Mesothelioma Malignant | | | | | | | | | | | | | | | | | | | | | | | | | |
| Preputial Gland | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Adenoma | | | | | | | | | | | | | | | | | | | | | | | | | |
| Carcinoma | | X | | | | | | | | | | | | | | | | | | | X | | | | |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | X | | | | | | | | |
| Squamous Cell Carcinoma | X | | | | | | | | | | | X | | | | | | | | | | | | | |
| Squamous Cell Papilloma | | | | | | | | | | | | | | | | | | | | | | | | | |
| Prostate | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Adenoma | | | | | | | | | | | | | | | | | | | | | | | | | X |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | X | | | | | | | | |
| Seminal Vesicle | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | X | | | | | | | | |
| Testes | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mesothelioma Malignant | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bilateral, Interstitial Cell, Adenoma | | | | | | | | | | X | X | | | | | X | | | | | | X | X | | |
| Interstitial Cell, Adenoma | | | | X | | | | | | | | | | | | | X | X | | X | | | | | |

HEMATOPOIETIC SYSTEM

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

Experiment Number: 10119 - 01
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Furan
 CAS Number: 110-00-9

Date Report Requested: 06/03/2014
 Time Report Requested: 08:42:42
 First Dose M/F: 09/07/09 / NA
 Lab: NCTR

| FISCHER 344 RATS-NCTR RATS
MALE
0.044 Furan104wk | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | ANIMAL ID | males
(cont...) |
|--|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----------|--------------------|
| | 0583 | 0443 | 0689 | 0662 | 0729 | 0664 | 0665 | 0665 | 0665 | 0728 | 0177 | 0728 | 0669 | 0768 | 0677 | 0677 | 0754 | 0575 | 0728 | 0408 | 0300 | 0569 | 0728 | 0778 | | |
| Bone Marrow
Leukemia Mononuclear | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | | |
| Lymph Node
Axillary, Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Cervical, Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Deep Cervical, Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hepatic, Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Inguinal, Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Lumbar, Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mediastinal, Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Pancreatic, Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Renal, Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Lymph Node, Mandibular
Leukemia Mononuclear | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | | |
| Lymph Node, Mesenteric
Leukemia Mononuclear | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | A | + | + | | |
| Spleen
Hemangiosarcoma | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | | |
| Leukemia Mononuclear | | | X | | | | X | | X | X | | | X | | | | X | | | | | | | X | | |
| Thymus
Leukemia Mononuclear | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | | |

INTEGUMENTARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Mammary Gland | + | M | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + |
|---------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

Experiment Number: 10119 - 01
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Furan
 CAS Number: 110-00-9

Date Report Requested: 06/03/2014
 Time Report Requested: 08:42:42
 First Dose M/F: 09/07/09 / NA
 Lab: NCTR

| | | DAY ON TEST | | | | | | | | | | | | | | | | | | | | males
(cont...) | | | | | |
|--|-----------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--------------------|---|---|---|---|---|
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 | | | |
| | | 5 | 4 | 6 | 6 | 7 | 6 | 6 | 6 | 6 | 7 | 1 | 7 | 6 | 7 | 6 | 7 | 6 | 7 | 5 | 7 | | 4 | 3 | 5 | 7 | 7 |
| FISCHER 344 RATS-NCTR RATS MALE | | 8 | 4 | 8 | 1 | 2 | 9 | 2 | 4 | 5 | 2 | 9 | 2 | 4 | 2 | 0 | 1 | 5 | 2 | 2 | 2 | 8 | 0 | 8 | 6 | 2 | 0 |
| | | 3 | 3 | 9 | 2 | 9 | 4 | 5 | 5 | 9 | 8 | 7 | 8 | 9 | 8 | 7 | 2 | 9 | 4 | 5 | 8 | 8 | 0 | 9 | 8 | 8 | 0 |
| 0.044 Furan104wk | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | ANIMAL ID | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 5 | 6 | 6 | 6 | 6 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| | | 4 | 5 | 5 | 6 | 6 | 7 | 9 | 9 | 0 | 1 | 1 | 2 | 6 | 6 | 7 | 8 | 8 | 9 | 9 | 4 | 5 | 5 | 6 | 7 | 7 | |
| | | 1 | 1 | 2 | 1 | 2 | 2 | 1 | 2 | 1 | 1 | 2 | 1 | 2 | 2 | 1 | 2 | 2 | 1 | 2 | 1 | 1 | 2 | 1 | 1 | 2 | |

Adenocarcinoma
 Fibroadenoma

X
 X

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Skin | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Squamous Cell Papilloma | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Dermis, Hemangioma | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sebaceous Gland, Adenoma | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Subcutaneous Tissue, Fibroma | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Subcutaneous Tissue, Fibrosarcoma | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Subcutaneous Tissue, Lipoma | | | | | | | | | X | | | | | X | | | | | | | | | | | | |

MUSCULOSKELETAL SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Bone, Femur | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Skeletal Muscle | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mesothelioma Malignant | | | | | | | | | | | | | | | | | | | | | | | | | | |

NERVOUS SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|
| Brain, Brain Stem | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Brain, Cerebellum | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Brain, Cerebrum | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Oligodendroglioma Malignant | | | | | | | | | | | | | | | | | | | | | | | | | | |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

Experiment Number: 10119 - 01
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Furan
 CAS Number: 110-00-9

Date Report Requested: 06/03/2014
 Time Report Requested: 08:42:42
 First Dose M/F: 09/07/09 / NA
 Lab: NCTR

| DAY ON TEST | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|---|-----------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| FISCHER 344 RATS-NCTR RATS MALE
0.044 Furan104wk | | 5 | 4 | 6 | 6 | 7 | 6 | 6 | 6 | 6 | 7 | 1 | 7 | 6 | 7 | 6 | 7 | 6 | 7 | 5 | 7 | 4 | 3 | 5 | 7 | 7 |
| | | 8 | 4 | 8 | 1 | 2 | 9 | 2 | 4 | 5 | 2 | 9 | 2 | 4 | 2 | 0 | 1 | 5 | 2 | 2 | 2 | 0 | 8 | 6 | 2 | 0 |
| | | 3 | 3 | 9 | 2 | 9 | 4 | 5 | 5 | 9 | 8 | 7 | 8 | 9 | 8 | 7 | 2 | 9 | 4 | 5 | 8 | 8 | 0 | 9 | 8 | 8 |
| | ANIMAL ID | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 5 | 6 | 6 | 6 | 6 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 2 | 2 | 2 | 2 | 2 | |
| | | 4 | 5 | 5 | 6 | 6 | 7 | 9 | 9 | 0 | 1 | 1 | 2 | 6 | 6 | 7 | 8 | 8 | 9 | 9 | 4 | 5 | 5 | 6 | 7 | |
| | | 1 | 1 | 2 | 1 | 2 | 2 | 1 | 2 | 1 | 1 | 2 | 1 | 2 | 2 | 1 | 2 | 2 | 1 | 2 | 1 | 1 | 2 | 1 | 2 | |

males
(cont...)

Peripheral Nerve
 Spinal Cord, Cervical
 Spinal Cord, Lumbar
 Spinal Cord, Thoracic

RESPIRATORY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lung | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Alveolar/Bronchiolar Adenoma | | | | | | | | | | | | | | | | | | | | | | | | X | |
| Carcinoma, Metastatic, Preputial Gland | | | | | | | | | | | | | | | | | | | | | | | | | |
| Leukemia Mononuclear | | | | X | | | | X | | | X | | | X | | | | | X | | | | | | |
| Nose | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Trachea | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + |

SPECIAL SENSES SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Ear | | | | | | | | | | | | | | | | | | | | | | | | | |
| Neural Crest Tumor | | | | | | | | | | | | | | | | | | | | | | | | | |
| Squamous Cell Papilloma | | | | | | | | | | | | | | | | | | | | | | | | | |
| Eye | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | A | + | + | + | + | + | + |
| Harderian Gland | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Zymbal's Gland | | | | | | | | | | | | | | | | | | | | | | | | | + |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

Experiment Number: 10119 - 01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
Furan
CAS Number: 110-00-9

Date Report Requested: 06/03/2014
Time Report Requested: 08:42:42
First Dose M/F: 09/07/09 / NA
Lab: NCTR

| | | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | | males
(cont...) | | | | | |
|--|--|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------------------|-------|-------|-------|-------|-------|
| FISCHER 344 RATS-NCTR RATS
MALE
0.044 Furan104wk | | 0583 | 0443 | 0689 | 0612 | 0729 | 0664 | 0665 | 0666 | 0667 | 0668 | 0717 | 0178 | 0729 | 0664 | 0729 | 0667 | 0668 | 0717 | 0664 | 0729 | 0575 | 0729 | 0478 | 0380 | 0569 | | 0729 | 0729 | 0729 | | |
| ANIMAL ID | | 00041 | 00051 | 00062 | 00061 | 00062 | 00063 | 00064 | 00065 | 00066 | 00067 | 00068 | 00069 | 00070 | 00071 | 00072 | 00073 | 00074 | 00075 | 00076 | 00077 | 00078 | 00079 | 00080 | 00081 | 00082 | | 00083 | 00084 | 00085 | 00086 | 00087 |
| Squamous Cell Carcinoma | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Squamous Cell Papilloma | | | | | | | | | | | | | | | | | | | | | | | | | | | X | | | | | |

URINARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|
| Kidney | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mesenchymal Tumor Malignant | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Urinary Bladder | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

SYSTEMIC LESIONS

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|--|
| Multiple Organ | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mesothelioma Malignant | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

* .. Total animals with tissue examined microscopically; Total animals with tumor
+ .. Tissue examined microscopically
X .. Lesion present
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Experiment Number: 10119 - 01
 Test Type: CHRONIC
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 CAS Number: 110-00-9

Date Report Requested: 06/03/2014
 Time Report Requested: 08:42:42
 First Dose M/F: 09/07/09 / NA
 Lab: NCTR

| | | DAY ON TEST | | | | | | | | | | | | | | | | | | | | males
(cont...) | | | | | |
|------------------------------------|--|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--------------------|---|---|---|---|---|
| FISCHER 344 RATS-NCTR RATS
MALE | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | | | | |
| 0.044 Furan104wk | | 7 | 5 | 7 | 5 | 5 | 6 | 7 | 6 | 6 | 7 | 4 | 6 | 5 | 7 | 7 | 5 | 4 | 6 | 7 | 6 | | 7 | 4 | 5 | | |
| ANIMAL ID | | 8 | 9 | 0 | 9 | 3 | 6 | 9 | 2 | 5 | 8 | 2 | 8 | 7 | 5 | 0 | 2 | 4 | 4 | 8 | 2 | 8 | 3 | 8 | | | |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | | | |
| | | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 5 | 5 | 5 | 5 | 7 | 7 | 7 | 7 | 8 | 8 | 0 | 0 | 0 | 0 | 0 | 0 | | | |
| | | 0 | 0 | 1 | 2 | 2 | 3 | 2 | 2 | 3 | 4 | 4 | 7 | 8 | 9 | 9 | 0 | 0 | 1 | 2 | 2 | 3 | 4 | 4 | 8 | 8 | 9 |
| | | 1 | 2 | 2 | 1 | 2 | 2 | 1 | 2 | 2 | 1 | 2 | 2 | 1 | 1 | 2 | 1 | 2 | 2 | 1 | 2 | 2 | 3 | 4 | 2 | 2 | 1 |

ALIMENTARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Esophagus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Large, Cecum
Leukemia Mononuclear | + | + | + | + | + | + | + | + | + | X | + | + | + | + | + | + | + | + | + | + | + | + | A | + | | |
| Intestine Large, Colon
Leukemia Mononuclear | + | + | + | + | + | + | + | + | + | X | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Large, Rectum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Small, Duodenum
Leukemia Mononuclear | + | + | + | + | + | + | + | + | + | X | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Small, Ileum
Leukemia Mononuclear | + | + | + | + | + | + | + | + | + | X | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | |
| Intestine Small, Jejunum
Leukemia Mononuclear | + | + | + | + | + | + | + | + | + | X | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | |
| Liver
Hepatocellular Adenoma
Leukemia Mononuclear | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| | X | X | X | X | | X | | X | | | | | | X | X | | | X | | X | | | X | X | | |
| Mesentery
Leukemia Mononuclear
Mesothelioma Malignant | | + | | | | | | | | | | | | + | | + | | | | | | | + | | | |
| Oral Mucosa | | | | | | | | | | | | | | | | | | | | | | | + | | | + |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

Experiment Number: 10119 - 01
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Furan
 CAS Number: 110-00-9

Date Report Requested: 06/03/2014
 Time Report Requested: 08:42:42
 First Dose M/F: 09/07/09 / NA
 Lab: NCTR

| FISCHER 344 RATS-NCTR RATS
MALE
0.044 Furan104wk | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | | ANIMAL ID | males
(cont...) |
|--|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|--|-----------|--------------------|
| | 0
7
2
8 | 0
5
9
9 | 0
7
0
3 | 0
5
9
6 | 0
5
3
6 | 0
6
9
5 | 0
7
2
9 | 0
6
5
4 | 0
6
8
8 | 0
7
2
8 | 0
4
8
9 | 0
6
7
0 | 0
5
5
6 | 0
7
0
1 | 0
7
2
8 | 0
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4
9 | 0
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4
6 | 0
6
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3 | 0
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2
8 | 0
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3 | 0
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8 | 0
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8 | 0
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3
2 | 0
5
8
8 | | | |
| | 0
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4 | 0
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2 | 0
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2 | 0
0
0
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2 | 0
0
0
2
2 | 0
0
0
3
4 | 0
0
0
4
1 | 0
0
0
4
2 | 0
0
2
8
9 | 0
0
2
9
1 | | | |

Squamous Cell Papilloma

X

Pancreas

+ +

Leukemia Mononuclear

X X X

Acinar Cell, Adenoma

X X X

Acinar Cell, Adenoma, Multiple

Salivary Glands

+ +

Leukemia Mononuclear

X

Stomach, Forestomach

+ +

Leukemia Mononuclear

Stomach, Glandular

+ +

Leukemia Mononuclear

X

Tongue

+

CARDIOVASCULAR SYSTEM

Blood Vessel

+ +

Leukemia Mononuclear

X

Heart

+ +

Carcinoma, Metastatic, Preputial Gland

X

Leukemia Mononuclear

X X

X

X

X

X

Schwannoma Malignant

X

ENDOCRINE SYSTEM

Adrenal Cortex

+ +

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

Experiment Number: 10119 - 01
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Furan
 CAS Number: 110-00-9

Date Report Requested: 06/03/2014
 Time Report Requested: 08:42:42
 First Dose M/F: 09/07/09 / NA
 Lab: NCTR

| FISCHER 344 RATS-NCTR RATS
MALE
0.044 Furan104wk | DAY ON TEST | | | | | | | | | | | | | | | | | | | | ANIMAL ID | males
(cont...) | | | | | |
|--|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----------|--------------------|------|------|------|------|------|
| | 0728 | 0599 | 0793 | 0596 | 0556 | 0677 | 0666 | 0666 | 0778 | 0482 | 0667 | 0555 | 0770 | 0778 | 0549 | 0446 | 0668 | 0772 | 0778 | 0660 | | | 0776 | 0482 | 0558 | 0663 | 0778 |
| Leukemia Mononuclear | | | | | | | | X | | | | | | | | | | | | | | | | | | | X |
| Adrenal Medulla | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Pheochromocytoma Benign | X | | X | X | | | | | | X | X | X | | | | | | | | X | | | | | | | |
| Pheochromocytoma Malignant | | | | X | | | | | | | | | | | | | | | | | | | | | | | |
| Bilateral, Pheochromocytoma Benign | | | | | | | X | | | | | | | | | | | | | | X | | | | | | |
| Islets, Pancreatic | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Adenoma | | | | | X | | | | | | | | X | | | | | | | | | | | | | | |
| Carcinoma | | | | | | | | | | | | | | | | | | | X | | | | | | | | |
| Leukemia Mononuclear | | | | | | | | | | | | | X | | | | | | | | | | | | | | |
| Parathyroid Gland | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Pituitary Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Leukemia Mononuclear | | | X | | | | | | X | | | | | | | | | | | X | | | | | | | |
| Pars Distalis, Adenoma | X | | X | X | X | | X | | | | | X | X | | | X | X | X | X | X | X | X | X | X | X | X | X |
| Thyroid Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| C-cell, Adenoma | | | | | | | | | | | | | | | | | | | | | X | | | | | | |
| C-cell, Carcinoma | | | | | | | | | | | | | X | | X | | | | | | | | | | | | |
| Follicular Cell, Adenoma | | | | | | | | | | | X | | | | X | | | | | | | | | | | | |
| Follicular Cell, Carcinoma | | | | | | | | | | | | | | | | | | | | | | | | | | | |

GENERAL BODY SYSTEM

Peritoneum
 Tunica Vaginalis, Mesothelioma Malignant

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

Experiment Number: 10119 - 01
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Furan
 CAS Number: 110-00-9

Date Report Requested: 06/03/2014
 Time Report Requested: 08:42:42
 First Dose M/F: 09/07/09 / NA
 Lab: NCTR

| FISCHER 344 RATS-NCTR RATS
MALE
0.044 Furan104wk | | DAY ON TEST | | | | | | | | | | | | | | | | | | | | males
(cont...) | | | | | | |
|--|--|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|--------------------|------|------|------|------|------|------|
| | | 078 | 059 | 070 | 059 | 053 | 069 | 072 | 065 | 068 | 078 | 048 | 067 | 055 | 070 | 078 | 054 | 048 | 068 | 072 | 078 | | 066 | 078 | 043 | 058 | 072 | 048 |
| ANIMAL ID | | 0140 | 0114 | 0111 | 0111 | 0111 | 0111 | 0111 | 0111 | 0111 | 0111 | 0111 | 0111 | 0111 | 0111 | 0111 | 0111 | 0111 | 0111 | 0111 | 0111 | 0111 | 0111 | 0111 | 0111 | 0111 | 0111 | 0111 |

Tissue NOS
 Carcinoma, Metastatic, Preputial Gland

+ +
 X

GENITAL SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Epididymis
Mesothelioma Malignant | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Preputial Gland
Adenoma | + | + | + | + | + | + | + | + | + | + | + | + | + | X | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Carcinoma | | | | | | | | | | | | | X | | | | | | X | | | | | | | | | |
| Leukemia Mononuclear | | | X | | | | | | X | | | | | | | | | | | | | | | | | | | |
| Squamous Cell Carcinoma | | | | | | | | | | | | | | | | | | | | | | | | X | | | | |
| Squamous Cell Papilloma | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Prostate
Adenoma | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Leukemia Mononuclear | | | X | | | | | | X | | | | | | | | | | | X | | | | | | | | |
| Seminal Vesicle
Leukemia Mononuclear | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| | | | X | | | | | | | | | | | | | | | | | | | | | | | | | |
| Testes
Leukemia Mononuclear | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Mesothelioma Malignant | | | | | | | | | X | | | | | | | | | | | | | | | | | | | |
| Bilateral, Interstitial Cell, Adenoma | | | | | | | | X | | X | | | | | X | X | | | | X | | | X | | | | | |
| Interstitial Cell, Adenoma | X | X | X | | | | | | X | | | X | | | X | | X | | | X | | X | | X | | X | | X |

HEMATOPOIETIC SYSTEM

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

Experiment Number: 10119 - 01
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Furan
 CAS Number: 110-00-9

Date Report Requested: 06/03/2014
 Time Report Requested: 08:42:42
 First Dose M/F: 09/07/09 / NA
 Lab: NCTR

| FISCHER 344 RATS-NCTR RATS
MALE
0.044 Furan104wk | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | ANIMAL ID | males
(cont...) |
|--|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----------|--------------------|
| | 0728 | 0599 | 0793 | 0596 | 0556 | 0679 | 0662 | 0665 | 0678 | 0748 | 0667 | 0550 | 0671 | 0778 | 0549 | 0446 | 0668 | 0728 | 0778 | 0703 | 0668 | 0728 | 0438 | 0528 | | |
| Bone Marrow
Leukemia Mononuclear | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | X | |
| Lymph Node
Axillary, Leukemia Mononuclear | + | + | + | + | + | | | | | + | | | | | | | | + | + | | | | | | + | |
| Cervical, Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Deep Cervical, Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hepatic, Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Inguinal, Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Lumbar, Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mediastinal, Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Pancreatic, Leukemia Mononuclear | X | X | | | | | | | | | | | | | | | | | | | | | | | | |
| Renal, Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Lymph Node, Mandibular
Leukemia Mononuclear | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Lymph Node, Mesenteric
Leukemia Mononuclear | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | | |
| Spleen
Hemangiosarcoma | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Leukemia Mononuclear | X | X | X | X | | X | | | X | | | | | | X | X | | | X | | | X | | X | X | |
| Thymus
Leukemia Mononuclear | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |

INTEGUMENTARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Mammary Gland | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
|---------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

Experiment Number: 10119 - 01
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Furan
 CAS Number: 110-00-9

Date Report Requested: 06/03/2014
 Time Report Requested: 08:42:42
 First Dose M/F: 09/07/09 / NA
 Lab: NCTR

| FISCHER 344 RATS-NCTR RATS
MALE
0.044 Furan104wk | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | | ANIMAL ID | males
(cont...) |
|--|-------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----------|--------------------|
| | 078 | 059 | 070 | 059 | 053 | 069 | 072 | 065 | 068 | 078 | 042 | 066 | 057 | 071 | 054 | 044 | 068 | 072 | 078 | 077 | 066 | 076 | 043 | 068 | 078 | | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 5 | 5 | 5 | 7 | 7 | 7 | 7 | 8 | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | 0 | 0 | 1 | 2 | 2 | 3 | 2 | 3 | 3 | 4 | 7 | 8 | 9 | 9 | 0 | 0 | 1 | 2 | 2 | 3 | 4 | 4 | 8 | 8 | 9 | 1 | |
| | 1 | 2 | 2 | 1 | 2 | 2 | 1 | 2 | 2 | 1 | 2 | 1 | 1 | 2 | 1 | 2 | 2 | 1 | 2 | 2 | 1 | 2 | 2 | 1 | 2 | 1 | |

Adenocarcinoma
 Fibroadenoma X

Skin +
 Squamous Cell Papilloma
 Dermis, Hemangioma X
 Sebaceous Gland, Adenoma X
 Subcutaneous Tissue, Fibroma
 Subcutaneous Tissue, Fibrosarcoma
 Subcutaneous Tissue, Lipoma

MUSCULOSKELETAL SYSTEM

Bone, Femur +
 Skeletal Muscle +
 Mesothelioma Malignant

NERVOUS SYSTEM

Brain, Brain Stem +
 Leukemia Mononuclear
 Brain, Cerebellum +
 Leukemia Mononuclear X
 Brain, Cerebrum +
 Leukemia Mononuclear X
 Oligodendroglioma Malignant

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

Experiment Number: 10119 - 01
 Test Type: CHRONIC
 Route: GAVAGE
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P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Furan
 CAS Number: 110-00-9

Date Report Requested: 06/03/2014
 Time Report Requested: 08:42:42
 First Dose M/F: 09/07/09 / NA
 Lab: NCTR

| FISCHER 344 RATS-NCTR RATS
MALE
0.044 Furan104wk | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | | ANIMAL ID | males
(cont...) |
|--|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----------|--------------------|
| | 0728 | 0599 | 0703 | 0596 | 0556 | 0677 | 0666 | 0666 | 0774 | 0674 | 0668 | 0772 | 0488 | 0675 | 0650 | 0772 | 0544 | 0688 | 0772 | 0778 | 0660 | 0768 | 0478 | 0538 | 0648 | | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | |
| | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 5 | 5 | 5 | 5 | 7 | 7 | 7 | 7 | 8 | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | 0 | 0 | 1 | 2 | 2 | 2 | 3 | 2 | 3 | 2 | 3 | 4 | 4 | 7 | 8 | 9 | 0 | 1 | 2 | 2 | 3 | 4 | 4 | 8 | 8 | 9 | |
| | 1 | 2 | 2 | 1 | 2 | 2 | 2 | 1 | 2 | 2 | 2 | 1 | 2 | 2 | 1 | 2 | 2 | 2 | 1 | 2 | 2 | 2 | 2 | 2 | 1 | 2 | |

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|---|
| Peripheral Nerve | | | | | | | | | | | | | | | | | | | | | | | | | | + |
| Spinal Cord, Cervical | | | | | | | | | | | | | | | | | | | | | | | | | | + |
| Spinal Cord, Lumbar | | | | | | | | | | | | | | | | | | | | | | | | | | + |
| Spinal Cord, Thoracic | | | | | | | | | | | | | | | | | | | | | | | | | | + |

RESPIRATORY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|---|--|--|---|--|--|---|--|--|--|---|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| Lung | + | | | | | | | | | | | | | | | | | | | | | | | | | |
| Alveolar/Bronchiolar Adenoma | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Carcinoma, Metastatic, Preputial Gland | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Leukemia Mononuclear | X | X | | | X | | | X | | | | X | | | | | | | | | | | | | | |
| Nose | + | | | | | | | | | | | | | | | | | | | | | | | | | |
| Trachea | + | | | | | | | | | | | | | | | | | | | | | | | | | |

SPECIAL SENSES SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------------------|---|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| Ear | | | | | | | | | | | | | | | | | | | | | | | | | |
| Neural Crest Tumor | | | | | | | | | | | | | | | | | | | | | | | | | |
| Squamous Cell Papilloma | | | | | | | | | | | | | | | | | | | | | | | | | |
| Eye | + | | | | | | | | | | | | | | | | | | | | | | | | |
| Harderian Gland | + | | | | | | | | | | | | | | | | | | | | | | | | |
| Zymbal's Gland | | | | | | | | | | | | | | | | | | | | | | | | | |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

Experiment Number: 10119 - 01
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Furan
 CAS Number: 110-00-9

Date Report Requested: 06/03/2014
 Time Report Requested: 08:42:42
 First Dose M/F: 09/07/09 / NA
 Lab: NCTR

| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|---|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| FISCHER 344 RATS-NCTR RATS MALE
0.044 Furan104wk | DAY ON TEST | 7 | 5 | 7 | 5 | 5 | 6 | 7 | 6 | 6 | 7 | 4 | 6 | 5 | 7 | 7 | 5 | 4 | 6 | 7 | 7 | 6 | 7 | 6 | 7 | 4 | 5 | 8 | 8 | |
| | ANIMAL ID | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | |
| | | 8 | 9 | 0 | 9 | 3 | 9 | 2 | 5 | 8 | 8 | 8 | 9 | 0 | 6 | 1 | 8 | 9 | 6 | 8 | 3 | 8 | 8 | 8 | 0 | 6 | 2 | 3 | 8 | |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 5 | 5 | 5 | 7 | 7 | 7 | 7 | 8 | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | 0 | 0 | 1 | 2 | 2 | 3 | 2 | 3 | 2 | 3 | 4 | 4 | 7 | 8 | 9 | 0 | 1 | 2 | 2 | 2 | 3 | 4 | 4 | 8 | 8 | 9 | 1 | | |
| | | 1 | 2 | 2 | 2 | 2 | 2 | 1 | 2 | 2 | 2 | 1 | 2 | 2 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 2 | 2 | 2 | 2 | 2 | 2 | 1 | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

males
(cont...)

Squamous Cell Carcinoma
 Squamous Cell Papilloma

URINARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Kidney | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Leukemia Mononuclear | | | X | | | | | | X | | | | | | | | | | | | X | | | | X | | | |
| Mesenchymal Tumor Malignant | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Urinary Bladder | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Leukemia Mononuclear | | | X | | | | | | X | | | | | | | | | | | | | | | | | | | |

SYSTEMIC LESIONS

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|
| Multiple Organ | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Leukemia Mononuclear | X | X | X | X | | X | | | X | | | | | X | X | | | X | | | X | | | | X | X | | |
| Mesothelioma Malignant | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

Experiment Number: 10119 - 01
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Furan
 CAS Number: 110-00-9

Date Report Requested: 06/03/2014
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 First Dose M/F: 09/07/09 / NA
 Lab: NCTR

| FISCHER 344 RATS-NCTR RATS MALE
0.044 Furan104wk | DAY ON TEST | | | | | | | | | | | | | | | | | | | | ANIMAL ID | males
(cont...) | | |
|---|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-----------|--------------------|-------|------|
| | 0597 | 0717 | 0514 | 0625 | 0728 | 0645 | 0778 | 0778 | 0478 | 0778 | 0569 | 0729 | 0679 | 0778 | 0778 | 0678 | 0678 | 0655 | 0553 | 0661 | | | 0728 | 0543 |
| | 02292 | 02301 | 02311 | 02335 | 02388 | 02388 | 02388 | 02388 | 02388 | 02388 | 02399 | 02399 | 02399 | 02399 | 02399 | 02399 | 02399 | 02399 | 02399 | 02399 | 02399 | 02399 | 02399 | |

ALIMENTARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Esophagus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Large, Cecum
Leukemia Mononuclear | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Large, Colon
Leukemia Mononuclear | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Large, Rectum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Small, Duodenum
Leukemia Mononuclear | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Small, Ileum
Leukemia Mononuclear | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Small, Jejunum
Leukemia Mononuclear | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Liver
Hepatocellular Adenoma
Leukemia Mononuclear | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | X |
| | X | X | | X | | | | X | | X | | X | | X | | | | | | X | | | |
| Mesentery
Leukemia Mononuclear
Mesothelioma Malignant | | | | + | | | | | | + | | | | | + | | | | | | + | + | |
| | | | | | | | | | | | | | | | X | | | | | | | | |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

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| FISCHER 344 RATS-NCTR RATS
MALE
0.044 Furan104wk | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | | ANIMAL ID | males
(cont...) |
|--|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------|--------------------|
| | 0
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5 | 0
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8 | 0
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8 | 0
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8 | 0
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6
1 | 0
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8 | 0
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8 | 0
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5 | 0
5
1
5 | 0
5
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3 | 0
6
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1 | 0
7
2
8 | 0
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3 | 0
6
3
5 | | | | |
| | 0
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1 | 0
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5
2 | 0
2
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6
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7
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2 | | |

Squamous Cell Papilloma

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|--------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Pancreas | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | | |
| Acinar Cell, Adenoma | | | | | X | | | X | | | X | X | X | | | X | X | | | | | | | | |
| Acinar Cell, Adenoma, Multiple | | | | | | | | X | | | | | | | X | | | | | | | | | | |

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Salivary Glands | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | | |

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Stomach, Forestomach | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | | |

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Stomach, Glandular | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | | |

Tongue

CARDIOVASCULAR SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Blood Vessel | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | | |

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Heart | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Carcinoma, Metastatic, Preputial Gland | | | | | | | | | | | | | | | | | | | | | | | | | |
| Leukemia Mononuclear | X | X | | | | | | | X | | | X | | X | | | | | | | | | | | |
| Schwannoma Malignant | | | | | | | | | | | | | | | | | | | | | | | | | |

ENDOCRINE SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Adrenal Cortex | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
|----------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

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 Lab: NCTR

| | | DAY ON TEST | | | | | | | | | | | | | | | | | | | | males
(cont...) | | | |
|------------------------------------|-----------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--------------------|---|---|---|
| FISCHER 344 RATS-NCTR RATS
MALE | ANIMAL ID | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | | |
| | | 5 | 7 | 5 | 6 | 7 | 6 | 4 | 7 | 7 | 4 | 7 | 5 | 7 | 6 | 7 | 7 | 7 | 6 | 5 | 5 | | 6 | 7 | 5 |
| | | 9 | 1 | 1 | 2 | 2 | 5 | 1 | 2 | 2 | 2 | 9 | 2 | 6 | 2 | 2 | 2 | 2 | 2 | 1 | 6 | 8 | 2 | 4 | 3 |
| | | 7 | 7 | 4 | 5 | 8 | 5 | 8 | 8 | 8 | 8 | 8 | 9 | 1 | 9 | 9 | 8 | 8 | 5 | 5 | 3 | 1 | 8 | 3 | 5 |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| | | 2 | 3 | 3 | 3 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | |
| | | 9 | 0 | 1 | 1 | 5 | 6 | 6 | 7 | 8 | 8 | 3 | 4 | 5 | 5 | 6 | 6 | 0 | 0 | 0 | 1 | 1 | 2 | 3 | |
| | | 2 | 1 | 1 | 2 | 2 | 1 | 2 | 2 | 1 | 2 | 2 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 2 | 1 | 2 | |

Leukemia Mononuclear

X X

Adrenal Medulla

+ +

Leukemia Mononuclear

X X

Pheochromocytoma Benign

X

Pheochromocytoma Malignant

Bilateral, Pheochromocytoma Benign

X X

Islets, Pancreatic

+ +

Adenoma

X X

Carcinoma

X

Leukemia Mononuclear

Parathyroid Gland

+ +

Pituitary Gland

+ +

Leukemia Mononuclear

Pars Distalis, Adenoma

X X X X X X X X X X X X X X X X

Thyroid Gland

+ +

Leukemia Mononuclear

C-cell, Adenoma

X X X X X X X X X X X X X X X X

C-cell, Carcinoma

Follicular Cell, Adenoma

X X X X X X X X X X X X X X X X

Follicular Cell, Carcinoma

X

GENERAL BODY SYSTEM

Peritoneum

+

Tunica Vaginalis, Mesothelioma Malignant

X

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

Experiment Number: 10119 - 01
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 Furan
 CAS Number: 110-00-9

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 Time Report Requested: 08:42:42
 First Dose M/F: 09/07/09 / NA
 Lab: NCTR

| DAY ON TEST | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|--|-------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----------------------------|---|
| FISCHER 344 RATS-NCTR RATS
MALE | | 5 | 7 | 5 | 6 | 7 | 6 | 4 | 7 | 7 | 4 | 7 | 5 | 7 | 6 | 7 | 7 | 7 | 6 | 5 | 5 | 6 | 7 | 5 |
| | | 9 | 1 | 1 | 2 | 2 | 5 | 1 | 2 | 2 | 9 | 2 | 6 | 2 | 8 | 2 | 2 | 2 | 2 | 1 | 6 | 8 | 2 | 4 |
| | 0.044 Furan104wk | 7 | 7 | 4 | 5 | 8 | 5 | 8 | 8 | 8 | 8 | 9 | 1 | 9 | 9 | 8 | 8 | 8 | 5 | 5 | 3 | 1 | 8 | 3 |
| | ANIMAL ID | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| | | 2 | 3 | 3 | 3 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 1 | 1 | 2 | 2 | 2 | 2 | 2 |
| | | 9 | 0 | 1 | 1 | 1 | 5 | 6 | 6 | 7 | 8 | 8 | 3 | 4 | 5 | 5 | 6 | 6 | 0 | 0 | 0 | 1 | 1 | |
| | | 2 | 1 | 1 | 2 | 2 | 1 | 2 | 2 | 2 | 1 | 2 | 2 | 2 | 1 | 2 | 1 | 2 | 1 | 1 | 2 | 2 | 1 | 2 |
| | | | | | | | | | | | | | | | | | | | | | | | males
(cont...) | |

Tissue NOS
 Carcinoma, Metastatic, Preputial Gland

GENITAL SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Epididymis | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Mesothelioma Malignant | | | | | | | | | | | | | | | | | | | | | | | X |
| Preputial Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Adenoma | | | | | | | | | | | | | | | | | | | | | | | |
| Carcinoma | | | | X | | | X | X | | | | | | | | | | | | | | | |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | |
| Squamous Cell Carcinoma | | | | | | | | | | | | | | | | | | | | | | | |
| Squamous Cell Papilloma | | | | | | | | | | | | | | | | | | X | | | X | | |
| Prostate | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Adenoma | | | | | | | | | | | X | | | | | | | | | | | | |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | |
| Seminal Vesicle | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | |
| Testes | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | |
| Mesothelioma Malignant | | | | | | | | | | | | | | | | | | X | | | | | |
| Bilateral, Interstitial Cell, Adenoma | X | X | | X | | | | X | X | | | | | | | | X | X | X | | | | |
| Interstitial Cell, Adenoma | | | X | | X | X | | X | | | | | X | X | | | | | | | | X | X |

HEMATOPOIETIC SYSTEM

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

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| FISCHER 344 RATS-NCTR RATS
MALE
0.044 Furan104wk | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | ANIMAL ID | males
(cont...) |
|--|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----------|--------------------|
| | 0597 | 0717 | 0514 | 0625 | 0728 | 0655 | 0478 | 0778 | 0748 | 0778 | 0478 | 0579 | 0729 | 0669 | 0779 | 0778 | 0778 | 0665 | 0555 | 0563 | 0681 | 0728 | 0543 | 0635 | | |
| Bone Marrow | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | |
| Leukemia Mononuclear | X | X | | | | | | | | X | | | | | X | | | | | | | | | | | |
| Lymph Node | + | + | + | | | | | | + | | + | | | | | | | | | | | | + | | | |
| Axillary, Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Cervical, Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Deep Cervical, Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hepatic, Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | X | | | |
| Inguinal, Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Lumbar, Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mediastinal, Leukemia Mononuclear | X | | | | | | | | | | | | | | | | | | | | | | | | | |
| Pancreatic, Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Renal, Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Lymph Node, Mandibular | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | |
| Leukemia Mononuclear | | | | | | | | | | | | | | | X | | | | | | | | X | | | |
| Lymph Node, Mesenteric | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | |
| Leukemia Mononuclear | | | | | | | | | | X | | | | | X | | | | | | | | X | | | |
| Spleen | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | |
| Hemangiosarcoma | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Leukemia Mononuclear | X | X | | | X | | | | | X | | | X | | X | | | | | | | | X | | | |
| Thymus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | | | |
| INTEGUMENTARY SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mammary Gland | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

Experiment Number: 10119 - 01
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Furan
 CAS Number: 110-00-9

Date Report Requested: 06/03/2014
 Time Report Requested: 08:42:42
 First Dose M/F: 09/07/09 / NA
 Lab: NCTR

| FISCHER 344 RATS-NCTR RATS
MALE
0.044 Furan104wk | DAY ON TEST | | | | | | | | | | | | | | | | | | | | ANIMAL ID | males
(cont...) | | |
|--|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| | 0
5
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7 | 0
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7 | 0
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1
4 | 0
6
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7
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8 | 0
4
9
8 | 0
7
2
9 | 0
5
6
1 | 0
7
2
9 | 0
6
8
9 | 0
7
2
8 | 0
7
2
8 | 0
6
2
5 | 0
5
1
5 | 0
5
6
3 | 0
6
8
1 | | | 0
7
2
8 | 0
5
4
3 |
| | 0
2
2
9
2 | 0
2
3
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2 |

Adenocarcinoma
 Fibroadenoma

X X X

Skin +
 Squamous Cell Papilloma
 Dermis, Hemangioma
 Sebaceous Gland, Adenoma
 Subcutaneous Tissue, Fibroma X
 Subcutaneous Tissue, Fibrosarcoma X
 Subcutaneous Tissue, Lipoma X

MUSCULOSKELETAL SYSTEM

Bone, Femur +
 Skeletal Muscle
 Mesothelioma Malignant + X

NERVOUS SYSTEM

Brain, Brain Stem +
 Leukemia Mononuclear X
 Brain, Cerebellum +
 Leukemia Mononuclear X
 Brain, Cerebrum +
 Leukemia Mononuclear X
 Oligodendroglioma Malignant

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

Experiment Number: 10119 - 01
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Furan
 CAS Number: 110-00-9

Date Report Requested: 06/03/2014
 Time Report Requested: 08:42:42
 First Dose M/F: 09/07/09 / NA
 Lab: NCTR

| FISCHER 344 RATS-NCTR RATS
MALE
0.044 Furan104wk | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | ANIMAL ID | males
(cont...) |
|--|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------|--------------------|
| | 0
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1
5 | 0
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3 | 0
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8 | 0
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4 | 0
2
9
3
5 | 0
2
9
3
6 | | |

Peripheral Nerve
 Spinal Cord, Cervical
 Spinal Cord, Lumbar
 Spinal Cord, Thoracic

RESPIRATORY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|---|--|--|--|--|--|--|--|--|--|--|--|---|--|--|--|--|--|--|--|--|--|--|---|
| Lung | + | | | | | | | | | | | | | | | | | | | | | | | | |
| Alveolar/Bronchiolar Adenoma | | | | | | | | | | | | | | | | | | | | | | | | | |
| Carcinoma, Metastatic, Preputial Gland | | | | | | | | | | | | | | | | | | | | | | | | | |
| Leukemia Mononuclear | X | X | | | | | | | | | | | | X | | | | | | | | | | | X |
| Nose | + | | | | | | | | | | | | | | | | | | | | | | | | |
| Trachea | + | | | | | | | | | | | | | | | | | | | | | | | | |

SPECIAL SENSES SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------------------|---|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| Ear | | | | | | | | | | | | | | | | | | | | | | | | |
| Neural Crest Tumor | | | | | | | | | | | | | | | | | | | | | | | | |
| Squamous Cell Papilloma | | | | | | | | | | | | | | | | | | | | | | | | |
| Eye | + + + + + + + + + A + + + + + + + + + + + + + + | | | | | | | | | | | | | | | | | | | | | | | |
| Harderian Gland | + | | | | | | | | | | | | | | | | | | | | | | | |
| Zymbal's Gland | + | | | | | | | | | | | | | | | | | | | | | | | |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

Experiment Number: 10119 - 01
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Furan
 CAS Number: 110-00-9

Date Report Requested: 06/03/2014
 Time Report Requested: 08:42:42
 First Dose M/F: 09/07/09 / NA
 Lab: NCTR

| | | DAY ON TEST | | | | | | | | | | | | | | | | | | | | males
(cont...) | | | | |
|------------------------------------|--|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|--------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| FISCHER 344 RATS-NCTR RATS
MALE | | 0
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7
2
8 | 0
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| 0.044 Furan104wk | | 0
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1 |
| ANIMAL ID | | | | | | | | | | | | | | | | | | | | | | | | | | |

Squamous Cell Carcinoma
 Squamous Cell Papilloma

X

URINARY SYSTEM

Kidney
 Leukemia Mononuclear
 Mesenchymal Tumor Malignant

+
 X
 X

Urinary Bladder
 Leukemia Mononuclear

+ +

SYSTEMIC LESIONS

Multiple Organ
 Leukemia Mononuclear
 Mesothelioma Malignant

+
 X
 X

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

Experiment Number: 10119 - 01
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Furan
 CAS Number: 110-00-9

Date Report Requested: 06/03/2014
 Time Report Requested: 08:42:42
 First Dose M/F: 09/07/09 / NA
 Lab: NCTR

| FISCHER 344 RATS-NCTR RATS
MALE
0.044 Furan104wk | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | * TOTALS | | |
|--|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------|-------|-------|
| | 0591 | 0688 | 0535 | 0690 | 0668 | 0547 | 0631 | 0566 | 0699 | 0599 | 0683 | 0556 | 0728 | 0695 | 0728 | 0415 | 0662 | 0569 | 0646 | 0667 | 0681 | 0729 | 0729 | | 0666 | 0728 |
| ANIMAL ID | 03632 | 03641 | 03644 | 03651 | 03655 | 03662 | 03681 | 03688 | 03688 | 03688 | 03688 | 03688 | 03688 | 03688 | 03688 | 03688 | 03688 | 03688 | 03688 | 03688 | 03688 | 03688 | 03688 | 03688 | 03688 | 03688 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

ALIMENTARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--------------|---------------|-----|
| Esophagus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 100 |
| Intestine Large, Cecum
Leukemia Mononuclear | + | + | + | + | + | + | + | + | + | + | A | + | A | + | + | + | + | + | A | + | + | + | A | + | + | 91
1 | |
| Intestine Large, Colon
Leukemia Mononuclear | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | A | + | + | + | A | + | + | 94
1 | |
| Intestine Large, Rectum | + | + | + | + | + | + | + | + | + | + | A | + | A | + | + | + | + | + | A | + | + | + | A | + | + | 94 | |
| Intestine Small, Duodenum
Leukemia Mononuclear | + | + | + | + | + | + | + | + | + | + | A | + | A | + | + | + | + | + | A | + | + | + | A | + | + | 94
1 | |
| Intestine Small, Ileum
Leukemia Mononuclear | + | + | + | + | + | + | + | + | + | + | A | + | A | + | + | + | + | + | A | + | + | + | A | + | + | 91
1 | |
| Intestine Small, Jejunum
Leukemia Mononuclear | + | + | + | + | + | + | + | + | + | + | A | + | A | + | + | + | + | + | A | + | + | + | A | + | + | 91
1 | |
| Liver
Hepatocellular Adenoma
Leukemia Mononuclear | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 99
1
36 | |
| Mesentery
Leukemia Mononuclear
Mesothelioma Malignant | | + | | | | | | | | | + | + | | | + | + | | | | | | | | | 25
1
1 | | |
| Oral Mucosa | | | | | | | | | | | | | | | | | | | | | | | | | | 3 | |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

Experiment Number: 10119 - 01
 Test Type: CHRONIC
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P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Furan
 CAS Number: 110-00-9

Date Report Requested: 06/03/2014
 Time Report Requested: 08:42:42
 First Dose M/F: 09/07/09 / NA
 Lab: NCTR

| FISCHER 344 RATS-NCTR RATS
MALE
0.044 Furan104wk | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | | * TOTALS | |
|--|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------|------|
| | 0591 | 0668 | 0535 | 0690 | 0668 | 0547 | 0661 | 0563 | 0699 | 0697 | 0593 | 0556 | 0728 | 0665 | 0772 | 0415 | 0662 | 0569 | 0664 | 0667 | 0668 | 0722 | 0729 | 0666 | 0778 | | 0668 |
| ANIMAL ID | 0363 | 0364 | 0344 | 0361 | 0365 | 0366 | 0368 | 0368 | 0368 | 0368 | 0368 | 0368 | 0368 | 0368 | 0368 | 0368 | 0368 | 0368 | 0368 | 0368 | 0368 | 0368 | 0368 | 0368 | 0368 | 0368 | |
| Squamous Cell Papilloma | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 |
| Pancreas | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 99 |
| Leukemia Mononuclear | | X | | | | | | | | | | | | | | | | X | X | | | | | | | | 9 |
| Acinar Cell, Adenoma | | | | | | | | | | | | | | X | | | | | | X | | X | | | | | 19 |
| Acinar Cell, Adenoma, Multiple | X | | | | | | | | | | | | | | | | | | | | | | | | | | 4 |
| Salivary Glands | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 99 |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | X | | | | 3 |
| Stomach, Forestomach | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 99 |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | X | | | | 1 |
| Stomach, Glandular | + | + | + | + | + | + | + | + | + | + | A | + | A | + | + | + | + | + | A | + | + | + | + | + | + | + | 96 |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | | X | | | | | | | | | 2 |
| Tongue | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| CARDIOVASCULAR SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Blood Vessel | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 100 |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | X | | | | 3 |
| Heart | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 100 |
| Carcinoma, Metastatic, Preputial Gland | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Leukemia Mononuclear | | X | | | | | | | | | | | X | | | | | X | X | | | | | | | | 19 |
| Schwannoma Malignant | | | | | | | | X | | | | | | | | | | | | | | | | | | | 3 |
| ENDOCRINE SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Adrenal Cortex | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 99 |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

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 Lab: NCTR

| FISCHER 344 RATS-NCTR RATS
MALE
0.044 Furan104wk | DAY ON TEST | | | | | | | | | | | | | | | | | | | | * TOTALS | | | | | |
|--|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------|-------|-------|-------|-------|------|
| | 0591 | 0668 | 0535 | 0690 | 0668 | 0547 | 0631 | 0566 | 0697 | 0593 | 0556 | 0728 | 0665 | 0728 | 0415 | 0662 | 0569 | 0664 | 0665 | 0668 | | 0722 | 0729 | 0666 | 0728 | 0681 |
| ANIMAL ID | 03632 | 03641 | 03642 | 03651 | 03652 | 03661 | 03662 | 03681 | 03682 | 03683 | 03684 | 03685 | 03686 | 03687 | 03688 | 03689 | 03691 | 03692 | 03693 | 03694 | 03695 | 03696 | 03697 | 03698 | 03699 | |
| Leukemia Mononuclear | X | | | | | | | | | | | X | | | | X | | | | | X | | | | | 10 |
| Adrenal Medulla | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 99 |
| Leukemia Mononuclear | X | | | | | | | | | | | X | | | | X | | | | | | | | | | 7 |
| Pheochromocytoma Benign | | | | | | | | | | X | | | | X | | X | | | | | | | | | | 17 |
| Pheochromocytoma Malignant | | | | X | | | | | | | | | | | | | | | | | | | | X | | 4 |
| Bilateral, Pheochromocytoma Benign | | | | | | | | | | | X | | | | | | | | | | | | | | | 7 |
| Islets, Pancreatic | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 99 |
| Adenoma | X | | X | | | X | | | | | | | X | | | | | | | X | | | | | | 13 |
| Carcinoma | | | | | | | | | | | | | | | | | | | | | | | | | | 3 |
| Leukemia Mononuclear | X | | | | | | | | | | | | | | | X | | | | | | | | | | 3 |
| Parathyroid Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 98 |
| Pituitary Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 100 |
| Leukemia Mononuclear | X | X | X | X | X | X | | | X | X | X | X | | | | X | X | X | X | X | X | X | X | X | X | 9 |
| Pars Distalis, Adenoma | X | X | X | X | X | | | X | X | X | X | | | | X | | X | X | X | X | X | X | X | X | X | 64 |
| Thyroid Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 99 |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | X | | | | | | | | | 1 |
| C-cell, Adenoma | | | | | | | | | | | | | X | | | | | | | X | X | | | | | 9 |
| C-cell, Carcinoma | | | | | | | | | | | | | | | | | | | | | | | | | | 2 |
| Follicular Cell, Adenoma | | | | | | | | | | | X | | | | | | | | | | | | | | | 5 |
| Follicular Cell, Carcinoma | | | | | | | | | | | | | | | | | | | | | | | | | | 2 |

GENERAL BODY SYSTEM

| | |
|--|---|
| Peritoneum | 1 |
| Tunica Vaginalis, Mesothelioma Malignant | 1 |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

Experiment Number: 10119 - 01
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Furan
 CAS Number: 110-00-9

Date Report Requested: 06/03/2014
 Time Report Requested: 08:42:42
 First Dose M/F: 09/07/09 / NA
 Lab: NCTR

| FISCHER 344 RATS-NCTR RATS
MALE
0.044 Furan104wk | DAY ON TEST | | | | | | | | | | | | | | | | | | | | * TOTALS | | | |
|--|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------|-------|-------|-------|
| | 0591 | 0668 | 0535 | 0690 | 0668 | 0547 | 0631 | 0566 | 0697 | 0599 | 0599 | 0788 | 0629 | 0585 | 0666 | 0564 | 0678 | 0662 | 0722 | 0679 | | 0666 | 0728 | 0678 |
| ANIMAL ID | 03632 | 03641 | 03642 | 03651 | 03652 | 03662 | 03682 | 03688 | 03688 | 03688 | 03688 | 03688 | 03644 | 03644 | 03644 | 03644 | 03644 | 03645 | 03655 | 03655 | 03611 | 03612 | 03621 | 03622 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

Tissue NOS 2
 Carcinoma, Metastatic, Preputial Gland 1

GENITAL SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| Epididymis | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | 98 |
| Mesothelioma Malignant | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Preputial Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 99 |
| Adenoma | | | | | | X | | | | | | | | | | X | | | | | | | X | | | | 4 |
| Carcinoma | | | | | | | | | | | | | | | | | | | | | | | | | | | 7 |
| Leukemia Mononuclear | | | | | | | | | | | | | X | | | | | X | | | | X | | | | | 6 |
| Squamous Cell Carcinoma | | | | | | | | X | | | | | | X | | | | | | | | | | | | | 5 |
| Squamous Cell Papilloma | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 |
| Prostate | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | 98 |
| Adenoma | | | | | | | | | | | | | | | | | | | | | | | | | | | 3 |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | X | | | 5 |
| Seminal Vesicle | + | + | + | + | + | + | + | + | + | + | A | + | A | + | + | + | + | + | A | + | + | + | + | + | + | + | 96 |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | X | | | | 3 |
| Testes | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | 98 |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Mesothelioma Malignant | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Bilateral, Interstitial Cell, Adenoma | | | | | | | | | | | | | | | | | | | | X | | X | | X | | | 22 |
| Interstitial Cell, Adenoma | | | | X | | | X | X | X | X | | X | X | X | | | | | | | | | | X | | | 30 |

HEMATOPOIETIC SYSTEM

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

Experiment Number: 10119 - 01
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Furan
 CAS Number: 110-00-9

Date Report Requested: 06/03/2014
 Time Report Requested: 08:42:42
 First Dose M/F: 09/07/09 / NA
 Lab: NCTR

| FISCHER 344 RATS-NCTR RATS
MALE
0.044 Furan104wk | DAY ON TEST | | | | | | | | | | | | | | | | | | | | * TOTALS | | | | | | |
|--|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------|-------|-------|-------|-------|------|----|
| | 0591 | 0668 | 0535 | 0690 | 0668 | 0547 | 0631 | 0566 | 0699 | 0599 | 0683 | 0556 | 0728 | 0695 | 0728 | 0415 | 0662 | 0569 | 0664 | 0668 | | 0722 | 0729 | 0666 | 0728 | 0681 | |
| ANIMAL ID | 03632 | 03641 | 03644 | 03651 | 03655 | 03662 | 03681 | 03688 | 03688 | 03688 | 03688 | 03688 | 03688 | 03688 | 03688 | 03688 | 03688 | 03688 | 03688 | 03688 | 03688 | 03688 | 03688 | 03688 | 03688 | | |
| Bone Marrow | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | A | + | + | + | A | + | + | 95 |
| Leukemia Mononuclear | | X | | | | | | | | | | | | | | X | X | X | | | | X | | | | | 23 |
| Lymph Node | + | + | | | | | | + | | + | | + | A | | | + | | + | + | + | | + | | | + | | 35 |
| Axillary, Leukemia Mononuclear | | X | | | | | | | | | | | | | | X | | | | | | | | | | | 3 |
| Cervical, Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 |
| Deep Cervical, Leukemia Mononuclear | | | X | | | | | | | | | | | | | X | | | | | | | | | | | 2 |
| Hepatic, Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | X | | | | | | | 2 |
| Inguinal, Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Lumbar, Leukemia Mononuclear | | | X | | | | | | | | | | | | | X | | X | | | | | | | | | 7 |
| Mediastinal, Leukemia Mononuclear | | | | | | | | | | | | | | | | | | X | X | | | | | | | | 7 |
| Pancreatic, Leukemia Mononuclear | | | | | | | | | | | | | | | | X | | | | | | | | | | | 7 |
| Renal, Leukemia Mononuclear | | | | | | | | | | | | | | | | X | | X | X | | | | | | | | 6 |
| Lymph Node, Mandibular | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 99 |
| Leukemia Mononuclear | | X | | | | | | | | | | | | | | X | X | X | | | | | | | | | 13 |
| Lymph Node, Mesenteric | + | + | + | + | + | + | + | + | + | + | A | + | A | + | + | + | + | + | A | + | + | + | A | + | + | 93 | |
| Leukemia Mononuclear | | X | | | | | | | | | | | | | | X | X | X | | | | | | | | 18 | |
| Spleen | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 98 | |
| Hemangiosarcoma | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | |
| Leukemia Mononuclear | | X | | | | | | | X | | | X | X | | X | X | X | X | | | X | | | X | | 36 | |
| Thymus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 98 | |
| Leukemia Mononuclear | | X | | | | | | | | | | | | | | | X | | | | | | | | | 6 | |

INTEGUMENTARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| Mammary Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | 95 |
|---------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

Experiment Number: 10119 - 01
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Furan
 CAS Number: 110-00-9

Date Report Requested: 06/03/2014
 Time Report Requested: 08:42:42
 First Dose M/F: 09/07/09 / NA
 Lab: NCTR

| FISCHER 344 RATS-NCTR RATS
MALE
0.044 Furan104wk | DAY ON TEST | | | | | | | | | | | | | | | | | | | | * TOTALS | | | | | |
|--|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------|-------|-------|-------|-------|--|
| | 0591 | 0668 | 0535 | 0690 | 0668 | 0547 | 0631 | 0566 | 0697 | 0599 | 0683 | 0576 | 0678 | 0525 | 0662 | 0566 | 0665 | 0668 | 0722 | 0729 | | 0666 | 0728 | 0678 | 0681 | |
| ANIMAL ID | 03632 | 03641 | 03644 | 03651 | 03655 | 03662 | 03682 | 03688 | 03688 | 03688 | 03688 | 03688 | 03688 | 03644 | 03644 | 03644 | 03644 | 03644 | 03644 | 03655 | 03655 | 03655 | 03655 | 03644 | 03644 | |
| Adenocarcinoma | | | | | | | | | | | | | | | | | | | | | | | | | 2 | |
| Fibroadenoma | | | | X | | | | | | X | | | | | | | | | X | | | | X | | 8 | |
| Skin | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 100 | |
| Squamous Cell Papilloma | | | | | | | | | | X | | | | | | | | | | X | | | | | 2 | |
| Dermis, Hemangioma | | | | | | | | | | | | | | | | | | | | | | | | | 1 | |
| Sebaceous Gland, Adenoma | | | | | | | | | | | | | | | | | | | | | | | | | 1 | |
| Subcutaneous Tissue, Fibroma | X | | | | | | | | X | | | | | | | | | | | | | | | | 3 | |
| Subcutaneous Tissue, Fibrosarcoma | | | | | | | | | | | | | | | | | | | X | | | | | | 2 | |
| Subcutaneous Tissue, Lipoma | | | | | | | | | | | | | | | | | | | | | | | | | 4 | |
| MUSCULOSKELETAL SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bone, Femur | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 100 | |
| Skeletal Muscle | | | | | | | | | | | | | | | | | | | | | | | | | 2 | |
| Mesothelioma Malignant | | | | | | | | | | | | | | | | | | | | | | | | | 1 | |
| NERVOUS SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Brain, Brain Stem | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 99 | |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | | 1 | |
| Brain, Cerebellum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 99 | |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | | 2 | |
| Brain, Cerebrum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 99 | |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | | 2 | |
| Oligodendroglioma Malignant | | | | | | | | | X | | | | | | | | | | | | | | | 1 | | |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

Experiment Number: 10119 - 01
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Furan
 CAS Number: 110-00-9

Date Report Requested: 06/03/2014
 Time Report Requested: 08:42:42
 First Dose M/F: 09/07/09 / NA
 Lab: NCTR

| FISCHER 344 RATS-NCTR RATS
MALE
0.044 Furan104wk | DAY ON TEST | | | | | | | | | | | | | | | | | | | | * TOTALS | | | |
|--|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------|-------|-------|-------|
| | 0591 | 0668 | 0535 | 0690 | 0668 | 0547 | 0631 | 0566 | 0699 | 0699 | 0583 | 0629 | 0768 | 0675 | 0742 | 0666 | 0565 | 0664 | 0667 | 0722 | | 0729 | 0666 | 0728 |
| ANIMAL ID | 03632 | 03641 | 03644 | 03651 | 03655 | 03662 | 03682 | 03688 | 03688 | 03688 | 03688 | 03688 | 03644 | 03644 | 03644 | 03644 | 03644 | 03644 | 03645 | 03655 | 03655 | 03611 | 03612 | 03612 |
| Peripheral Nerve | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Spinal Cord, Cervical | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Spinal Cord, Lumbar | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Spinal Cord, Thoracic | | | | | | | | | | | | | | | | | | | | | | | | 1 |

RESPIRATORY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| Lung | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 99 |
| Alveolar/Bronchiolar Adenoma | | | | | | | | | | | | | X | | | | | | | | | | | 2 |
| Carcinoma, Metastatic, Preputial Gland | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Leukemia Mononuclear | | X | | | | | | | X | | | | X | | X | | X | | X | | | | | 26 |
| Nose | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | A | + | + | + | + | + | 96 |
| Trachea | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 99 |

SPECIAL SENSES SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| Ear | | | | | | | | | | | + | | | | | | | | | | | | | 3 |
| Neural Crest Tumor | | | | | | | | | | | | | | | | | | | | | | X | | 2 |
| Squamous Cell Papilloma | | | | | | | | | | | X | | | | | | | | | | | | | 1 |
| Eye | + | + | + | + | + | + | + | + | + | + | A | + | A | + | + | + | + | A | + | + | + | A | + | 92 |
| Harderian Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 99 |
| Zymbal's Gland | | | | | | | | | | | | | | | | | | | | | | | | 2 |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

Experiment Number: 10119 - 01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Furan

CAS Number: 110-00-9

Date Report Requested: 06/03/2014

Time Report Requested: 08:42:42

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

Lab: NCTR

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------------|---|---|
| FISCHER 344 RATS-NCTR RATS MALE
0.044 Furan104wk | DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | * TOTALS | | |
| | | 5 | 6 | 5 | 6 | 6 | 5 | 6 | 5 | 6 | 5 | 5 | 7 | 6 | 7 | 4 | 6 | 5 | 6 | 6 | 6 | 6 | 7 | 7 | 6 | | 7 | 6 |
| | | 9 | 6 | 3 | 9 | 6 | 4 | 3 | 9 | 9 | 9 | 8 | 2 | 9 | 2 | 1 | 6 | 6 | 4 | 7 | 8 | 2 | 2 | 6 | 2 | | 8 | 8 |
| | 1 | 8 | 5 | 0 | 8 | 7 | 1 | 6 | 7 | 3 | 6 | 8 | 5 | 8 | 5 | 2 | 9 | 6 | 5 | 1 | 9 | 9 | 6 | 8 | 1 | | | |
| | ANIMAL ID | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| | | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | | |
| | | 6 | 6 | 6 | 6 | 6 | 6 | 8 | 8 | 8 | 8 | 8 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | | | |
| | | 3 | 4 | 4 | 5 | 5 | 6 | 2 | 3 | 4 | 5 | 3 | 3 | 4 | 5 | 6 | 6 | 1 | 1 | 1 | 2 | 3 | 4 | 7 | 7 | | | |
| | | 2 | 1 | 2 | 1 | 2 | 2 | 1 | 2 | 2 | 1 | 2 | 2 | 2 | 2 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 2 | | | |

Squamous Cell Carcinoma
Squamous Cell Papilloma

1
1

URINARY SYSTEM

Kidney
Leukemia Mononuclear
Mesenchymal Tumor Malignant

+
X
X X X

99
13
1

Urinary Bladder
Leukemia Mononuclear

+ + + + + + + + + + + + + + + + X + + + + + + + + + +

99
4

SYSTEMIC LESIONS

Multiple Organ
Leukemia Mononuclear
Mesothelioma Malignant

+
X
X X X X X X X X X X X X X X X X

100
36
1

* .. Total animals with tissue examined microscopically; Total animals with tumor
+ .. Tissue examined microscopically
X .. Lesion present
I .. Insufficient tissue

M .. Missing tissue
A .. Autolysis precludes evaluation
BLANK .. Not examined microscopically

Experiment Number: 10119 - 01
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Furan
 CAS Number: 110-00-9

Date Report Requested: 06/03/2014
 Time Report Requested: 08:42:42
 First Dose M/F: 09/07/09 / NA
 Lab: NCTR

| FISCHER 344 RATS-NCTR RATS
MALE
0.092 Furan104wk | DAY ON TEST | | | | | | | | | | | | | | | | | | | | ANIMAL ID | males
(cont...) | | | | | |
|--|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----------|--------------------|------|------|------|------|------|
| | 0729 | 0729 | 0691 | 0665 | 0337 | 0751 | 0578 | 0722 | 0661 | 0665 | 0711 | 0669 | 0711 | 0664 | 0711 | 0668 | 0711 | 0554 | 0551 | 0723 | | | 0664 | 0666 | 0666 | 0666 | 0709 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| | 4 | 5 | 5 | 6 | 7 | 3 | 3 | 4 | 4 | 5 | 6 | 6 | 4 | 5 | 6 | 7 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | 2 | 1 | 2 | 1 | 1 | 1 | 2 | 1 | 2 | 1 | 1 | 2 | 1 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 1 |

ALIMENTARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Esophagus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Large, Cecum
Leukemia Mononuclear | + | + | + | + | + | + | A | + | + | X | + | + | A | + | + | A | + | + | + | A | + | + | + | + | + | + |
| Intestine Large, Colon | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + |
| Intestine Large, Rectum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | A | + | + | + | + | + | + |
| Intestine Small, Duodenum
Leukemia Mononuclear | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | A | + | + | + | + | + | + |
| Intestine Small, Ileum
Leukemia Mononuclear | + | + | + | + | + | + | A | + | + | X | + | + | A | + | + | A | + | + | A | A | + | + | + | + | + | + |
| Intestine Small, Jejunum
Leukemia Mononuclear | + | + | + | + | + | + | A | + | + | X | + | + | A | + | + | A | + | + | + | A | + | + | + | + | + | + |
| Liver
Fibrous Histiocytoma, Metastatic, Skin
Hepatocellular Adenoma
Leukemia Mononuclear | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | X | + | + | + | + | + | + | + |
| | | | | | | | | | | | X | X | X | X | X | | | X | | X | X | X | X | | | |
| Mesentery
Leukemia Mononuclear | + | | | | | | + | | | | | | | | + | + | | | | | + | | | | | |
| Oral Mucosa
Squamous Cell Carcinoma | | + | | | | | | | | | | | | | | | | | | | | | | | | X |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

Experiment Number: 10119 - 01
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Furan
 CAS Number: 110-00-9

Date Report Requested: 06/03/2014
 Time Report Requested: 08:42:42
 First Dose M/F: 09/07/09 / NA
 Lab: NCTR

| FISCHER 344 RATS-NCTR RATS
MALE
0.092 Furan104wk | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | | ANIMAL ID | males
(cont...) |
|--|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----------|--------------------|
| | 0729 | 0729 | 0691 | 0665 | 0337 | 0751 | 0752 | 0762 | 0661 | 0667 | 0761 | 0667 | 0771 | 0668 | 0772 | 0778 | 0554 | 0557 | 0723 | 0664 | 0666 | 0666 | 0666 | 0676 | 0669 | | |

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|--------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Pancreas | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Leukemia Mononuclear | | | | | | | | | | | | X | | | | | | | | | | | | | |
| Acinar Cell, Adenoma | | | | | | | X | | | X | | | | | X | | | X | | | | | | | |
| Acinar Cell, Adenoma, Multiple | | | | | | X | | X | X | | | | | | | | | | X | | | | | | |
| Salivary Glands | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Adenoma | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sarcoma | | | | | | | | | | | | | | | | | | | | | | | | | |
| Schwannoma Malignant | | | | | | | | | | | | | | | | | | | | | | | | | |
| Stomach, Forestomach | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | X | |
| Squamous Cell Papilloma | | | | | | | | | | | | | | | | | | | | | | | | | |
| Stomach, Glandular | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + |
| Tongue | | | | | | | | | | | | | | | | | | | | | | | | | |
| Squamous Cell Papilloma | | | | | | | | | | | | | | | | | | | | | | | | | |

CARDIOVASCULAR SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Blood Vessel | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Adventitia, Sarcoma | | | | | | | | | | | | | | | | | | | | | | | | | |
| Heart | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Hemangiosarcoma | | | | | | | | | | | | | | | | | | | | | | | | | |
| Leukemia Mononuclear | | | | | | | | | | | | X | X | X | X | | | | | | | | X | X | |
| Schwannoma Malignant | | | | | | | | | | | | | | | | | | | | | | | | | |

ENDOCRINE SYSTEM

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

Experiment Number: 10119 - 01
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Furan
 CAS Number: 110-00-9

Date Report Requested: 06/03/2014
 Time Report Requested: 08:42:42
 First Dose M/F: 09/07/09 / NA
 Lab: NCTR

| FISCHER 344 RATS-NCTR RATS
MALE
0.092 Furan104wk | DAY ON TEST | | | | | | | | | | | | | | | | | | | | ANIMAL ID | males
(cont...) | | | | | | |
|--|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----------|--------------------|------|------|------|------|------|------|
| | 0729 | 0729 | 0691 | 0665 | 0337 | 0751 | 0578 | 0722 | 0661 | 0665 | 0711 | 0661 | 0711 | 0661 | 0711 | 0661 | 0711 | 0554 | 0554 | 0723 | | | 0664 | 0663 | 0667 | 0666 | 0666 | 0709 |
| Adrenal Cortex | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Leukemia Mononuclear | | | | | | | | | | | X | X | X | X | | | | | | | | | | | | | X | X |
| Adrenal Medulla | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Leukemia Mononuclear | | | | | | | | | | | X | X | X | | | | | | | | | | | | | | X | X |
| Pheochromocytoma Benign | | | | | | | | | | | | | | X | X | X | | | X | | | | | | | X | X | |
| Pheochromocytoma Complex | | | | | | | | | | | | | | | | | | | | X | | | | | | | | |
| Pheochromocytoma Malignant | | | | X | | | | | | | X | | | | | | | | | | | | | | | | X | |
| Bilateral, Pheochromocytoma Benign | | | | | | | | | | | X | | X | | | | | | | | | | | | X | | | |
| Bilateral, Pheochromocytoma Malignant | | | | | | | | | | | | | | | | | | | | | X | | | | | | | |
| Islets, Pancreatic | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Adenoma | X | | | | | X | | X | | X | | X | | | | | X | | | | | | | | | | X | |
| Carcinoma | | | | | | | | | | | | | | | | | | | | | | | | | X | | | |
| Parathyroid Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Pituitary Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Leukemia Mononuclear | | | | | | | | | | | X | | | | | | | | | | | | | | | | X | |
| Pars Distalis, Adenoma | X | | X | X | X | X | X | X | X | X | X | X | | X | X | | | X | X | X | | X | X | X | | X | X | X |
| Pars Distalis, Carcinoma | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Thyroid Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| C-cell, Adenoma | X | | | | | | | | | | | | | | | | | | | | X | | | | | | | |
| C-cell, Carcinoma | | | | | | | | | | | | | | | X | | | | | | | | | | | | | |
| Follicular Cell, Carcinoma | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

GENERAL BODY SYSTEM

| | |
|------------|---|
| Tissue NOS | + |
|------------|---|

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

Experiment Number: 10119 - 01
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Furan
 CAS Number: 110-00-9

Date Report Requested: 06/03/2014
 Time Report Requested: 08:42:42
 First Dose M/F: 09/07/09 / NA
 Lab: NCTR

| | | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | males
(cont...) | | | | |
|---------------------------------|--|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------------------|-------|-------|-------|-------|
| FISCHER 344 RATS-NCTR RATS MALE | | 0729 | 0729 | 0668 | 0668 | 0337 | 0337 | 0575 | 0575 | 0729 | 0729 | 0666 | 0666 | 0771 | 0771 | 0666 | 0666 | 0777 | 0777 | 0666 | 0666 | 0666 | 0666 | 0777 | 0777 | | 0666 | 0666 | 0777 | 0777 |
| 0.092 Furan104wk | | 00242 | 00242 | 00242 | 00242 | 00242 | 00242 | 00242 | 00242 | 00242 | 00242 | 00242 | 00242 | 00242 | 00242 | 00242 | 00242 | 00242 | 00242 | 00242 | 00242 | 00242 | 00242 | 00242 | 00242 | | 00242 | 00242 | 00242 | 00242 |
| ANIMAL ID | | 00242 | 00242 | 00242 | 00242 | 00242 | 00242 | 00242 | 00242 | 00242 | 00242 | 00242 | 00242 | 00242 | 00242 | 00242 | 00242 | 00242 | 00242 | 00242 | 00242 | 00242 | 00242 | 00242 | 00242 | 00242 | 00242 | 00242 | 00242 | |

Abdominal, Lipoma
 Abdominal, Paraganglioma Malignant X

GENITAL SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Epididymis | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Mesothelioma Malignant | | | | X | | | | | | | | | | | | | | | | | | | | | | | | | |
| Preputial Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Adenoma | | | | | X | | | | | | | | | | | | | X | | | | X | | | | | | | |
| Carcinoma | | | | | | | | | | | X | | | | | | | | X | | | | | | | | | | |
| Leukemia Mononuclear | | | | | | | | | | X | | | | | | | | | | | | | | | | | | | |
| Squamous Cell Carcinoma | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Squamous Cell Papilloma | | | | X | | | | | | | | | | | | | | | | | | | | | | | | | |
| Prostate | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Adenoma | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Adenoma, Multiple | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Leukemia Mononuclear | | | | | | | | | | X | | | | | | | | | | | | | | | | | | | |
| Seminal Vesicle | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | A | + | + | + | + | + | + | + | + |
| Leukemia Mononuclear | | | | | | | | | | X | | | | | | | | | | | | | | | | | | | |
| Testes | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Mesothelioma Malignant | | | | X | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bilateral, Interstitial Cell, Adenoma | | X | | | X | | | | | | X | | | | X | | | | | | | | | | | X | X | | |
| Interstitial Cell, Adenoma | X | | | | | | | X | X | | | X | | X | | | | | X | X | X | X | | | | | | | |

HEMATOPOIETIC SYSTEM

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

Experiment Number: 10119 - 01
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Furan
 CAS Number: 110-00-9

Date Report Requested: 06/03/2014
 Time Report Requested: 08:42:42
 First Dose M/F: 09/07/09 / NA
 Lab: NCTR

| FISCHER 344 RATS-NCTR RATS
MALE
0.092 Furan104wk | DAY ON TEST | | | | | | | | | | | | | | | | | | | | ANIMAL ID | males
(cont...) | | | | | |
|--|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----------|--------------------|------|------|------|------|------|
| | 0729 | 0729 | 0691 | 0665 | 0337 | 0751 | 0578 | 0722 | 0669 | 0665 | 0711 | 0668 | 0719 | 0671 | 0668 | 0722 | 0728 | 0540 | 0554 | 0723 | | | 0665 | 0664 | 0667 | 0666 | 0709 |
| | 0024 | 0001 | 0002 | 0002 | 0002 | 0006 | 0006 | 0006 | 0006 | 0006 | 0006 | 0006 | 0009 | 0009 | 0009 | 0009 | 0009 | 0009 | 0011 | 0011 | 0011 | 0011 | 0011 | 0011 | 0012 | 0012 | 0014 |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Bone Marrow | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Leukemia Mononuclear | | | | | | | | | | X | X | X | X | | | | | | | | | | | X | X | X | |
| Lymph Node | | | | | | M | + | | + | | + | + | | + | | | | | | | | | | + | + | + | + |
| Axillary, Leukemia Mononuclear | | | | | | | | | | | X | | | | | | | | | | | | | | | | |
| Cervical, Leukemia Mononuclear | | | | | | | | | | | X | | | | | | | | | | | | | | | | |
| Lumbar, Leukemia Mononuclear | | | | | | | | | | | X | | | | | | | | | | | | | X | | | |
| Mediastinal, Leukemia Mononuclear | | | | | | | | | | | X | | | | | | | | | | | | | X | | | |
| Pancreatic, Leukemia Mononuclear | | | | | | | | | | | X | X | | X | | | | | | | | | | | X | X | |
| Renal, Leukemia Mononuclear | | | | | | | | | | | X | | | | | | | | | | | | | X | | | |
| Lymph Node, Mandibular | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Leukemia Mononuclear | | | | | | | | | | | X | | | | | | | | | | | | | X | X | X | |
| Lymph Node, Mesenteric | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Leukemia Mononuclear | | | | | | | | | | | X | X | | X | | | | | | | | | | X | X | X | |
| Spleen | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Leukemia Mononuclear | | | | | | | | | | | X | X | X | X | X | | | | | X | | | X | X | X | X | |
| Thymus | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Leukemia Mononuclear | | | | | | | | | | | X | | | | | | | | | | | | | | | | X |
| Adventitia, Sarcoma | | | | | | | | | | | | | | | | | | | | | | | | | | | |

INTEGUMENTARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|
| Mammary Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Adenocarcinoma | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Adenoma | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Fibroadenoma | | | | | | | | | | | X | | | | | | | | | | | | | | | | X | |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

Experiment Number: 10119 - 01
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/F 344/NCTR

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 Furan
 CAS Number: 110-00-9

Date Report Requested: 06/03/2014
 Time Report Requested: 08:42:42
 First Dose M/F: 09/07/09 / NA
 Lab: NCTR

| | | DAY ON TEST | | | | | | | | | | | | | | | | | | | | males
(cont...) | | | | | | |
|---------------------------------|--|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|--------------------|------|------|------|------|------|------|
| FISCHER 344 RATS-NCTR RATS MALE | | 0729 | 0729 | 0668 | 0668 | 0373 | 0373 | 0579 | 0579 | 0762 | 0762 | 0666 | 0666 | 0771 | 0771 | 0666 | 0666 | 0554 | 0554 | 0773 | 0773 | | 0666 | 0666 | 0667 | 0667 | 0669 | 0669 |
| 0.092 Furan104wk | | 0024 | 0024 | 0022 | 0022 | 0022 | 0022 | 0026 | 0026 | 0026 | 0026 | 0026 | 0026 | 0026 | 0026 | 0026 | 0026 | 0026 | 0026 | 0026 | 0026 | | 0026 | 0026 | 0026 | 0026 | 0026 | 0026 |
| ANIMAL ID | | 0024 | 0024 | 0022 | 0022 | 0022 | 0022 | 0026 | 0026 | 0026 | 0026 | 0026 | 0026 | 0026 | 0026 | 0026 | 0026 | 0026 | 0026 | 0026 | 0026 | 0026 | 0026 | 0026 | 0026 | 0026 | 0026 | |

Fibroadenoma, Multiple
 Leukemia Mononuclear

X

Skin

+ +

Basal Cell Adenoma
 Basal Cell Carcinoma

Keratoacanthoma

Squamous Cell Papilloma

X

Subcutaneous Tissue, Fibroma

X

Subcutaneous Tissue, Fibrous Histiocytoma

X

Subcutaneous Tissue, Lipoma

X

MUSCULOSKELETAL SYSTEM

Bone, Femur

+ +

Skeletal Muscle

+

NERVOUS SYSTEM

Brain, Brain Stem

+ +

Carcinoma, Metastatic, Pituitary Gland

Leukemia Mononuclear

X

Brain, Cerebellum

+ +

Leukemia Mononuclear

X X

Brain, Cerebrum

+ +

Leukemia Mononuclear

X

X X

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

Experiment Number: 10119 - 01
 Test Type: CHRONIC
 Route: GAVAGE
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 Furan
 CAS Number: 110-00-9

Date Report Requested: 06/03/2014
 Time Report Requested: 08:42:42
 First Dose M/F: 09/07/09 / NA
 Lab: NCTR

| FISCHER 344 RATS-NCTR RATS
MALE
0.092 Furan104wk | DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
|--|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ANIMAL ID | 7 | 7 | 6 | 6 | 3 | 7 | 5 | 7 | 6 | 6 | 7 | 6 | 7 | 6 | 7 | 7 | 5 | 5 | 7 | 6 | 6 | 6 | 6 | 7 | 6 |
| | | 2 | 2 | 9 | 5 | 3 | 1 | 8 | 2 | 1 | 5 | 1 | 9 | 1 | 8 | 2 | 2 | 0 | 4 | 2 | 9 | 4 | 6 | 6 | 0 | 9 |
| | | 9 | 9 | 1 | 8 | 7 | 3 | 9 | 2 | 9 | 5 | 8 | 4 | 2 | 4 | 8 | 8 | 4 | 1 | 3 | 5 | 3 | 7 | 6 | 9 | 7 |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | | 2 | 2 | 2 | 2 | 2 | 6 | 6 | 6 | 6 | 6 | 6 | 9 | 9 | 9 | 9 | 9 | 9 | 2 | 2 | 2 | 2 | 2 | 2 | 4 | |
| | | 4 | 5 | 5 | 6 | 7 | 3 | 3 | 4 | 4 | 5 | 6 | 6 | 4 | 4 | 5 | 5 | 6 | 7 | 0 | 1 | 1 | 1 | 3 | 8 | |
| | | 2 | 1 | 2 | 1 | 1 | 1 | 2 | 1 | 2 | 1 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 2 | 1 | |

males
(cont...)

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|---|
| Peripheral Nerve | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | + |
| Spinal Cord, Cervical
Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | | | | | | + |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | X |
| Spinal Cord, Lumbar
Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | | | | | | + |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | X |
| Spinal Cord, Thoracic
Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | | | | | | + |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | X |

RESPIRATORY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lung
Leukemia Mononuclear | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | X |
| Nose | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | |
| Trachea | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |

SPECIAL SENSES SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Eye
Leukemia Mononuclear | + | + | + | + | + | + | + | A | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | X |
| Harderian Gland
Leukemia Mononuclear | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | X |
| Zymbal's Gland
Carcinoma | | | | | | | | | + | | | | | | | | | | | | | | | | | | | + | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | X |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

Experiment Number: 10119 - 01
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Furan
 CAS Number: 110-00-9

Date Report Requested: 06/03/2014
 Time Report Requested: 08:42:42
 First Dose M/F: 09/07/09 / NA
 Lab: NCTR

| | | DAY ON TEST | | | | | | | | | | | | | | | | | | | | males
(cont...) | | | | |
|--|--|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--------------------|---|---|---|---|
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 | | |
| FISCHER 344 RATS-NCTR RATS
MALE | | 7 | 7 | 6 | 6 | 3 | 7 | 5 | 7 | 6 | 6 | 7 | 6 | 7 | 6 | 7 | 7 | 5 | 5 | 7 | 6 | 6 | 6 | 6 | 7 | 6 |
| | | 2 | 2 | 9 | 5 | 3 | 1 | 8 | 2 | 2 | 1 | 5 | 1 | 9 | 1 | 8 | 2 | 2 | 0 | 4 | 2 | 9 | 4 | 6 | 6 | 9 |
| 0.092 Furan104wk | | 9 | 9 | 1 | 8 | 7 | 3 | 9 | 2 | 9 | 5 | 8 | 4 | 2 | 4 | 8 | 8 | 4 | 1 | 3 | 5 | 3 | 7 | 6 | 7 | |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | 2 | 2 | 2 | 2 | 2 | 6 | 6 | 6 | 6 | 6 | 6 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 2 | 2 | 2 | 2 | 2 | 2 | |
| | | 4 | 5 | 5 | 6 | 7 | 3 | 3 | 4 | 4 | 5 | 6 | 4 | 4 | 5 | 5 | 6 | 7 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | |
| | | 2 | 1 | 2 | 1 | 1 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | |

Squamous Cell Carcinoma

URINARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Kidney | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Leukemia Mononuclear | | | | | | | | | | | X | X | | | | | | | | | | | | X |
| Transitional Epithelial Carcinoma | | | | | | | | | | | | | | X | | | | | | | | | | |
| Urethra | | | | | | | | | | | | | | | | | | | | | | | | |
| Urinary Bladder | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Leukemia Mononuclear | | | | | | | | | | | X | | | | | | | | | | | | | |

SYSTEMIC LESIONS

| | | | | | | | | | | | | | | | | | | | | | | | | |
|------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Multiple Organ | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Leukemia Mononuclear | | | | | | | | | | | X | X | X | X | X | | | | X | | | X | X | X |
| Mesothelioma Malignant | | | | X | | | | | | | | | | | | | | | | | | | | |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

Experiment Number: 10119 - 01
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Furan
 CAS Number: 110-00-9

Date Report Requested: 06/03/2014
 Time Report Requested: 08:42:42
 First Dose M/F: 09/07/09 / NA
 Lab: NCTR

| FISCHER 344 RATS-NCTR RATS
MALE
0.092 Furan104wk | DAY ON TEST | | | | | | | | | | | | | | | | | | | | ANIMAL ID | males
(cont...) | | |
|--|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| | 0
7
2
9 | 0
6
5
6 | 0
7
2
8 | 0
7
2
8 | 0
5
1
8 | 0
5
6
3 | 0
6
5
5 | 0
3
3
7 | 0
7
2
8 | 0
5
4
9 | 0
4
8
6 | 0
7
2
8 | 0
5
7
8 | 0
6
5
3 | 0
5
6
4 | 0
7
1
7 | 0
5
5
9 | 0
6
4
1 | 0
6
7
6 | 0
6
4
2 | | | 0
6
1
2 | 0
6
2
4 |
| | 0
1
4
9
1 | 0
1
4
9
2 | 0
1
5
0
1 | 0
1
5
1
2 | 0
1
6
6
7 | 0
1
6
6
1 | 0
1
6
6
2 | 0
1
6
6
8 | 0
1
6
9
1 | 0
1
6
9
2 | 0
2
3
6
1 | 0
2
3
6
1 | 0
2
3
6
8 | 0
2
3
6
2 | 0
2
3
6
1 | 0
2
6
3
2 | 0
2
6
3
4 | 0
2
6
4
2 | 0
2
6
4
2 | 0
2
6
5
6 | 0
2
6
6
1 | 0
2
6
6
2 | 0
2
9
7
1 | 0
2
9
7
8 |

ALIMENTARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Esophagus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Large, Cecum
Leukemia Mononuclear | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + |
| Intestine Large, Colon | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + |
| Intestine Large, Rectum | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + |
| Intestine Small, Duodenum
Leukemia Mononuclear | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + |
| Intestine Small, Ileum
Leukemia Mononuclear | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + |
| Intestine Small, Jejunum
Leukemia Mononuclear | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + |
| Liver
Fibrous Histiocytoma, Metastatic, Skin
Hepatocellular Adenoma
Leukemia Mononuclear | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | |
| Mesentery
Leukemia Mononuclear | + | + | + | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | |
| Oral Mucosa
Squamous Cell Carcinoma | | | | | | | | | | | | | | | | | | | | | | | | |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

Experiment Number: 10119 - 01
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Furan
 CAS Number: 110-00-9

Date Report Requested: 06/03/2014
 Time Report Requested: 08:42:42
 First Dose M/F: 09/07/09 / NA
 Lab: NCTR

| FISCHER 344 RATS-NCTR RATS
MALE
0.092 Furan104wk | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | ANIMAL ID | males
(cont...) |
|--|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----------|--------------------|
| | 0729 | 0656 | 0728 | 0728 | 0518 | 0533 | 0655 | 0637 | 0752 | 0748 | 0546 | 0728 | 0758 | 0728 | 0564 | 0573 | 0711 | 0559 | 0547 | 0554 | 0661 | 0647 | 0612 | 0664 | | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| | 4 | 4 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 3 | 3 | 3 | 3 | 3 | 3 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 9 | 9 | |
| | 9 | 9 | 0 | 1 | 6 | 7 | 7 | 8 | 9 | 9 | 6 | 6 | 7 | 8 | 8 | 9 | 3 | 3 | 4 | 4 | 5 | 6 | 6 | 7 | 8 | |
| | 1 | 2 | 1 | 2 | 2 | 1 | 2 | 2 | 1 | 2 | 1 | 2 | 1 | 1 | 2 | 2 | 1 | 2 | 1 | 2 | 2 | 1 | 2 | 1 | 1 | |

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|--------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Pancreas | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Leukemia Mononuclear | | | | | X | | | | | | | | | | | | | | | | | | X | | |
| Acinar Cell, Adenoma | | | | | | | | | | | | | | | | | | | | | X | | | | |
| Acinar Cell, Adenoma, Multiple | X | | | X | | | | | | | | | | | | | | | | | | | | | |
| Salivary Glands | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Adenoma | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sarcoma | | | | | | | | | | | | | | | | | | | | | | | | | |
| Schwannoma Malignant | | | | | | | | | | | | | | | | | | | | | | | | | |
| Stomach, Forestomach | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | | |
| Squamous Cell Papilloma | | | | | | | | | | | | | | | | | | | | | | | | | |
| Stomach, Glandular | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + |
| Tongue | | | | | | | | | | | | | | | | | | | | | | | | | |
| Squamous Cell Papilloma | | | | | | | | | | | | | | | | | | | | | | | | | |

CARDIOVASCULAR SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Blood Vessel | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Adventitia, Sarcoma | | | | | | | | | | | | | | | | | | | | | | | | | |
| Heart | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Hemangiosarcoma | | | | | | | | | | | | | | | | | | | | | | | | | |
| Leukemia Mononuclear | | | | | X | | | | | | | | | | X | | X | | | | | X | | | |
| Schwannoma Malignant | | | | | | | | | | | | | | | | | | | | | | | | | |

ENDOCRINE SYSTEM

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

Experiment Number: 10119 - 01
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Furan
 CAS Number: 110-00-9

Date Report Requested: 06/03/2014
 Time Report Requested: 08:42:42
 First Dose M/F: 09/07/09 / NA
 Lab: NCTR

| FISCHER 344 RATS-NCTR RATS MALE
0.092 Furan104wk | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | ANIMAL ID | males (cont...) |
|---|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----------|-----------------|
| | 0729 | 0656 | 0728 | 0728 | 0518 | 0533 | 0655 | 0637 | 0758 | 0429 | 0786 | 0528 | 0788 | 0578 | 0653 | 0564 | 0717 | 0559 | 0641 | 0671 | 0646 | 0612 | 0624 | 0645 | | |
| Adrenal Cortex | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 01491 | |
| Leukemia Mononuclear | | | | | X | | | | | | | | | | X | | | | | | | | | | 01491 | |
| Adrenal Medulla | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 01491 | |
| Leukemia Mononuclear | | | | | X | | | | | | | | | | | | | | | | | | | | 01491 | |
| Pheochromocytoma Benign | | | | | | | | | | | | | | | | | | | | | | | | X | 01491 | |
| Pheochromocytoma Complex | | | | | | | | | | | | | | | | | | | | | | | | | 01491 | |
| Pheochromocytoma Malignant | | | | | | | | | | | | X | | | | | | | | | | | | | 01491 | |
| Bilateral, Pheochromocytoma Benign | | | | X | | | | | | | | | | | | | | | | | X | | | | 01491 | |
| Bilateral, Pheochromocytoma Malignant | | | | | | | | | | | | | | | | | | | | | | | | | 01491 | |
| Islets, Pancreatic | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 01491 | |
| Adenoma | | | | | | | | | X | | | | | | | | | | | | X | | | | 01491 | |
| Carcinoma | | | | | | | | | | | | | | | | | | | | | | | | | 01491 | |
| Parathyroid Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 01491 | |
| Pituitary Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 01491 | |
| Leukemia Mononuclear | | | | | X | | | | | | | | | | | | | | | | | | | | 01491 | |
| Pars Distalis, Adenoma | X | X | X | X | | X | | X | | X | | | X | | | | X | X | | X | X | X | X | X | 01491 | |
| Pars Distalis, Carcinoma | | | | | | | | | | | | | | | | | | | | | | | | | 01491 | |
| Thyroid Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 01491 | |
| C-cell, Adenoma | | | | | | | | | | | | X | | | | | | | | | | | | | 01491 | |
| C-cell, Carcinoma | | | | | | | | | | | | | | | | | | | | | | | | | 01491 | |
| Follicular Cell, Carcinoma | | | | | | | | | | | | | | | | | | | | | | | | X | 01491 | |

GENERAL BODY SYSTEM

Tissue NOS

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

Experiment Number: 10119 - 01
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Furan
 CAS Number: 110-00-9

Date Report Requested: 06/03/2014
 Time Report Requested: 08:42:42
 First Dose M/F: 09/07/09 / NA
 Lab: NCTR

| | | DAY ON TEST | | | | | | | | | | | | | | | | | | | | males
(cont...) | | | | | | | |
|--|-------------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--------------------|---|---|---|---|---|---|---|
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 | | | | | |
| FISCHER 344 RATS-NCTR RATS MALE | | 7 | 6 | 7 | 7 | 5 | 5 | 6 | 3 | 7 | 5 | 4 | 7 | 5 | 7 | 5 | 6 | 5 | 7 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| | 0.092 Furan104wk | 2 | 5 | 2 | 2 | 1 | 6 | 5 | 3 | 2 | 4 | 8 | 2 | 7 | 2 | 7 | 5 | 6 | 4 | 1 | 6 | 4 | 7 | 4 | 1 | 2 | 4 | 4 | 5 |
| | ANIMAL ID | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| | | 4 | 4 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 3 | 3 | 3 | 3 | 3 | 3 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 9 | 9 | 9 | 9 |
| | | 9 | 9 | 0 | 1 | 6 | 7 | 7 | 8 | 9 | 9 | 6 | 7 | 8 | 8 | 9 | 3 | 3 | 4 | 4 | 5 | 6 | 6 | 7 | 7 | 8 | 8 | 8 | 8 |
| | | 1 | 2 | 1 | 2 | 2 | 1 | 2 | 2 | 1 | 2 | 1 | 2 | 1 | 1 | 2 | 2 | 1 | 2 | 1 | 2 | 2 | 1 | 2 | 1 | 1 | 1 | 1 | 1 |

Abdominal, Lipoma
 Abdominal, Paraganglioma Malignant

GENITAL SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Epididymis | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Mesothelioma Malignant | | | | | | | | | | | | | X | | | | | | | | | | | | | | | |
| Preputial Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Adenoma | | | | | | | | | | | | | | | | | | | X | | | | | | | | | |
| Carcinoma | | | | | | | | | | X | X | | X | | X | X | | | | | | X | | | | | | |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Squamous Cell Carcinoma | | | | X | | | X | | | | | | | | | | | X | | | | | | | | | | |
| Squamous Cell Papilloma | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Prostate | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Adenoma | | | | | | | | | | | | | | | | X | | | | | | | | | X | | | |
| Adenoma, Multiple | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | | | X | | |
| Seminal Vesicle | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Testes | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Mesothelioma Malignant | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bilateral, Interstitial Cell, Adenoma | | | | | | | | | | | X | | | X | | X | | | | | | | | | | X | | |
| Interstitial Cell, Adenoma | | | X | | | | X | | | | | | X | X | | X | | X | | | | X | X | | | | | |

HEMATOPOIETIC SYSTEM

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

Experiment Number: 10119 - 01
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Furan
 CAS Number: 110-00-9

Date Report Requested: 06/03/2014
 Time Report Requested: 08:42:42
 First Dose M/F: 09/07/09 / NA
 Lab: NCTR

| FISCHER 344 RATS-NCTR RATS
MALE
0.092 Furan104wk | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | ANIMAL ID | males
(cont...) | |
|--|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----------|--------------------|------|
| | 0729 | 0656 | 0728 | 0728 | 0518 | 0533 | 0655 | 0337 | 0728 | 0549 | 0486 | 0758 | 0528 | 0728 | 0578 | 0653 | 0564 | 0717 | 0559 | 0641 | 0671 | 0642 | 0614 | 0622 | | | 0624 |
| Bone Marrow | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Leukemia Mononuclear | | | | | X | | | | | | X | | | | | X | | | | | X | | X | | X | | |
| Lymph Node | + | | + | | | + | | | + | | | + | + | | | | | | | | | + | | | | | |
| Axillary, Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Cervical, Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Lumbar, Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mediastinal, Leukemia Mononuclear | | | | | | | | | | | | | | X | | | | | | | | | | | | | |
| Pancreatic, Leukemia Mononuclear | | | | | | | | | X | | | | | | | | | | | | | | | | | | |
| Renal, Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Lymph Node, Mandibular | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | X | | | | | X | | | X | | X | |
| Lymph Node, Mesenteric | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Leukemia Mononuclear | | | | | X | | | | | | | | | | | X | | | | X | | | X | | X | | |
| Spleen | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Leukemia Mononuclear | | X | | X | X | | | | X | | X | | X | | | X | | | X | X | | | X | | X | | |
| Thymus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | X | | | | | | | | X | | | |
| Adventitia, Sarcoma | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| INTEGUMENTARY SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mammary Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Adenocarcinoma | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Adenoma | | | | | | | | | X | | | | | | | | | | | | | | | | | | |
| Fibroadenoma | | | | | | X | | | | | | | | | | | | | | | | | | | | | |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

Experiment Number: 10119 - 01
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Furan
 CAS Number: 110-00-9

Date Report Requested: 06/03/2014
 Time Report Requested: 08:42:42
 First Dose M/F: 09/07/09 / NA
 Lab: NCTR

| FISCHER 344 RATS-NCTR RATS
MALE
0.092 Furan104wk | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | ANIMAL ID | males
(cont...) |
|--|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----------|--------------------|
| | 0729 | 0656 | 0728 | 0728 | 0518 | 0553 | 0667 | 0337 | 0752 | 0548 | 0728 | 0578 | 0752 | 0578 | 0653 | 0564 | 0716 | 0559 | 0671 | 0661 | 0641 | 0624 | 0624 | 0645 | | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 11491 | |

Fibroadenoma, Multiple
 Leukemia Mononuclear

| | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Skin | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Basal Cell Adenoma | | | | | | | | | | | | | | | | | | | | | | | | |
| Basal Cell Carcinoma | | | | | | | | | X | | | | | | | | | | | | | | | |
| Keratoacanthoma | | | | | | | | | | | | | | | | | | | | | | | | |
| Squamous Cell Papilloma | | | | | | | | | | | | | | X | | | | | | | | X | | |
| Subcutaneous Tissue, Fibroma | | | | | | | | | | | | | | | | | | | | | X | | | |
| Subcutaneous Tissue, Fibrous Histiocytoma | | | | | | | | | | | | | | | | | | | | | | | | |
| Subcutaneous Tissue, Lipoma | | | X | | | | | | | | | | | | | | | | | | | | | |

MUSCULOSKELETAL SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Bone, Femur | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Skeletal Muscle | | | | | | | | | | | | | | | | | | | | | | | | |

NERVOUS SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Brain, Brain Stem | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Carcinoma, Metastatic, Pituitary Gland | | | | | | | | | | | | | | | | | | | | | | | | |
| Leukemia Mononuclear | | | | | X | | | | | | | | | | | | | | | | | | | |
| Brain, Cerebellum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Leukemia Mononuclear | | | | | X | | | | | | | | | | | | | | | | | | | |
| Brain, Cerebrum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Leukemia Mononuclear | | | | | X | | | | | | | | | | | | | | | | | | | |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

Experiment Number: 10119 - 01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
Furan
CAS Number: 110-00-9

Date Report Requested: 06/03/2014
Time Report Requested: 08:42:42
First Dose M/F: 09/07/09 / NA
Lab: NCTR

| DAY ON TEST | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|--|---|----------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| FISCHER 344 RATS-NCTR RATS
MALE | 7 | 6 | 7 | 7 | 5 | 5 | 6 | 3 | 7 | 5 | 4 | 7 | 5 | 7 | 5 | 6 | 5 | 7 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | |
| | 2 | 5 | 2 | 2 | 1 | 6 | 5 | 3 | 2 | 4 | 8 | 2 | 7 | 2 | 7 | 5 | 6 | 1 | 6 | 4 | 7 | 4 | 1 | 2 | 4 | |
| | 9 | 6 | 8 | 8 | 8 | 3 | 5 | 7 | 8 | 9 | 6 | 8 | 8 | 8 | 8 | 3 | 4 | 7 | 1 | 9 | 1 | 6 | 6 | 2 | 4 | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 0.092 Furan104wk | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | |
| | 4 | 4 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 3 | 3 | 3 | 3 | 3 | 3 | 6 | 6 | 6 | 6 | 6 | 6 | 9 | 9 | | |
| | 9 | 9 | 0 | 1 | 6 | 7 | 7 | 8 | 9 | 9 | 6 | 7 | 8 | 8 | 9 | 3 | 3 | 4 | 4 | 5 | 6 | 6 | 7 | 8 | | |
| | 1 | 2 | 1 | 2 | 2 | 1 | 2 | 2 | 2 | 1 | 2 | 2 | 1 | 2 | 2 | 1 | 2 | 1 | 2 | 2 | 1 | 2 | 1 | 1 | | |
| | | males
(cont...) | | | | | | | | | | | | | | | | | | | | | | | | |

Peripheral Nerve

Spinal Cord, Cervical
Leukemia Mononuclear

Spinal Cord, Lumbar
Leukemia Mononuclear

Spinal Cord, Thoracic
Leukemia Mononuclear

RESPIRATORY SYSTEM

Lung
Leukemia Mononuclear

Nose

Trachea

SPECIAL SENSES SYSTEM

Eye
Leukemia Mononuclear

Harderian Gland
Leukemia Mononuclear

Zymbal's Gland
Carcinoma

* .. Total animals with tissue examined microscopically; Total animals with tumor
+ .. Tissue examined microscopically
X .. Lesion present
I .. Insufficient tissue

M .. Missing tissue
A .. Autolysis precludes evaluation
BLANK .. Not examined microscopically

Experiment Number: 10119 - 01
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 First Dose M/F: 09/07/09 / NA
 Lab: NCTR

| | | DAY ON TEST | | | | | | | | | | | | | | | | | | | | males
(cont...) | | |
|--|-----------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--------------------|---|---|
| FISCHER 344 RATS-NCTR RATS
MALE
0.092 Furan104wk | ANIMAL ID | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 |
| | | 7 | 6 | 7 | 7 | 5 | 5 | 6 | 3 | 7 | 5 | 4 | 7 | 5 | 7 | 5 | 6 | 5 | 7 | 5 | 5 | | 6 | 6 |
| | | 2 | 5 | 2 | 2 | 1 | 6 | 5 | 3 | 2 | 4 | 8 | 2 | 7 | 2 | 7 | 5 | 6 | 1 | 6 | 4 | 7 | 4 | |
| | | 9 | 6 | 8 | 8 | 8 | 3 | 5 | 7 | 8 | 9 | 6 | 8 | 8 | 8 | 3 | 4 | 7 | 1 | 9 | 1 | 6 | 2 | |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | |
| | | 4 | 4 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 3 | 3 | 3 | 3 | 3 | 3 | 6 | 6 | 6 | 6 | 6 | 6 | 9 | |
| | | 9 | 9 | 0 | 1 | 6 | 7 | 7 | 8 | 9 | 9 | 6 | 7 | 8 | 9 | 3 | 3 | 4 | 4 | 5 | 6 | 6 | 7 | |
| | | 1 | 2 | 1 | 2 | 2 | 1 | 2 | 2 | 1 | 2 | 2 | 1 | 1 | 2 | 2 | 1 | 2 | 1 | 2 | 2 | 1 | 1 | |

Squamous Cell Carcinoma

URINARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Kidney | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Leukemia Mononuclear | | | | | X | | | | | | | | | | | X | | | | | | X | |
| Transitional Epithelial Carcinoma | | | | | | | | | | | | | | | | | | | | | | | |
| Urethra | | | | | | | | | | | | | | | | | | | | | | | |
| Urinary Bladder | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | |

SYSTEMIC LESIONS

| | | | | | | | | | | | | | | | | | | | | | | | |
|------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Multiple Organ | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Leukemia Mononuclear | | X | | X | X | | | | X | | X | | | | | X | | | X | X | | | X |
| Mesothelioma Malignant | | | | | | | | | | | | X | | | | | | | | | | | X |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

Experiment Number: 10119 - 01
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/F 344/NCTR

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 Furan
 CAS Number: 110-00-9

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

| | | DAY ON TEST | | | | | | | | | | | | | | | | | | | | males
(cont...) | |
|------------------------------------|--|-------------|-----|------|-------|-------|------|------|------|------|------|-------|-------|------|------|------|------|------|------|-------|------|--------------------|------|
| FISCHER 344 RATS-NCTR RATS
MALE | | 078 | 078 | 0647 | 06009 | 06611 | 0728 | 0728 | 0728 | 0500 | 0729 | 06063 | 00593 | 0778 | 0779 | 0647 | 0768 | 0628 | 0678 | 06635 | 0728 | | 0728 |
| 0.092 Furan104wk | | 028 | 029 | 030 | 030 | 031 | 031 | 031 | 031 | 031 | 031 | 031 | 031 | 031 | 031 | 031 | 031 | 031 | 031 | 031 | 031 | | 031 |
| ANIMAL ID | | 028 | 029 | 030 | 030 | 031 | 031 | 031 | 031 | 031 | 031 | 031 | 031 | 031 | 031 | 031 | 031 | 031 | 031 | 031 | 031 | 031 | 031 |

ALIMENTARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Esophagus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Large, Cecum
Leukemia Mononuclear | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Large, Colon | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Large, Rectum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Small, Duodenum
Leukemia Mononuclear | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Small, Ileum
Leukemia Mononuclear | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Small, Jejunum
Leukemia Mononuclear | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Liver
Fibrous Histiocytoma, Metastatic, Skin
Hepatocellular Adenoma
Leukemia Mononuclear | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| | | X | X | X | X | | X | X | | X | X | X | | | | | | | X | X | | | X |
| Mesentery
Leukemia Mononuclear | | + | + | | | | | | + | | | | | | + | | | | | + | + | | + |
| Oral Mucosa
Squamous Cell Carcinoma | | | | | | | | | | | | | | | | | | | | | | | |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
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Experiment Number: 10119 - 01
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/F 344/NCTR

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 Furan
 CAS Number: 110-00-9

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

| FISCHER 344 RATS-NCTR RATS
MALE
0.092 Furan104wk | DAY ON TEST | | ANIMAL ID | | | | | | | | | | | | | | | | | | | | males
(cont...) | | |
|--|-------------|------|-----------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|--------------------|------|------|
| | 0728 | 0728 | 0667 | 0667 | 0769 | 0769 | 0769 | 0769 | 0769 | 0578 | 0769 | 0606 | 0606 | 0593 | 0772 | 0772 | 0772 | 0664 | 0767 | 0668 | 0668 | 0667 | | 0665 | 0675 |
| Pancreas | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | | X |
| Acinar Cell, Adenoma | X | | | | | | | X | | X | | | X | X | X | X | | | X | | | | | | |
| Acinar Cell, Adenoma, Multiple | | X | | | | | | | | | | | | | | | | | | | | | X | | |
| Salivary Glands | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Adenoma | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sarcoma | X | | | | | | | | | | | | | | | | | | | | | | | | |
| Schwannoma Malignant | | | | | | | | | | | | | | | | | | | | X | | | | | |
| Stomach, Forestomach | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | | |
| Squamous Cell Papilloma | | | | | | | | X | | | | | | | | | | | | | | | | | |
| Stomach, Glandular | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Tongue | + | | + | | | | | | | | | | | | | | | | | | | | | | |
| Squamous Cell Papilloma | X | | | | | | | | | | | | | | | | | | | | | | | | |

CARDIOVASCULAR SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Blood Vessel | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Adventitia, Sarcoma | X | | | | | | | | | | | | | | | | | | | | | | | | |
| Heart | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Hemangiosarcoma | | | | | | | | | | | | | | | | | | | | | | | | | |
| Leukemia Mononuclear | | | X | | X | | | | | | X | | X | | | | | | | | | | | | |
| Schwannoma Malignant | | | | | | | | | | | | | | | | | | | | | | | | | |

ENDOCRINE SYSTEM

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
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Experiment Number: 10119 - 01
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 CAS Number: 110-00-9

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 Lab: NCTR

| FISCHER 344 RATS-NCTR RATS
MALE
0.092 Furan104wk | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | ANIMAL ID | males
(cont...) |
|--|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----------|--------------------|
| | 0728 | 0728 | 0667 | 0667 | 0677 | 0677 | 0677 | 0677 | 0575 | 0775 | 0660 | 0575 | 0775 | 0775 | 0775 | 0667 | 0775 | 0667 | 0667 | 0667 | 0667 | 0667 | 0667 | 0667 | | |
| Adrenal Cortex
Leukemia Mononuclear | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Adrenal Medulla
Leukemia Mononuclear | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Pheochromocytoma Benign | | | X | | | | | X | | X | | | | | | | | X | | | X | | | X | | |
| Pheochromocytoma Complex | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Pheochromocytoma Malignant | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bilateral, Pheochromocytoma Benign | | | | | | | | | | | | | | | | | X | | | | X | | | | | |
| Bilateral, Pheochromocytoma Malignant | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Islets, Pancreatic
Adenoma | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Carcinoma | X | | | | | | | | | | | | | | | | X | | X | X | | | | | | |
| Parathyroid Gland | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Pituitary Gland
Leukemia Mononuclear | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Pars Distalis, Adenoma | X | X | | X | X | X | | X | | X | X | | | | | X | X | X | X | X | X | X | X | X | X | |
| Pars Distalis, Carcinoma | | | | | | | | | | | | | X | | | | | | | | | | | | | |
| Thyroid Gland
C-cell, Adenoma | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| C-cell, Carcinoma | | | | | | X | | | | | X | | | | | X | | | | X | X | X | | | | |
| Follicular Cell, Carcinoma | | | | | | | | | | | | | | | | | | | | | | | | | | |

GENERAL BODY SYSTEM

Tissue NOS

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

Experiment Number: 10119 - 01
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Furan
 CAS Number: 110-00-9

Date Report Requested: 06/03/2014
 Time Report Requested: 08:42:42
 First Dose M/F: 09/07/09 / NA
 Lab: NCTR

| | | DAY ON TEST | | | | | | | | | | | | | | | | | | | | males
(cont...) | |
|------------------------------------|--|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--------------------|---|
| FISCHER 344 RATS-NCTR RATS
MALE | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | 0 |
| 0.092 Furan104wk | | 7 | 7 | 6 | 6 | 7 | 6 | 7 | 7 | 7 | 5 | 7 | 6 | 0 | 5 | 7 | 7 | 7 | 6 | 7 | 6 | | 7 |
| ANIMAL ID | | 2 | 2 | 4 | 0 | 0 | 6 | 2 | 2 | 2 | 5 | 2 | 0 | 6 | 9 | 0 | 2 | 2 | 4 | 2 | 8 | 2 | |
| | | 8 | 8 | 7 | 5 | 9 | 1 | 8 | 8 | 8 | 0 | 9 | 3 | 6 | 3 | 9 | 8 | 9 | 7 | 4 | 8 | 4 | |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | |
| | | 9 | 9 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 3 | 3 | |
| | | 8 | 9 | 0 | 0 | 1 | 2 | 2 | 3 | 3 | 4 | 4 | 5 | 5 | 6 | 7 | 7 | 8 | 8 | 9 | 9 | 9 | |
| | | 2 | 1 | 1 | 2 | 1 | 2 | 2 | 1 | 2 | 1 | 2 | 2 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 1 | |

Abdominal, Lipoma
 Abdominal, Paraganglioma Malignant

GENITAL SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | |
|---------------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Epididymis | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Mesothelioma Malignant | | | | | | | | | | | | | | | | | | | | | | |
| Preputial Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Adenoma | | X | | | | | | | | | | | | | | | | X | | | | |
| Carcinoma | | | | X | | X | | | | | | | | | | | X | X | | | X | |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | |
| Squamous Cell Carcinoma | | | | | | | | | | | | | | | | | | | | | | |
| Squamous Cell Papilloma | | | | | | | | | | | | | | | | | | | | | | |
| Prostate | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Adenoma | | | | | | | | | | | | | | | | X | | | | | | |
| Adenoma, Multiple | | | | | | | | | | | | | | | | | | | | | | |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | |
| Seminal Vesicle | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | |
| Testes | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Mesothelioma Malignant | | | | | | | | | | | | | | | | | | | | | | |
| Bilateral, Interstitial Cell, Adenoma | | | X | | | X | | X | | | | | | | | | | | | | | X |
| Interstitial Cell, Adenoma | X | X | | | | | | | | | X | | | X | | | X | | X | | X | |

HEMATOPOIETIC SYSTEM

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

Experiment Number: 10119 - 01
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Furan
 CAS Number: 110-00-9

Date Report Requested: 06/03/2014
 Time Report Requested: 08:42:42
 First Dose M/F: 09/07/09 / NA
 Lab: NCTR

| FISCHER 344 RATS-NCTR RATS
MALE
0.092 Furan104wk | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | ANIMAL ID | males
(cont...) | |
|--|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----------|--------------------|------|
| | 0728 | 0728 | 0667 | 0667 | 0677 | 0667 | 0677 | 0677 | 0677 | 0575 | 0677 | 0660 | 0569 | 0677 | 0677 | 0677 | 0666 | 0672 | 0668 | 0672 | 0664 | 0663 | 0663 | 0667 | | | 0677 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0298 | |
| | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 2981 | |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|---|
| Bone Marrow | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | |
| Leukemia Mononuclear | | X | X | | X | | | | | | | | X | | | | | | | | | | | | | | |
| Lymph Node | + | + | + | | + | | | | | | | | | + | + | + | | + | | | + | | | | | | |
| Axillary, Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Cervical, Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | | | | X |
| Lumbar, Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | | | | X |
| Mediastinal, Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Pancreatic, Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | | | | X |
| Renal, Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | | | | X |
| Lymph Node, Mandibular | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | |
| Leukemia Mononuclear | | | X | | X | | | | | | | X | | | | | | | | | | | X | | | | X |
| Lymph Node, Mesenteric | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | |
| Leukemia Mononuclear | | | X | | X | | | | | | | X | | | | | | | | | | | X | | | | X |
| Spleen | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | |
| Leukemia Mononuclear | | X | X | X | X | | X | | X | | X | | X | X | | | | | | | | X | X | | | | X |
| Thymus | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Adventitia, Sarcoma | X | | | | | | | | | | | | | | | | | | | | | | | | | | |

INTEGUMENTARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|---|
| Mammary Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | |
| Adenocarcinoma | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Adenoma | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Fibroadenoma | | | | | | | | | | | | | | | | | | | | | | | | | | | X |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

Experiment Number: 10119 - 01
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Furan
 CAS Number: 110-00-9

Date Report Requested: 06/03/2014
 Time Report Requested: 08:42:42
 First Dose M/F: 09/07/09 / NA
 Lab: NCTR

| | | DAY ON TEST | | | | | | | | | | | | | | | | | | | | males
(cont...) | |
|---|--|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|--------------------|------|
| FISCHER 344 RATS-NCTR RATS MALE | | 0728 | 0728 | 0647 | 0660 | 0761 | 0772 | 0772 | 0772 | 0575 | 0776 | 0060 | 0579 | 0772 | 0772 | 0674 | 0772 | 0668 | 0772 | 0666 | 0677 | | 0772 |
| 0.092 Furan104wk | | 028 | 028 | 037 | 035 | 039 | 033 | 033 | 033 | 033 | 033 | 033 | 033 | 033 | 033 | 033 | 033 | 033 | 033 | 033 | 033 | | 033 |
| ANIMAL ID | | 028 | 029 | 030 | 031 | 032 | 033 | 034 | 035 | 036 | 037 | 038 | 039 | 040 | 041 | 042 | 043 | 044 | 045 | 046 | 047 | 048 | |
| Fibroadenoma, Multiple | | | | | | | | | | | | | | | | | | | | | | | |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | |
| Skin | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Basal Cell Adenoma | | | | | | | | | | | | | | | | | | | | | | | |
| Basal Cell Carcinoma | | | | | | | | | | | | | | | | | | | | | | | |
| Keratoacanthoma | | | | | | | | | | | | | | | | | | | | | | | |
| Squamous Cell Papilloma | | | | | | | | | | | | | | | | | | | | | | | |
| Subcutaneous Tissue, Fibroma | | | | | | | | | | | | | | | | | | | | | | | |
| Subcutaneous Tissue, Fibrous Histiocytoma | | | | | | | | | | | | | | | | | | | | | | | |
| Subcutaneous Tissue, Lipoma | | | | | | | | | | | | | | | | | | | | | | | |

MUSCULOSKELETAL SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | |
|-----------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Bone, Femur | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Skeletal Muscle | | | | | | | | | | | | | | | | | | | | | | |

NERVOUS SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Brain, Brain Stem | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Carcinoma, Metastatic, Pituitary Gland | | | | | | | | | | | | | | | | | | | | | | |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | |
| Brain, Cerebellum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | |
| Brain, Cerebrum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

Experiment Number: 10119 - 01
 Test Type: CHRONIC
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P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Furan
 CAS Number: 110-00-9

Date Report Requested: 06/03/2014
 Time Report Requested: 08:42:42
 First Dose M/F: 09/07/09 / NA
 Lab: NCTR

| | | DAY ON TEST | | | | | | | | | | | | | | | | | | | | males
(cont...) | | |
|--|-------------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--------------------|---|---|
| FISCHER 344 RATS-NCTR RATS
MALE | 0.092 Furan104wk | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 |
| | | 7 | 7 | 6 | 6 | 7 | 6 | 7 | 7 | 7 | 5 | 7 | 6 | 0 | 5 | 7 | 7 | 7 | 6 | 7 | 6 | | 6 | 7 |
| | | 2 | 2 | 4 | 0 | 0 | 6 | 2 | 2 | 2 | 5 | 2 | 0 | 6 | 9 | 0 | 2 | 2 | 4 | 2 | 8 | 2 | 4 | 3 |
| | | 8 | 8 | 7 | 5 | 9 | 1 | 8 | 8 | 0 | 9 | 3 | 6 | 3 | 9 | 8 | 9 | 7 | 4 | 9 | 4 | 5 | 8 | 8 |
| | ANIMAL ID | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| | | 9 | 9 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 9 |
| | | 8 | 9 | 0 | 0 | 1 | 2 | 2 | 3 | 3 | 4 | 4 | 5 | 5 | 6 | 7 | 7 | 8 | 8 | 9 | 0 | 1 | 1 | 8 |
| | | 2 | 1 | 1 | 2 | 1 | 1 | 2 | 1 | 2 | 1 | 2 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 |

Peripheral Nerve

Spinal Cord, Cervical
 Leukemia Mononuclear

Spinal Cord, Lumbar
 Leukemia Mononuclear

Spinal Cord, Thoracic
 Leukemia Mononuclear

RESPIRATORY SYSTEM

Lung
 Leukemia Mononuclear

Nose

Trachea

SPECIAL SENSES SYSTEM

Eye
 Leukemia Mononuclear

Harderian Gland
 Leukemia Mononuclear

Zymbal's Gland
 Carcinoma

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

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 Lab: NCTR

| | | DAY ON TEST | | | | | | | | | | | | | | | | | | | | males
(cont...) | | |
|--|-------------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--------------------|---|---|
| FISCHER 344 RATS-NCTR RATS
MALE | 0.092 Furan104wk | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 |
| | | 7 | 7 | 6 | 6 | 7 | 6 | 7 | 7 | 7 | 5 | 7 | 6 | 0 | 5 | 7 | 7 | 7 | 6 | 7 | 6 | | 7 | 6 |
| | | 2 | 2 | 4 | 0 | 0 | 6 | 2 | 2 | 2 | 5 | 2 | 0 | 6 | 9 | 0 | 2 | 2 | 4 | 2 | 8 | 2 | 4 | 5 |
| | | ANIMAL ID | | | | | | | | | | | | | | | | | | | | | | |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| | | 9 | 9 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 9 |
| | | 8 | 9 | 0 | 0 | 1 | 2 | 2 | 3 | 3 | 4 | 4 | 5 | 5 | 6 | 7 | 8 | 8 | 9 | 9 | 0 | 1 | 1 | 8 |
| | | 2 | 1 | 1 | 2 | 1 | 2 | 2 | 1 | 2 | 1 | 2 | 2 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 9 |

Squamous Cell Carcinoma

URINARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Kidney | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Leukemia Mononuclear | | | | | | | | | | | | X | | | | | | | | | | | |
| Transitional Epithelial Carcinoma | | | | | | | | | | | | | | | | | | | | | | | |
| Urethra | | | | | | | | | | | | | | | | | | | | | | | |
| Urinary Bladder | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | |

SYSTEMIC LESIONS

| | | | | | | | | | | | | | | | | | | | | | | | |
|------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Multiple Organ | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Leukemia Mononuclear | | X | X | X | X | | X | | X | | X | | X | X | | | | | X | X | | | X |
| Mesothelioma Malignant | | | | | | | | | | | | | | | | | | | | | | | |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
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 Furan
 CAS Number: 110-00-9

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

| DAY ON TEST | FISCHER 344 RATS-NCTR RATS MALE | | | | | | | | | | | | | | | | | | | | * TOTALS | | |
|-------------|---------------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------|------|------|
| | 0379 | 0565 | 0719 | 0728 | 0729 | 0729 | 0016 | 0642 | 0459 | 0572 | 0672 | 0758 | 0662 | 0477 | 0661 | 0665 | 0667 | 0669 | 0662 | 0660 | | 0661 | 0728 |
| ANIMAL ID | 0392 | 0402 | 0403 | 0402 | 0402 | 0402 | 0402 | 0402 | 0402 | 0402 | 0402 | 0402 | 0402 | 0402 | 0402 | 0402 | 0402 | 0402 | 0402 | 0402 | 0402 | 0402 | 0402 |

ALIMENTARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------------|
| Esophagus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 100 |
| Intestine Large, Cecum
Leukemia Mononuclear | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | 93
1 |
| Intestine Large, Colon | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | 95 |
| Intestine Large, Rectum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | 95 |
| Intestine Small, Duodenum
Leukemia Mononuclear | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | 95
1 |
| Intestine Small, Ileum
Leukemia Mononuclear | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | 92
1 |
| Intestine Small, Jejunum
Leukemia Mononuclear | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | 93
2 |
| Liver | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 100 |
| Fibrous Histiocytoma, Metastatic, Skin | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Hepatocellular Adenoma | | | | | | | | | | | | | | | | | | X | | | | | | 2 |
| Leukemia Mononuclear | | | X | X | X | X | | X | | X | | | | X | X | | | X | | X | | X | | 44 |
| Mesentery | | | | + | | | | | | | | | | + | | | | | | | | | | 25 |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | + | | 1 |
| Oral Mucosa | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Squamous Cell Carcinoma | | | | | | | | | | | | | | | | | | | | | | | | 1 |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

Experiment Number: 10119 - 01
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Furan
 CAS Number: 110-00-9

Date Report Requested: 06/03/2014
 Time Report Requested: 08:42:42
 First Dose M/F: 09/07/09 / NA
 Lab: NCTR

| FISCHER 344 RATS-NCTR RATS
MALE
0.092 Furan104wk | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | * TOTALS | |
|--|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------|--|
| | 0379 | 0565 | 0719 | 0728 | 0729 | 0729 | 0006 | 0642 | 0549 | 0722 | 0672 | 0592 | 0667 | 0669 | 0471 | 0665 | 0665 | 0667 | 0667 | 0669 | 0669 | 0669 | 0669 | 0669 | | |
| ANIMAL ID | 03992 | 04002 | 04001 | 04034 | 04041 | 04042 | 04045 | 04061 | 04062 | 04055 | 04055 | 04055 | 04055 | 04055 | 04066 | 04068 | 04088 | 04088 | 04099 | 04000 | 04001 | 04044 | 04045 | 04055 | | |
| Pancreas | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 100 | | |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | X | | | X | 6 | | |
| Acinar Cell, Adenoma | | | | | X | X | | | | X | X | | | | | | | | X | | | X | X | 22 | | |
| Acinar Cell, Adenoma, Multiple | | | | X | | | | | | | | | | | X | | | | | | | X | | 11 | | |
| Salivary Glands | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 100 | | |
| Adenoma | | | | | | | | | | | X | | | | | | | | | | | | | 1 | | |
| Sarcoma | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| Schwannoma Malignant | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| Stomach, Forestomach | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 100 | | |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| Squamous Cell Papilloma | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| Stomach, Glandular | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | 97 | | |
| Tongue | | | | | | | | | | | | | | | | | | | | | | | | 2 | | |
| Squamous Cell Papilloma | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| CARDIOVASCULAR SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Blood Vessel | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 100 | | |
| Adventitia, Sarcoma | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| Heart | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 100 | | |
| Hemangiosarcoma | | | | X | | | | | | | | | | | | | | | | | | | | 1 | | |
| Leukemia Mononuclear | | | | | X | | | | | | | | | X | | | | | X | | | X | X | 19 | | |
| Schwannoma Malignant | | | | | | | | | | | | | | | | | | | | X | | | X | 2 | | |
| ENDOCRINE SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

Experiment Number: 10119 - 01
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Furan
 CAS Number: 110-00-9

Date Report Requested: 06/03/2014
 Time Report Requested: 08:42:42
 First Dose M/F: 09/07/09 / NA
 Lab: NCTR

| FISCHER 344 RATS-NCTR RATS
MALE
0.092 Furan104wk | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | * TOTALS |
|--|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------|
| | 0379 | 0565 | 0719 | 0728 | 0729 | 0709 | 0606 | 0442 | 0542 | 0708 | 0608 | 0507 | 0606 | 0609 | 0407 | 0606 | 0606 | 0605 | 0607 | 0609 | 0602 | 0606 | 0701 | 0708 | |
| ANIMAL ID | 03992 | 04001 | 04013 | 04024 | 04041 | 04052 | 04066 | 04082 | 04095 | 04112 | 04122 | 04141 | 04154 | 04177 | 04188 | 04201 | 04212 | 04227 | 04241 | 04257 | 04274 | 04281 | 04295 | 04312 | |
| Adrenal Cortex | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | X | | |
| Adrenal Medulla | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | X | | |
| Pheochromocytoma Benign | | X | | | X | | | | | X | | | | | | | | | | | | X | | | |
| Pheochromocytoma Complex | | | | | | | | | | | | | | | | | | | | | | | | | |
| Pheochromocytoma Malignant | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bilateral, Pheochromocytoma Benign | | | | | | | X | | | | | | | | | | | | | | | | | | |
| Bilateral, Pheochromocytoma Malignant | | | | | | | | | | | | | | | | | | | | | | | | | |
| Islets, Pancreatic | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Adenoma | | | X | | | | | | | | | | | | | | | | | | | | X | | |
| Carcinoma | | | | | | | | | | | | | | | | | | | | | | | | | |
| Parathyroid Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | |
| Pituitary Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Leukemia Mononuclear | | | | | | X | | | | | | | | | | | | | | | | X | | | |
| Pars Distalis, Adenoma | | | X | | X | | | X | X | X | X | X | X | | X | | X | X | X | X | X | | X | | |
| Pars Distalis, Carcinoma | | | | | | | | | | | | | | | | | | | | | | | | | |
| Thyroid Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| C-cell, Adenoma | | | | | | X | | | | | X | | | | | | | | | | | | | X | |
| C-cell, Carcinoma | | | | | | | | | | | | | | | | | | | | | | | | | |
| Follicular Cell, Carcinoma | | | | | | | | | | | | | | | | | | | | | | X | | | |

GENERAL BODY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|---|---|
| Tissue NOS | | | | | | | | | | | | | | | | | | | | | | | | | + | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | 2 |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

Experiment Number: 10119 - 01
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Furan
 CAS Number: 110-00-9

Date Report Requested: 06/03/2014
 Time Report Requested: 08:42:42
 First Dose M/F: 09/07/09 / NA
 Lab: NCTR

| DAY ON TEST | FISCHER 344 RATS-NCTR RATS MALE | | | | | | | | | | | | | | | | | | | | | | | | | * TOTALS | | |
|---------------------------------------|---------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------|---|-----|
| | 0379 | 0565 | 0719 | 0728 | 0729 | 0729 | 0016 | 0642 | 0549 | 0722 | 0722 | 0728 | 0567 | 0662 | 0669 | 0477 | 0661 | 0665 | 0667 | 0669 | 0662 | 0660 | 0666 | 0671 | 0678 | | | |
| ANIMAL ID | 0.092 Furan104wk | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 03992 | 04002 | 04011 | 04022 | 04034 | 04042 | 04056 | 04066 | 04075 | 04085 | 04095 | 04105 | 04115 | 04125 | 04135 | 04146 | 04156 | 04166 | 04177 | 04187 | 04197 | 04207 | 04217 | 04227 | 04237 | | | |
| Abdominal, Lipoma | | | | | | | | | | | | | | | | | | | | | | | | | | | X | 1 |
| Abdominal, Paraganglioma Malignant | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| GENITAL SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Epididymis | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | 100 |
| Mesothelioma Malignant | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 |
| Preputial Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | 100 |
| Adenoma | | | | | | | | | | | | | | | | | | | | | | | | | | | X | 8 |
| Carcinoma | | | | | | | | | | | | | | | | | | | | | | | | | | | X | 16 |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Squamous Cell Carcinoma | | | | | | | | | | | | | | | | | | | | | | | | | | | | 4 |
| Squamous Cell Papilloma | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Prostate | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | 100 |
| Adenoma | | | | | | | | | | | | | | | | | | | | | | | | | | | | 3 |
| Adenoma, Multiple | | | | | | | | | | | | | | | | | | | | | | | | | | X | 1 | |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 |
| Seminal Vesicle | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | 98 |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Testes | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | 100 |
| Mesothelioma Malignant | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Bilateral, Interstitial Cell, Adenoma | | | | | | | | | | | | | | | | | | | | | | | | | | | | 24 |
| Interstitial Cell, Adenoma | X | X | | | X | X | | | X | | | | X | X | | X | | | | | | | X | | X | X | | 30 |

HEMATOPOIETIC SYSTEM

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

Experiment Number: 10119 - 01
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Furan
 CAS Number: 110-00-9

Date Report Requested: 06/03/2014
 Time Report Requested: 08:42:42
 First Dose M/F: 09/07/09 / NA
 Lab: NCTR

| FISCHER 344 RATS-NCTR RATS
MALE
0.092 Furan104wk | DAY ON TEST | | | | | | | | | | | | | | | | | | | | * TOTALS | |
|--|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------|-------|
| | 0379 | 0565 | 0719 | 0728 | 0729 | 0729 | 0706 | 0642 | 0549 | 0722 | 0672 | 0579 | 0668 | 0477 | 0661 | 0665 | 0667 | 0669 | 0667 | 0662 | | 0661 |
| ANIMAL ID | 03992 | 04002 | 04001 | 04034 | 04041 | 04042 | 04044 | 04044 | 04044 | 04044 | 04044 | 04044 | 04044 | 04044 | 04044 | 04044 | 04044 | 04044 | 04044 | 04044 | 04044 | 04044 |
| Bone Marrow | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Leukemia Mononuclear | | | X | | X | X | | | | | | | | X | X | | | | X | | | |
| Lymph Node | | + | + | | + | + | | | + | | | | | + | + | | | | + | + | + | + |
| Axillary, Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | |
| Cervical, Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | |
| Lumbar, Leukemia Mononuclear | | | | | | | | | | | | | | | X | | | | | | | |
| Mediastinal, Leukemia Mononuclear | | | | | | | X | | | | | | | | | | | X | | | | |
| Pancreatic, Leukemia Mononuclear | | | | | | | | | | | | | | X | | | | X | | | X | |
| Renal, Leukemia Mononuclear | | | | | | | | | | | | | | | | | | X | | | | |
| Lymph Node, Mandibular | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Leukemia Mononuclear | | | | | | X | | | | | | | | X | | | | X | | | | X |
| Lymph Node, Mesenteric | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | M | + |
| Leukemia Mononuclear | | | | | | X | | | | | | | | X | | | | X | | | | X |
| Spleen | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Leukemia Mononuclear | | | X | X | X | X | | X | | X | | | X | X | | | | X | | | X | X |
| Thymus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | |
| Adventitia, Sarcoma | | | | | | | | | | | | | | | | | | | | | | |
| INTEGUMENTARY SYSTEM | | | | | | | | | | | | | | | | | | | | | | |
| Mammary Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Adenocarcinoma | | | | | | | | | | | | | | | | | | | X | | | |
| Adenoma | | | | | | | | | | | | | | | | | | | | | | |
| Fibroadenoma | | | | | | | | | | | | | | | | | | | | | | |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

Experiment Number: 10119 - 01
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Furan
 CAS Number: 110-00-9

Date Report Requested: 06/03/2014
 Time Report Requested: 08:42:42
 First Dose M/F: 09/07/09 / NA
 Lab: NCTR

| DAY ON TEST | FISCHER 344 RATS-NCTR RATS MALE | | | | | | | | | | | | | | | | | | | | ANIMAL ID | * TOTALS | | | |
|-------------|---------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|----------|---|------|---|
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | 0 | 0 | 0 |
| 3 | 5 | 7 | 7 | 7 | 7 | 0 | 6 | 4 | 5 | 7 | 6 | 7 | 5 | 6 | 6 | 4 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 0379 | |
| 7 | 6 | 1 | 2 | 2 | 2 | 1 | 1 | 4 | 9 | 2 | 2 | 2 | 9 | 5 | 8 | 7 | 1 | 1 | 5 | 7 | 9 | 2 | 6 | 9598 | |
| 9 | 5 | 9 | 8 | 9 | 9 | 6 | 2 | 2 | 1 | 8 | 0 | 8 | 7 | 2 | 9 | 7 | 2 | 9 | 6 | 5 | 7 | 0 | 8 | 2212 | |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0392 | |
| 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 9901 | |
| 9 | 0 | 0 | 2 | 2 | 2 | 2 | 2 | 2 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 2213 | |
| 0 | 1 | 3 | 4 | 4 | 5 | 6 | 6 | 6 | 5 | 5 | 6 | 7 | 7 | 8 | 8 | 8 | 9 | 0 | 0 | 1 | 4 | 4 | 5 | 2214 | |
| 2 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 2 | 1 | 2 | 2 | 1 | 2 | 1 | 1 | 2 | 2 | 1 | 2 | 2 | 1 | 2 | 1 | 2215 | |

Fibroadenoma, Multiple 1
 Leukemia Mononuclear 1

Skin + 99
 Basal Cell Adenoma 1
 Basal Cell Carcinoma 1
 Keratoacanthoma X 1
 Squamous Cell Papilloma 3
 Subcutaneous Tissue, Fibroma X 4
 Subcutaneous Tissue, Fibrous Histiocytoma 1
 Subcutaneous Tissue, Lipoma X 3

MUSCULOSKELETAL SYSTEM

Bone, Femur + 100
 Skeletal Muscle 1

NERVOUS SYSTEM

Brain, Brain Stem + 100
 Carcinoma, Metastatic, Pituitary Gland 1
 Leukemia Mononuclear 2
 Brain, Cerebellum + 100
 Leukemia Mononuclear 3
 Brain, Cerebrum + 100
 Leukemia Mononuclear 4

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

Experiment Number: 10119 - 01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
Furan
CAS Number: 110-00-9

Date Report Requested: 06/03/2014
Time Report Requested: 08:42:42
First Dose M/F: 09/07/09 / NA
Lab: NCTR

| FISCHER 344 RATS-NCTR RATS
MALE
0.092 Furan104wk | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | * TOTALS | |
|--|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|---|
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | 0 |
| | 3 | 5 | 7 | 7 | 7 | 7 | 0 | 6 | 4 | 5 | 7 | 6 | 7 | 5 | 6 | 6 | 4 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | | 7 |
| ANIMAL ID | 9 | 5 | 9 | 8 | 9 | 6 | 2 | 2 | 1 | 1 | 2 | 8 | 0 | 8 | 7 | 2 | 9 | 5 | 8 | 7 | 1 | 1 | 5 | 7 | 9 | |
| | 2 | 2 | 1 | 3 | 4 | 1 | 2 | 2 | 1 | 2 | 2 | 1 | 2 | 2 | 1 | 2 | 2 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | |
| Peripheral Nerve | | | | | | | | | | | | | | | | | | | | | | | | | 1 | |
| Spinal Cord, Cervical
Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | | 1
1 | |
| Spinal Cord, Lumbar
Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | | 1
1 | |
| Spinal Cord, Thoracic
Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | | 1
1 | |
| RESPIRATORY SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Lung
Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | | 100
25 | |
| Nose | | | | | | | | | | | | | | | | | | | | | | | | | 97 | |
| Trachea | | | | | | | | | | | | | | | | | | | | | | | | | 100 | |
| SPECIAL SENSES SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Eye
Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | | 96
1 | |
| Harderian Gland
Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | | 100
2 | |
| Zymbal's Gland
Carcinoma | | | | | | | | | | | | | | | | | | | | | | | | | 3
2 | |

* .. Total animals with tissue examined microscopically; Total animals with tumor
+ .. Tissue examined microscopically
X .. Lesion present
I .. Insufficient tissue

M .. Missing tissue
A .. Autolysis precludes evaluation
BLANK .. Not examined microscopically

Experiment Number: 10119 - 01
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Furan
 CAS Number: 110-00-9

Date Report Requested: 06/03/2014
 Time Report Requested: 08:42:42
 First Dose M/F: 09/07/09 / NA
 Lab: NCTR

| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|--|-------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------------|---|
| FISCHER 344 RATS-NCTR RATS
 MALE
0.092 Furan104wk | | DAY ON TEST | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | * TOTALS | |
| | | ANIMAL ID | | 3 | 5 | 7 | 7 | 7 | 7 | 0 | 6 | 4 | 5 | 7 | 6 | 7 | 5 | 6 | 6 | 4 | 6 | 6 | 6 | 6 | 6 | | 6 |
| | | 7 | 6 | 1 | 2 | 2 | 2 | 1 | 1 | 4 | 9 | 2 | 2 | 2 | 9 | 5 | 8 | 7 | 1 | 1 | 5 | 7 | 9 | 2 | 6 | 2 | |
| | | 9 | 5 | 9 | 8 | 9 | 9 | 6 | 2 | 2 | 2 | 1 | 8 | 0 | 8 | 7 | 2 | 9 | 7 | 2 | 9 | 6 | 5 | 7 | 0 | 8 | |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | |
| | | 9 | 0 | 0 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | |
| | | 9 | 0 | 1 | 3 | 4 | 4 | 5 | 6 | 6 | 5 | 5 | 6 | 7 | 7 | 8 | 8 | 9 | 0 | 1 | 4 | 4 | 4 | 5 | 5 | | |
| | | 2 | 2 | 1 | 2 | 1 | 2 | 2 | 1 | 2 | 1 | 2 | 2 | 1 | 2 | 1 | 2 | 2 | 1 | 2 | 2 | 1 | 2 | 1 | 2 | 2 | |
| | | X | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | Squamous Cell Carcinoma | | | | | | | | | | | | | | | | | | | | | | 1 | | | |

URINARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|------------|
| Kidney | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 100 |
| Leukemia Mononuclear | | | | | | | X | | | | | | | | | | | | | | | | | | X | 9 |
| Transitional Epithelial Carcinoma | | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Urethra | | + | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Urinary Bladder | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 100 |
| Leukemia Mononuclear | | | | | | | X | | | | | | | | | | | | | | | | | | | 2 |

SYSTEMIC LESIONS

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|------------|
| Multiple Organ | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 100 |
| Leukemia Mononuclear | | | X | X | X | X | | X | | X | | | | X | X | | | | X | | | X | | X | 44 | |
| Mesothelioma Malignant | | | | | | | | | | | | | | | | | | | | | | | | | | 2 |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

Experiment Number: 10119 - 01
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Furan
 CAS Number: 110-00-9

Date Report Requested: 06/03/2014
 Time Report Requested: 08:42:42
 First Dose M/F: 09/07/09 / NA
 Lab: NCTR

| DAY ON TEST | FISCHER 344 RATS-NCTR RATS MALE | | | | | | | | | | | | | | | | | | | | | | | | | ANIMAL ID | males (cont...) |
|------------------|---------------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----------|-----------------|
| | 0729 | 0728 | 0509 | 0728 | 0728 | 0655 | 0701 | 0422 | 0728 | 0728 | 0728 | 0663 | 0505 | 0606 | 0508 | 0708 | 0605 | 0606 | 0702 | 0704 | 0608 | 0708 | 0601 | 0500 | 0509 | | |
| 0.2 Furan 104 wk | 0021 | 0033 | 0033 | 0034 | 0041 | 0005 | 0001 | 0002 | 0003 | 0004 | 0008 | 0001 | 0002 | 0002 | 0001 | 0001 | 0001 | 0001 | 0001 | 0001 | 0001 | 0001 | 0001 | 0002 | 0002 | 0002 | 0002 |

ALIMENTARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Esophagus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Large, Cecum
Leukemia Mononuclear | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | A | + | + | + | + | + | + | + | + | + |
| Intestine Large, Colon
Adenoma | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + |
| Intestine Large, Rectum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + |
| Intestine Small, Duodenum
Leukemia Mononuclear | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + |
| Intestine Small, Ileum | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | A | + | + | + | + | + | + | + | + | + |
| Intestine Small, Jejunum
Adenoma
Leukemia Mononuclear | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | A | + | + | + | + | + | + | + | + | + |
| Liver
Leukemia Mononuclear | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Mesentery
Leukemia Mononuclear | | | + | | | + | + | | | | | | | + | | | + | | | | | | | | | + |
| Pancreas
Leukemia Mononuclear
Acinar Cell, Adenoma | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
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 Furan
 CAS Number: 110-00-9

Date Report Requested: 06/03/2014
 Time Report Requested: 08:42:42
 First Dose M/F: 09/07/09 / NA
 Lab: NCTR

| FISCHER 344 RATS-NCTR RATS
MALE
0.2 Furan 104 wk | DAY ON TEST | | | | | | | | | | | | | | | | | | | | ANIMAL ID | males
(cont...) | | | | | | |
|--|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-----------|--------------------|-------|-------|-------|-------|-------|------|
| | 0729 | 0728 | 0509 | 0708 | 0708 | 0605 | 0701 | 0402 | 0702 | 0708 | 0708 | 0603 | 0505 | 0606 | 0508 | 0708 | 0605 | 0606 | 0702 | 0704 | | | 0608 | 0708 | 0601 | 0509 | 0507 | 0509 |
| | 00321 | 00332 | 00334 | 00351 | 00351 | 00352 | 00352 | 00353 | 00354 | 00358 | 00381 | 00382 | 00391 | 00399 | 00399 | 00400 | 00401 | 00401 | 00409 | 00409 | 00415 | 00415 | 00422 | 00422 | 00451 | 00452 | 00452 | |

Acinar Cell, Adenoma, Multiple

X

Salivary Glands
Leukemia Mononuclear

+ +

Stomach, Forestomach
Leukemia Mononuclear

+ +

Stomach, Glandular
Leukemia Mononuclear

+ + + + + + + + + + + + + + + A + + + + + + + +

CARDIOVASCULAR SYSTEM

Blood Vessel

+ +

Heart
Leukemia Mononuclear
Schwannoma Malignant

+ + + + + X + + + X + + + + + X X X X X X X

ENDOCRINE SYSTEM

Adrenal Cortex
Leukemia Mononuclear

+ + + + + X + + + + + X + + X X X

Adrenal Medulla
Leukemia Mononuclear
Pheochromocytoma Benign
Pheochromocytoma Malignant
Bilateral, Pheochromocytoma Benign

+ + + + + X + + + + + X + + X X X X X X

Islets, Pancreatic

+ +

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

Experiment Number: 10119 - 01
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Furan
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Time Report Requested: 08:42:42
First Dose M/F: 09/07/09 / NA
Lab: NCTR

| FISCHER 344 RATS-NCTR RATS MALE | | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | males (cont...) | | | | | |
|---------------------------------|--|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-----------------|-------|-------|-------|-------|-------|
| 0.2 Furan 104 wk | | 0729 | 0728 | 0509 | 0728 | 0728 | 0655 | 0701 | 0422 | 0728 | 0728 | 0653 | 0565 | 0668 | 0588 | 0765 | 0668 | 0722 | 0722 | 0698 | 0728 | 0661 | 0599 | | 0559 | 0597 | | | |
| ANIMAL ID | | 00321 | 00331 | 00334 | 00335 | 00351 | 00352 | 00353 | 00354 | 00392 | 00398 | 00399 | 00400 | 00411 | 00412 | 00411 | 00411 | 00411 | 00411 | 00411 | 00411 | 00411 | 00411 | 00411 | 00411 | 00411 | 00422 | 00422 | 00422 |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--------------------------|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|
| Adenoma | | | | | | | | | | | | | | | | | | X | | X | | | | | | | | | | | | |
| Parathyroid Gland | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Pituitary Gland | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Pars Distalis, Adenoma | | X | X | | X | X | X | | | X | X | | X | X | | X | | | | X | | X | X | | X | X | | X | X | | | |
| Thyroid Gland | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| C-cell, Adenoma | | X | | | | | | | | | | | | X | | | | | | | | | | | | | | | | | | |
| C-cell, Carcinoma | | | | | | X | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Follicular Cell, Adenoma | | | | | | | | | | | | | | | | | | X | | | | | | | | | | | | | | |

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------------------|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|
| Epididymis | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | |
| Preputial Gland | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | |
| Adenoma | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Carcinoma | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | X | |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Squamous Cell Carcinoma | | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Prostate | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | |
| Adenoma | | | | | | | | | | | | | | | | | | X | | | | | | | | | | | | | | | |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | | | | X | X | X | | | | |

* .. Total animals with tissue examined microscopically; Total animals with tumor
+ .. Tissue examined microscopically
X .. Lesion present
I .. Insufficient tissue

M .. Missing tissue
A .. Autolysis precludes evaluation
BLANK .. Not examined microscopically

Experiment Number: 10119 - 01
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 Route: GAVAGE
 Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Furan
 CAS Number: 110-00-9

Date Report Requested: 06/03/2014
 Time Report Requested: 08:42:42
 First Dose M/F: 09/07/09 / NA
 Lab: NCTR

| FISCHER 344 RATS-NCTR RATS
MALE
0.2 Furan 104 wk | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | ANIMAL ID | males
(cont...) |
|--|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|--|-----------|--------------------|
| | 0729 | 0728 | 0509 | 0728 | 0728 | 0665 | 0771 | 0422 | 0728 | 0728 | 0728 | 0663 | 0565 | 0668 | 0728 | 0665 | 0669 | 0724 | 0668 | 0728 | 0661 | 0590 | 0597 | | | |
| Seminal Vesicle | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | |
| Testes | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | |
| Bilateral, Interstitial Cell, Adenoma | X | | | | | | | X | X | | | | | | | | | X | | | | | | | | |
| Interstitial Cell, Adenoma | | X | | | | X | X | | X | | | | X | X | X | X | | | | X | X | | X | | | |
| HEMATOPOIETIC SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bone Marrow | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | | | |
| Leukemia Mononuclear | | | | | | X | | | X | | | | | X | | | X | X | | | X | X | | | | |
| Lymph Node | + | | | + | + | + | | | + | + | + | | | | | | + | + | | | + | + | + | | | |
| Deep Cervical, Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Lumbar, Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mediastinal, Leukemia Mononuclear | | | | | | | X | | | | | | | | | | | X | | | X | X | | | | |
| Pancreatic, Leukemia Mononuclear | | | | | | X | | | X | | | | | | | | | X | | | X | X | | | | |
| Renal, Leukemia Mononuclear | | | | | X | | | | | | | | | | | | | | | | | X | | | | |
| Lymph Node, Mandibular | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | |
| Leukemia Mononuclear | | | | X | | | | | X | | | | | | | | | X | X | X | X | X | X | | | |
| Lymph Node, Mesenteric | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | |
| Leukemia Mononuclear | | | | X | X | | | X | | | | | | X | | | | X | X | X | X | X | X | | | |
| Spleen | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | |
| Histiocytic Sarcoma | | | | | | | | | | | | | | | | | X | | | | | | | | | |
| Leukemia Mononuclear | | X | X | X | | | | X | X | | | | X | X | | | X | X | X | X | X | X | X | | | |
| Thymus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

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Furan
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 Lab: NCTR

| DAY ON TEST | FISCHER 344 RATS-NCTR RATS MALE | | | | | | | | | | | | | | | | | | | | | | | | | ANIMAL ID | males
(cont...) |
|------------------|---------------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|---|-------|--------------------|--------------------|
| | 0729 | 0728 | 0509 | 0728 | 0728 | 0655 | 0742 | 0747 | 0772 | 0778 | 0778 | 0663 | 0565 | 0678 | 0675 | 0666 | 0722 | 0724 | 0698 | 0728 | 0661 | 0590 | 0597 | | | | |
| 0.2 Furan 104 wk | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 00321 | males
(cont...) | |

Leukemia Mononuclear

X

INTEGUMENTARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | |
|------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Mammary Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Fibroadenoma | | | | | | X | | | | | | | | | | | | | | | | | |
| Fibroadenoma, Multiple | | | | | | | | | | X | | | | | | | | | | | | | |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | |
| Skin | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Basal Cell Adenoma | | | | | | | | | | | | | | | | | | | | | X | | |
| Sebaceous Gland, Adenoma | | | | | | | | | | | | | | | | | | | | | | | |
| Subcutaneous Tissue, Fibroma | | | | | | | | | | | | | | | | | | | | | | | |
| Subcutaneous Tissue, Lipoma | | | | | | | | | | X | | | | | | | | | | | | | |

MUSCULOSKELETAL SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | |
|--------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Bone | | | | | | | | | | | | | | | | | | | | | | | |
| Pelvis, Osteosarcoma | | | | | | | | | | | | | | | | | | | | | | | |
| Bone, Femur | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Skeletal Muscle | | | | | | | | | | | | | | | | | | | | | | | |
| Osteosarcoma, Metastatic, Bone | | | | | | | | | | | | | | | | | | | | | | | |

NERVOUS SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | |
|-------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Brain, Brain Stem | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Brain, Cerebellum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |

* .. Total animals with tissue examined microscopically; Total animals with tumor
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 X .. Lesion present
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 Furan
 CAS Number: 110-00-9

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

| DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| FISCHER 344 RATS-NCTR RATS MALE | 7 | 7 | 5 | 7 | 7 | 6 | 7 | 4 | 7 | 7 | 7 | 6 | 5 | 6 | 5 | 7 | 6 | 6 | 7 | 7 | 6 | 7 | 6 | 5 |
| 0.2 Furan 104 wk | 2 | 2 | 0 | 2 | 2 | 5 | 0 | 2 | 2 | 0 | 2 | 6 | 0 | 0 | 6 | 2 | 7 | 0 | 2 | 2 | 9 | 2 | 1 | 9 |
| ANIMAL ID | 9 | 8 | 9 | 8 | 8 | 5 | 1 | 2 | 8 | 8 | 8 | 3 | 5 | 6 | 8 | 8 | 5 | 6 | 9 | 4 | 8 | 8 | 0 | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 |
| | 3 | 3 | 3 | 3 | 5 | 5 | 5 | 5 | 5 | 9 | 9 | 9 | 0 | 0 | 0 | 1 | 1 | 9 | 9 | 9 | 9 | 9 | 0 | 0 |
| | 2 | 3 | 4 | 5 | 1 | 2 | 2 | 3 | 4 | 8 | 8 | 9 | 0 | 1 | 1 | 1 | 3 | 4 | 5 | 5 | 6 | 5 | 5 | 6 |
| | 1 | 2 | 1 | 2 | 1 | 1 | 2 | 2 | 2 | 1 | 2 | 1 | 2 | 2 | 1 | 2 | 1 | 1 | 1 | 2 | 2 | 1 | 2 | 2 |
| | | | | | | | | | | | | | | | | | | | | | | | | |

males (cont...)

Leukemia Mononuclear

Brain, Cerebrum

+ +

RESPIRATORY SYSTEM

Lung

+ +

Leukemia Mononuclear

X X X X X X X

Nose

+ + + + + + + + + + + + A + + + + + + + + + +

Trachea

+ +

SPECIAL SENSES SYSTEM

Ear

Neural Crest Tumor

+ + + + + + + + + + + + A + + + + + + + + + +

Eye

+ +

Harderian Gland

URINARY SYSTEM

Kidney

Leukemia Mononuclear

Renal Tubule, Carcinoma

+ +

X X X X

X

Urinary Bladder

Leukemia Mononuclear

+ +

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

Experiment Number: 10119 - 01
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Furan
 CAS Number: 110-00-9

Date Report Requested: 06/03/2014
 Time Report Requested: 08:42:42
 First Dose M/F: 09/07/09 / NA
 Lab: NCTR

| | | | | | | | | | | | | | | | | | | | | | | | | |
|---|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------------------------|
| FISCHER 344 RATS-NCTR RATS MALE
0.2 Furan 104 wk | DAY ON TEST | 0729 | 0728 | 0509 | 0728 | 0778 | 0675 | 0742 | 0772 | 0778 | 0778 | 0663 | 0565 | 0668 | 0778 | 0665 | 0772 | 0774 | 0668 | 0778 | 0661 | 0570 | 0597 | males (cont...) |
| | ANIMAL ID | 0032 | 0033 | 0034 | 0035 | 0031 | 0032 | 0033 | 0034 | 0035 | 0039 | 0039 | 0039 | 0000 | 0001 | 0001 | 0001 | 0001 | 0001 | 0001 | 0001 | 0002 | 0002 | |

Transitional Epithelium, Papilloma

X

SYSTEMIC LESIONS

| | | | | | | | | | | | | | | | | | | | | | | | |
|----------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Multiple Organ | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Histiocytic Sarcoma | | | | | | | | | | | | | | | | | | | | | | X | |
| Leukemia Mononuclear | | X | | X | | X | | | X | | X | | | | X | | X | X | X | X | X | X | X |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

Experiment Number: 10119 - 01
 Test Type: CHRONIC
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 First Dose M/F: 09/07/09 / NA
 Lab: NCTR

| FISCHER 344 RATS-NCTR RATS
MALE
0.2 Furan 104 wk | DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | * TOTALS |
|--|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----------|
| | ANIMAL ID | 7 | 5 | 0 | 7 | 7 | 7 | 6 | 7 | 6 | 6 | 7 | 3 | 6 | 7 | 6 | 6 | 7 | 7 | 5 | 6 | 7 | 6 | 7 | 7 | |
| | | 1 | 2 | 2 | 2 | 2 | 8 | 0 | 7 | 8 | 2 | 5 | 4 | 2 | 1 | 5 | 0 | 2 | 0 | 2 | 2 | 8 | 0 | 7 | 1 | |
| | | 5 | 6 | 5 | 8 | 9 | 9 | 1 | 4 | 4 | 8 | 4 | 9 | 3 | 8 | 1 | 2 | 9 | 8 | 5 | 6 | 8 | 4 | 4 | 8 | |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| | | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | | |
| | | 0 | 0 | 5 | 5 | 5 | 6 | 7 | 7 | 7 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 7 | 1 | 1 | 1 | 1 | 2 | 3 | |
| | | 7 | 8 | 7 | 8 | 9 | 0 | 2 | 3 | 3 | 5 | 5 | 6 | 7 | 8 | 7 | 8 | 9 | 0 | 7 | 8 | 9 | 0 | 1 | 1 | |
| | | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 1 | 2 | 1 | 2 | 1 | 1 | 1 | 1 | 1 | 2 | 1 | 2 | 1 | 1 | 2 | 2 | 2 | |

ALIMENTARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--------------|
| Esophagus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Intestine Large, Cecum
Leukemia Mononuclear | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | 47
1 |
| Intestine Large, Colon
Adenoma | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49
1 |
| Intestine Large, Rectum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 |
| Intestine Small, Duodenum
Leukemia Mononuclear | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | 48
1 |
| Intestine Small, Ileum | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | 47 |
| Intestine Small, Jejunum
Adenoma
Leukemia Mononuclear | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | 47
1
1 |
| Liver
Leukemia Mononuclear | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50
29 |
| Mesentery
Leukemia Mononuclear | | | | | | + | + | | | | + | + | | | | | + | + | | + | | | + | | 14
1 |
| Pancreas
Leukemia Mononuclear
Acinar Cell, Adenoma | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50
4
7 |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

Experiment Number: 10119 - 01
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Furan
 CAS Number: 110-00-9

Date Report Requested: 06/03/2014
 Time Report Requested: 08:42:42
 First Dose M/F: 09/07/09 / NA
 Lab: NCTR

| FISCHER 344 RATS-NCTR RATS
MALE
0.2 Furan 104 wk | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | * TOTALS | | |
|--|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------|---|----|
| | 0715 | 0502 | 0072 | 0772 | 0777 | 0666 | 0776 | 0666 | 0776 | 0666 | 0773 | 0663 | 0776 | 0666 | 0776 | 0666 | 0775 | 0666 | 0776 | 0667 | 0776 | 0667 | 0776 | 0667 | | | |
| ANIMAL ID | 02071 | 00057 | 00058 | 00059 | 00061 | 00072 | 00077 | 00077 | 00077 | 00083 | 00083 | 00083 | 00083 | 00083 | 00083 | 00083 | 00083 | 00083 | 00083 | 00083 | 00083 | 00083 | 00083 | 00083 | | | |
| Acinar Cell, Adenoma, Multiple | | | | | | | | | | | | | | | | | | | | | | | | | X | 2 | |
| Salivary Glands | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | | | X | 1 |
| Stomach, Forestomach | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | | | X | 1 |
| Stomach, Glandular | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | | | X | 2 |
| CARDIOVASCULAR SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Blood Vessel | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 |
| Heart | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Leukemia Mononuclear | X | | | | X | | | | | X | X | | | | | | | | | | | | | | X | X | 16 |
| Schwannoma Malignant | X | | | | | | | | | | | | | | | | | | | | | | | | | | 2 |
| ENDOCRINE SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Adrenal Cortex | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Leukemia Mononuclear | X | | | | X | | | | | X | | | | | | | | | | | | | | | X | X | 10 |
| Adrenal Medulla | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Leukemia Mononuclear | X | | | | X | | | | | X | X | | | | | | | | | | | | | | X | X | 10 |
| Pheochromocytoma Benign | | | | | X | | | | | X | | | | | | | | | | | | | | | | X | 10 |
| Pheochromocytoma Malignant | | | | | | | | | | | | | | | | | | | | | | | | | | | 4 |
| Bilateral, Pheochromocytoma Benign | | | | | | | | | | | | | | | | | | | | | | | | | | X | 1 |
| Islets, Pancreatic | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

Experiment Number: 10119 - 01
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Furan
 CAS Number: 110-00-9

Date Report Requested: 06/03/2014
 Time Report Requested: 08:42:42
 First Dose M/F: 09/07/09 / NA
 Lab: NCTR

| FISCHER 344 RATS-NCTR RATS
MALE
0.2 Furan 104 wk | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | * TOTALS | |
|--|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------|-------|
| | 07155 | 07225 | 07228 | 07229 | 07229 | 07229 | 07229 | 07229 | 07229 | 07229 | 07229 | 07229 | 07229 | 07229 | 07229 | 07229 | 07229 | 07229 | 07229 | 07229 | 07229 | 07229 | 07229 | 07229 | | 07229 |
| ANIMAL ID | 02071 | 02071 | 02071 | 02071 | 02071 | 02071 | 02071 | 02071 | 02071 | 02071 | 02071 | 02071 | 02071 | 02071 | 02071 | 02071 | 02071 | 02071 | 02071 | 02071 | 02071 | 02071 | 02071 | 02071 | 02071 | |
| Adenoma | X | | | | | | | | X | | | | | X | | | | | | | | | X | X | 7 | |
| Parathyroid Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Pituitary Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Leukemia Mononuclear | | | | | | | | | X | X | | | | | | | | | | | | | X | X | 4 | |
| Pars Distalis, Adenoma | X | X | | X | X | X | X | X | X | | X | | X | X | X | X | X | | X | X | X | X | X | X | 37 | |
| Thyroid Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| C-cell, Adenoma | | | | | | | X | | X | | | | X | | | | | | | | | X | X | | 7 | |
| C-cell, Carcinoma | | | | | | | | | | | | | | | | | | | | | | | | | 1 | |
| Follicular Cell, Adenoma | | | | | | | | | | | | | | | | | | | | | | | | | 1 | |
| GENERAL BODY SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | |
| NONE | | | | | | | | | | | | | | | | | | | | | | | | | | |
| GENITAL SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Epididymis | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Preputial Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Adenoma | | | | | | | | | | | | | | X | | | | | | X | | | | | 3 | |
| Carcinoma | | | | | | | | | | | | | | | | X | | | | | | X | | | 3 | |
| Leukemia Mononuclear | | | | | | | | | X | | | | | | | | | | | | | | | | 1 | |
| Squamous Cell Carcinoma | | | | | | | | | | | | | | | X | | | | | | | | | | 2 | |
| Prostate | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Adenoma | | | | | | | | | | | | | | | | | | | | | | | X | | 2 | |
| Leukemia Mononuclear | X | | | | | | | | | | | X | | | | | | | | | | | | | 5 | |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

Experiment Number: 10119 - 01
 Test Type: CHRONIC
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 Furan
 CAS Number: 110-00-9

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

| FISCHER 344 RATS-NCTR RATS
MALE
0.2 Furan 104 wk | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | * TOTALS | |
|--|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------|------|
| | 0715 | 0722 | 0725 | 0728 | 0729 | 0761 | 0764 | 0766 | 0768 | 0768 | 0768 | 0768 | 0768 | 0768 | 0768 | 0768 | 0768 | 0768 | 0768 | 0768 | 0768 | 0768 | 0768 | 0768 | | 0768 |
| ANIMAL ID | 02071 | 02071 | 02071 | 02071 | 02071 | 02071 | 02071 | 02071 | 02071 | 02071 | 02071 | 02071 | 02071 | 02071 | 02071 | 02071 | 02071 | 02071 | 02071 | 02071 | 02071 | 02071 | 02071 | 02071 | 02071 | |
| Seminal Vesicle | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Testes | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Bilateral, Interstitial Cell, Adenoma | | | | X | | X | X | | | X | X | | | X | | X | X | | | X | | | X | 14 | | |
| Interstitial Cell, Adenoma | | X | | | X | | | X | X | | | | X | | | | | | X | | | X | | 18 | | |
| HEMATOPOIETIC SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bone Marrow | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 | |
| Leukemia Mononuclear | X | X | | X | | X | X | X | X | | X | | | | | X | | | X | | X | | X | 19 | | |
| Lymph Node | + | + | | + | | | | | + | | + | + | | | | + | + | | | + | | + | | 23 | | |
| Deep Cervical, Leukemia Mononuclear | | X | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| Lumbar, Leukemia Mononuclear | X | | | | | | | | X | | | | | | | | | | | | | X | | 3 | | |
| Mediastinal, Leukemia Mononuclear | | | | | | | | | X | | | | | | | | | | | | | | | 5 | | |
| Pancreatic, Leukemia Mononuclear | X | X | | X | | | | X | | | X | | | | | | | | | | | | X | 11 | | |
| Renal, Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | X | 3 | | |
| Lymph Node, Mandibular | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | | |
| Leukemia Mononuclear | X | X | | X | | | | X | X | | X | | | | | | | | | | | X | X | 17 | | |
| Lymph Node, Mesenteric | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | 49 | | |
| Leukemia Mononuclear | X | X | | X | | | X | X | X | | X | | | | | | | | | | | X | X | 19 | | |
| Spleen | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | | |
| Histiocytic Sarcoma | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| Leukemia Mononuclear | X | X | | X | | X | X | X | X | | X | | | | | X | | | X | X | X | X | X | 28 | | |
| Thymus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | 49 | | |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

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Furan
CAS Number: 110-00-9

Date Report Requested: 06/03/2014
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First Dose M/F: 09/07/09 / NA
Lab: NCTR

| FISCHER 344 RATS-NCTR RATS
MALE
0.2 Furan 104 wk | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | * TOTALS |
|--|-------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|----------|
| | 071500 | 071500 | 071500 | 071500 | 071500 | 071500 | 071500 | 071500 | 071500 | 071500 | 071500 | 071500 | 071500 | 071500 | 071500 | 071500 | 071500 | 071500 | 071500 | 071500 | 071500 | 071500 | 071500 | 071500 | |
| | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 |
| | 0 | 0 | 5 | 5 | 5 | 6 | 7 | 7 | 7 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 7 | 1 | 1 | 1 | 1 | 2 | 3 |
| | 7 | 8 | 7 | 8 | 9 | 0 | 2 | 3 | 3 | 5 | 5 | 6 | 7 | 8 | 9 | 9 | 9 | 9 | 0 | 7 | 8 | 9 | 0 | 1 | 1 |
| | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 1 | 2 | 1 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 1 | 2 | 2 | 2 | 2 | 2 |

Leukemia Mononuclear X X 3

INTEGUMENTARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| Mammary Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Fibroadenoma | | | | | | | | | | | | | X | | | | | | | | | | | | 2 |
| Fibroadenoma, Multiple | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | X | | 1 |
| Skin | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Basal Cell Adenoma | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Sebaceous Gland, Adenoma | | | | | | | | | | | | | | | | | | | | | | | X | | 1 |
| Subcutaneous Tissue, Fibroma | | | | | | | | | | | | | | | X | | | | | | X | | | | 2 |
| Subcutaneous Tissue, Lipoma | | | | | | | | | | | | | X | | | | | | | | | | | | 2 |

MUSCULOSKELETAL SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|--------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| Bone | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Pelvis, Osteosarcoma | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Bone, Femur | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Skeletal Muscle | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Osteosarcoma, Metastatic, Bone | | | | | | | | | | | | | | | | | | | | | | | | | 1 |

NERVOUS SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| Brain, Brain Stem | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Brain, Cerebellum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |

* .. Total animals with tissue examined microscopically; Total animals with tumor
+ .. Tissue examined microscopically
X .. Lesion present
I .. Insufficient tissue

M .. Missing tissue
A .. Autolysis precludes evaluation
BLANK .. Not examined microscopically

Experiment Number: 10119 - 01
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Furan
 CAS Number: 110-00-9

Date Report Requested: 06/03/2014
 Time Report Requested: 08:42:42
 First Dose M/F: 09/07/09 / NA
 Lab: NCTR

| FISCHER 344 RATS-NCTR RATS
MALE
0.2 Furan 104 wk | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | * TOTALS | |
|--|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------|--|
| | 0715 | 0077 | 0077 | 0077 | 0067 | 0076 | 0066 | 0076 | 0066 | 0073 | 0063 | 0076 | 0066 | 0076 | 0066 | 0077 | 0057 | 0066 | 0077 | 0067 | 0076 | 0077 | 0067 | 0077 | | |
| ANIMAL ID | 02071 | 00205 | 00205 | 00205 | 00206 | 00207 | 00207 | 00207 | 00203 | 00203 | 00203 | 00203 | 00203 | 00203 | 00203 | 00203 | 00203 | 00203 | 00203 | 00203 | 00203 | 00203 | 00203 | 00203 | | |
| Leukemia Mononuclear | | | | | | | | X | | | | | | | | | | | | | | | | | 1 | |
| Brain, Cerebrum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| RESPIRATORY SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Lung | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Leukemia Mononuclear | X | | | | X | | X | X | X | | X | | | | | | X | | | | X | X | | X | 20 | |
| Nose | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | 48 | |
| Trachea | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| SPECIAL SENSES SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ear | | | | | | | | | | | | | | | | | | | | | | | | | 1 | |
| Neural Crest Tumor | | | | | | | | | | | | | | | | | | | | | | | | | 1 | |
| Eye | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | 48 | |
| Harderian Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| URINARY SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Kidney | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Leukemia Mononuclear | | | | | | | | | | X | X | | X | | | | | | | | | X | | X | 9 | |
| Renal Tubule, Carcinoma | | | | | | | | | | | | | | | | | | | | | | | | | 1 | |
| Urinary Bladder | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | X | 1 | |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

Experiment Number: 10119 - 01
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Furan
 CAS Number: 110-00-9

Date Report Requested: 06/03/2014
 Time Report Requested: 08:42:42
 First Dose M/F: 09/07/09 / NA
 Lab: NCTR

| | | | | | | | | | | | | | | | | | | | | | | | | |
|---|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------|
| FISCHER 344 RATS-NCTR RATS MALE
0.2 Furan 104 wk | DAY ON TEST | 07515 | 00225 | 07228 | 07729 | 07729 | 06721 | 06724 | 06628 | 07624 | 03629 | 06628 | 07621 | 06622 | 07729 | 07728 | 05625 | 06626 | 07728 | 07724 | 06624 | 07729 | 07728 | * TOTALS |
| | ANIMAL ID | 02071 | 02071 | 02051 | 02051 | 02051 | 02062 | 02072 | 02073 | 02073 | 02035 | 02035 | 02035 | 02035 | 02035 | 02036 | 02036 | 02069 | 02069 | 02070 | 02071 | 02071 | 02072 | |

Transitional Epithelium, Papilloma

1

SYSTEMIC LESIONS

| | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| Multiple Organ | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Histiocytic Sarcoma | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Leukemia Mononuclear | X | X | | | X | | X | X | X | X | | X | | | | X | | | X | X | X | X | X | 29 |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

Experiment Number: 10119 - 01
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Furan
 CAS Number: 110-00-9

Date Report Requested: 06/03/2014
 Time Report Requested: 08:42:42
 First Dose M/F: 09/07/09 / NA
 Lab: NCTR

| DAY ON TEST | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|--|-----------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--------------------|---|
| FISCHER 344 RATS-NCTR RATS MALE | | 5 | 6 | 5 | 5 | 7 | 6 | 4 | 7 | 7 | 6 | 6 | 7 | 2 | 5 | 7 | 6 | 7 | 5 | 5 | 6 | 7 | 7 | 4 | 7 | 4 | |
| | | 4 | 0 | 3 | 3 | 2 | 2 | 2 | 2 | 2 | 9 | 2 | 1 | 9 | 5 | 0 | 6 | 1 | 7 | 4 | 7 | 2 | 2 | 8 | 8 | 2 | 9 |
| | | 0 | 2 | 0 | 7 | 8 | 1 | 7 | 8 | 8 | 9 | 6 | 6 | 6 | 7 | 8 | 1 | 6 | 6 | 0 | 3 | 8 | 8 | 5 | 9 | 8 | |
| 0.44 Furan 104wk | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | |
| | | 2 | 2 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 5 | 8 | 8 | 8 | 8 | 8 | 1 | 7 | 7 | 7 | 7 | 7 | 8 | 9 | 9 | 9 | |
| | | 8 | 9 | 0 | 1 | 1 | 7 | 8 | 9 | 9 | 0 | 2 | 3 | 4 | 5 | 5 | 2 | 0 | 1 | 1 | 2 | 3 | 9 | 0 | 1 | 1 | |
| | | 1 | 1 | 2 | 1 | 2 | 2 | 2 | 1 | 2 | 1 | 2 | 2 | 2 | 1 | 2 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 1 | 2 | |
| | ANIMAL ID | | | | | | | | | | | | | | | | | | | | | | | | | males
(cont...) | |

ALIMENTARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Esophagus | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Large, Cecum
Leukemia Mononuclear | | + | + | + | A | + | + | A | + | + | A | + | + | + | + | + | + | A | + | + | + | + | + | + | A | |
| | | X | | | | | | | | | | | | | | | | | | | | | | | | |
| Intestine Large, Colon
Leukemia Mononuclear | | + | + | + | A | + | + | A | + | + | A | + | + | + | + | + | + | A | + | + | + | + | + | + | A | |
| | | X | | | | | | | | | | | | | | | | | | | | | | | | |
| Intestine Large, Rectum | | + | + | + | A | + | + | + | + | + | A | + | + | + | + | + | + | A | + | + | + | + | + | + | A | |
| | | X | | | | | | | | | | | | | | | | | | | | | | | | |
| Intestine Small, Duodenum
Leukemia Mononuclear | | + | + | + | A | + | + | A | + | + | A | + | + | + | + | + | + | A | + | + | + | + | + | + | A | |
| | | X | | | | | | | | | | | | | | | | | | | | | | | | |
| Intestine Small, Ileum
Leukemia Mononuclear | | + | + | + | A | + | + | A | + | + | A | + | + | + | + | + | + | A | + | + | + | + | + | + | A | |
| | | X | | | | | | | | | | | | | | | | | | | | | | | | |
| Liver
Hepatocellular Adenoma
Leukemia Mononuclear
Mesothelioma Malignant | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | |
| | | X | X | | | | | | | | | | | | | X | | | | X | | | | | | |
| Mesentery
Leukemia Mononuclear | | + | | | | | + | | | | | | | | | | + | | | | | + | | | | |
| | | X | | | | | | | | | | | | | | | | | | | | | | | | |
| Oral Mucosa | | | | | | | | | | | | | | | | | | | | | | | | | | |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

Experiment Number: 10119 - 01
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Furan
 CAS Number: 110-00-9

Date Report Requested: 06/03/2014
 Time Report Requested: 08:42:42
 First Dose M/F: 09/07/09 / NA
 Lab: NCTR

| FISCHER 344 RATS-NCTR RATS
MALE
0.44 Furan 104wk | DAY ON TEST | | | | | | | | | | | | | | | | | | | | ANIMAL ID | males
(cont...) | | |
|--|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-----------|--------------------|-------|------|
| | 0540 | 0602 | 0530 | 0537 | 0722 | 0642 | 0747 | 0778 | 0778 | 0669 | 0721 | 0292 | 0517 | 0706 | 0671 | 0575 | 0554 | 0667 | 0728 | 0728 | | | 0485 | 0729 |
| | 00281 | 00211 | 00322 | 00331 | 00332 | 00442 | 00442 | 00442 | 00442 | 00551 | 00882 | 00882 | 00882 | 00882 | 00882 | 00882 | 00882 | 00882 | 00882 | 00882 | 00882 | 00882 | 00882 | |

| | | | | | | | | | | | | | | | | | | | | | | | | |
|--------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Pancreas | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A |
| Leukemia Mononuclear | X | | | | | | | | | | | | | | | | | | | | | | | |
| Mesothelioma Malignant | | | | | | | | | | | | | | | | | | | | | | | | |
| Acinar Cell, Adenoma | | | | | | | | | | | | | | | | | | | | | | | | |
| Acinar Cell, Adenoma, Multiple | | | | | | | | | | X | | | | | X | | | | | | | | | |
| Salivary Glands | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A |
| Leukemia Mononuclear | X | | | | | | | | | | | | | | | | | | | | | | | |
| Stomach, Forestomach | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A |
| Squamous Cell Papilloma | | | | | | | | | | | | | | | | | | | | | | | | |
| Stomach, Glandular | + | + | + | A | + | + | A | + | + | A | + | + | A | + | + | + | + | + | A | + | + | + | + | A |

CARDIOVASCULAR SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | |
|--------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Blood Vessel | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | |
| Heart | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Leukemia Mononuclear | X | X | | | | | | | | | | | | | | | | | | | | | | |
| Schwannoma Benign | | | | | | | | | | | | | | | | | | | | | | | | |
| Schwannoma Malignant | | | | | | | | | | | | | | | | | | | | | | | | |
| Atrium, Mesothelioma Nos | | | | | | | | | | | | | | | | | | | | | | | | |

ENDOCRINE SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Adrenal Cortex | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A |
| Adenoma | | | | | | | | | | | | | | | | | | | | | | | | |
| Leukemia Mononuclear | X | | | | | | | | | | | | | | | | | | | | | | | |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

Experiment Number: 10119 - 01
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Furan
 CAS Number: 110-00-9

Date Report Requested: 06/03/2014
 Time Report Requested: 08:42:42
 First Dose M/F: 09/07/09 / NA
 Lab: NCTR

| DAY ON TEST | FISCHER 344 RATS-NCTR RATS MALE | | | | | | | | | | | | | | | | | | | | | | | | ANIMAL ID | males (cont...) |
|------------------|---------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-----------|-----------------|
| | 0540 | 0602 | 0530 | 0537 | 0728 | 0641 | 0472 | 0778 | 0778 | 0668 | 0766 | 0216 | 0216 | 0595 | 0708 | 0661 | 0766 | 0554 | 0554 | 0663 | 0728 | 0728 | 0485 | 0729 | | |
| 0.44 Furan 104wk | 00281 | 00211 | 00302 | 00311 | 00312 | 00447 | 00442 | 00449 | 00459 | 00582 | 00581 | 00632 | 00632 | 00885 | 00884 | 00884 | 00884 | 00884 | 00884 | 00884 | 00884 | 00884 | 00884 | 00884 | 00884 | |

Mesothelioma Malignant

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|------------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Adrenal Medulla | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | X | |
| Pheochromocytoma Benign | | | | | X | | | X | X | | X | | X | | X | | | | | | | | | | |
| Pheochromocytoma Malignant | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bilateral, Pheochromocytoma Benign | | | | | | | | | | | | | | | | | | | | | | | | | |

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|--------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Islets, Pancreatic | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A |
| Adenoma | | | | | | | | | | X | | | | X | | | X | | | | | | X | | |
| Carcinoma | | | | | | | | | | | | | | | | | | | | | | | | | |

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Parathyroid Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
|-------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Pituitary Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A |
| Leukemia Mononuclear | X | | | | | | | | | | | | | | | | | | | | | | X | | |
| Pars Distalis, Adenoma | | X | X | X | | X | X | X | X | X | X | | X | X | X | X | X | X | X | | | X | X | | |

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|--------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Thyroid Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A |
| C-cell, Adenoma | X | | X | | | | | X | | | | | | | | | X | X | | | | | | X | |
| C-cell, Carcinoma | | | | | X | | | | | | | | | | | | | | | | | | | | |
| Follicular Cell, Adenoma | | | | | | | | | | | | | | | | | | | | | | | | | |

GENERAL BODY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| Peritoneum | | | | | | | | | | | | | | | | | | | | | | | | | |
| Tunica Vaginalis, Mesothelioma Malignant | | | | | | | | | | | | | | | | | | | | | | | | | |

GENITAL SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Epididymis | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
|------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

Experiment Number: 10119 - 01
 Test Type: CHRONIC
 Route: GAVAGE
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P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Furan
 CAS Number: 110-00-9

Date Report Requested: 06/03/2014
 Time Report Requested: 08:42:42
 First Dose M/F: 09/07/09 / NA
 Lab: NCTR

| | | DAY ON TEST | | | | | | | | | | | | | | | | | | | | males
(cont...) | | | | | | | | |
|--|--|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|------------------|---|
| FISCHER 344 RATS-NCTR RATS
MALE
0.44 Furan 104wk | | 0
5
4
0 | 0
6
0
2 | 0
5
3
0 | 0
5
3
7 | 0
7
2
8 | 0
6
2
7 | 0
4
2
8 | 0
7
2
8 | 0
7
2
8 | 0
6
2
8 | 0
7
2
8 | 0
6
2
8 | 0
7
2
8 | 0
7
2
8 | 0
6
2
8 | 0
5
0
8 | 0
7
6
1 | 0
6
7
6 | 0
5
4
0 | 0
6
7
3 | | 0
7
2
8 | 0
7
2
8 | 0
4
8
5 | 0
7
2
8 | 0
4
8
9 | 0
7
2
8 | 0
4
8
9 | |
| ANIMAL ID | | 0
0
2
8
1 | 0
0
2
9
1 | 0
0
3
0
2 | 0
0
3
1
1 | 0
0
3
1
2 | 0
0
4
7
2 | 0
0
4
8
2 | 0
0
4
9
1 | 0
0
4
9
2 | 0
0
4
9
0 | 0
0
5
2
1 | 0
0
8
3
2 | 0
0
8
4
2 | 0
0
8
5
1 | 0
0
8
2
1 | 0
0
8
5
2 | 0
0
1
1
1 | 0
0
1
7
1 | 0
0
1
7
1 | 0
0
1
7
2 | 0
0
1
7
2 | 0
0
1
7
3 | 0
0
1
8
2 | 0
0
1
9
2 | 0
0
1
9
2 | 0
0
1
9
1 | 0
0
1
9
2 | | |
| Leukemia Mononuclear | | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mesothelioma Malignant | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | X |
| Preputial Gland | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | |
| Adenoma | | | | | | | | | | | | | | | | | | | | | | | | | | | | | X | |
| Carcinoma | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Prostate | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | |
| Adenoma | | | | | | | | | | | | | | | | | | | | | | | | | | | | | X | |
| Leukemia Mononuclear | | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mesothelioma Malignant | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Seminal Vesicle | | + | + | + | A | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | A | | |
| Leukemia Mononuclear | | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mesothelioma Malignant | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Testes | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | |
| Mesothelioma Malignant | | | | | | | | | | | | | | | | | | | | | | | | | | | | | X | |
| Bilateral, Interstitial Cell, Adenoma | | | | | | | | | | | | | | | | | | | | | | | | | | | | | X | |
| Interstitial Cell, Adenoma | | | | | | | | | | | | | | | | | | | | | | | | | | | | | X | |

HEMATOPOIETIC SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--------------------------------|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Bone Marrow | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | | | | | X | |
| Lymph Node | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Axillary, Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | | | | | | X |
| Cervical, Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | | | | | | X |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

Experiment Number: 10119 - 01
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Furan
 CAS Number: 110-00-9

Date Report Requested: 06/03/2014
 Time Report Requested: 08:42:42
 First Dose M/F: 09/07/09 / NA
 Lab: NCTR

| FISCHER 344 RATS-NCTR RATS
MALE
0.44 Furan 104wk | DAY ON TEST | | | | | | | | | | | | | | | | | | | | ANIMAL ID | males
(cont...) | | | |
|--|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|--------------------|---|---|---|
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | 0 | 0 | 0 |
| | 5 | 6 | 5 | 5 | 7 | 6 | 4 | 7 | 7 | 6 | 6 | 7 | 2 | 5 | 7 | 6 | 7 | 5 | 5 | 6 | 7 | 7 | 4 | 7 | 4 |
| | 4 | 0 | 3 | 3 | 2 | 2 | 2 | 2 | 2 | 9 | 2 | 1 | 9 | 5 | 0 | 6 | 1 | 7 | 4 | 7 | 2 | 2 | 8 | 2 | 9 |
| | 0 | 2 | 0 | 7 | 8 | 1 | 7 | 8 | 8 | 9 | 6 | 6 | 6 | 7 | 8 | 1 | 6 | 6 | 0 | 3 | 8 | 8 | 5 | 9 | 8 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 2 | 2 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 5 | 8 | 8 | 8 | 8 | 8 | 1 | 7 | 7 | 7 | 7 | 7 | 8 | 9 | 9 | 9 |
| | 8 | 9 | 0 | 1 | 1 | 7 | 8 | 9 | 9 | 0 | 2 | 3 | 4 | 5 | 5 | 2 | 0 | 1 | 1 | 2 | 3 | 9 | 0 | 1 | 1 |
| | 1 | 1 | 2 | 1 | 2 | 2 | 2 | 1 | 2 | 0 | 1 | 2 | 2 | 1 | 2 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 1 | 2 |

Lumbar, Leukemia Mononuclear
 Mediastinal, Leukemia Mononuclear
 Pancreatic, Leukemia Mononuclear
 Renal, Leukemia Mononuclear

X
 X
 X
 X

Lymph Node, Mandibular
 Leukemia Mononuclear

+ A
 X X

Lymph Node, Mesenteric
 Leukemia Mononuclear
 Mesothelioma Malignant

+ + + A + + + + + A + + + + + + + + + + + + + + + + A
 X X

Spleen
 Leukemia Mononuclear
 Mesothelioma Malignant

+ + + + + + + + + + + A + + + + + + + + + + + + + + + +
 X

Thymus
 Leukemia Mononuclear

+ A
 X X

INTEGUMENTARY SYSTEM

Mammary Gland
 Adenocarcinoma
 Adenoma
 Fibroadenoma

+
 X

Skin
 Basal Cell Adenoma
 Leukemia Mononuclear
 Squamous Cell Papilloma

+
 X
 X

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
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Experiment Number: 10119 - 01
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P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Furan
 CAS Number: 110-00-9

Date Report Requested: 06/03/2014
 Time Report Requested: 08:42:42
 First Dose M/F: 09/07/09 / NA
 Lab: NCTR

| DAY ON TEST | FISCHER 344 RATS-NCTR RATS MALE | | | | | | | | | | | | | | | | | | | | | | | | ANIMAL ID | males (cont...) |
|------------------|---------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-----------|-----------------|
| | 0540 | 0602 | 0530 | 0537 | 0728 | 0621 | 0422 | 0728 | 0728 | 0629 | 0626 | 0726 | 0219 | 0505 | 0708 | 0601 | 0706 | 0504 | 0603 | 0708 | 0708 | 0405 | 0702 | 0409 | | |
| 0.44 Furan 104wk | 00281 | 00211 | 00302 | 00331 | 00332 | 00442 | 00442 | 00442 | 00442 | 00459 | 00488 | 00488 | 00488 | 00488 | 00488 | 00525 | 00525 | 00601 | 00601 | 00601 | 00601 | 00601 | 00601 | 00601 | 00601 | 00601 |

Dermis, Fibroma X
 Subcutaneous Tissue, Fibroma
 Subcutaneous Tissue, Sarcoma

MUSCULOSKELETAL SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Bone, Femur | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Skeletal Muscle | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mesothelioma Malignant | | | | | | | | | | | | | | | | | | | | | | | | | | |

NERVOUS SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Brain, Brain Stem | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Brain, Cerebellum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Brain, Cerebrum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |

RESPIRATORY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lung | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Alveolar/Bronchiolar Adenoma | | | | X | | | | | | | | | | | | | | | | | | | | | | |
| Alveolar/Bronchiolar Carcinoma | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Leukemia Mononuclear | X | X | | | | | | | | | | | | X | | | | | X | | | | | | | X |
| Nose | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A |
| Trachea | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

Experiment Number: 10119 - 01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
Furan
CAS Number: 110-00-9

Date Report Requested: 06/03/2014
Time Report Requested: 08:42:42
First Dose M/F: 09/07/09 / NA
Lab: NCTR

| FISCHER 344 RATS-NCTR RATS
MALE
0.44 Furan 104wk | DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
|--|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ANIMAL ID | 5 | 6 | 5 | 5 | 7 | 6 | 4 | 7 | 7 | 6 | 6 | 7 | 2 | 5 | 7 | 6 | 7 | 5 | 5 | 6 | 7 | 7 | 4 | 7 | 4 |
| | | 4 | 0 | 3 | 3 | 2 | 2 | 2 | 2 | 9 | 2 | 1 | 9 | 5 | 0 | 6 | 1 | 7 | 4 | 7 | 2 | 2 | 8 | 8 | 2 | 9 |
| | | 0 | 2 | 0 | 7 | 8 | 1 | 7 | 8 | 8 | 9 | 6 | 6 | 7 | 8 | 1 | 6 | 6 | 0 | 3 | 8 | 8 | 5 | 8 | 9 | |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | |
| | | 2 | 2 | 3 | 3 | 3 | 4 | 4 | 4 | 5 | 8 | 8 | 8 | 8 | 8 | 1 | 7 | 7 | 7 | 7 | 7 | 8 | 9 | 9 | 9 | |
| | | 8 | 9 | 0 | 1 | 1 | 7 | 8 | 9 | 9 | 0 | 2 | 3 | 4 | 5 | 2 | 0 | 1 | 1 | 2 | 3 | 9 | 0 | 1 | 1 | |
| | | 1 | 1 | 2 | 1 | 2 | 2 | 2 | 2 | 1 | 2 | 1 | 2 | 2 | 1 | 2 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 1 | 2 | |

males
(cont...)

SPECIAL SENSES SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Eye | + | + | + | A | + | + | + | + | + | A | + | + | A | + | + | + | + | A | + | + | + | + | + | A |
| Harderian Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A |
| Zymbal's Gland | | | | | | | | | | | | | | + | | | | | | | | | | |
| Squamous Cell Carcinoma | | | | | | | | | | | | | | X | | | | | | | | | | |

URINARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | |
|------------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Kidney | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A |
| Leukemia Mononuclear | X | X | | | | | | | | | | | | | | | | | | | X | | | |
| Urinary Bladder | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | A |
| Leukemia Mononuclear | X | | | | | | | | | | | | | | | | | | | X | | | | |
| Mesothelioma Malignant | | | | | | | | | | | | | | | | | | | | | | | | |
| Transitional Epithelium, Papilloma | | | | | | | | | | | | | | | | | | | | | | | | X |

SYSTEMIC LESIONS

| | | | | | | | | | | | | | | | | | | | | | | | | |
|------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Multiple Organ | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Leukemia Mononuclear | X | X | | | | | | | X | | | | | | X | | | | | X | | | | X |
| Mesothelioma Malignant | | | | | | | | | | | | | | | | | | | | | | | | X |
| Mesothelioma Nos | | | | | | | | | | | | | | | | | | | | | | | | |

* .. Total animals with tissue examined microscopically; Total animals with tumor
+ .. Tissue examined microscopically
X .. Lesion present
I .. Insufficient tissue

M .. Missing tissue
A .. Autolysis precludes evaluation
BLANK .. Not examined microscopically

Experiment Number: 10119 - 01
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Furan
 CAS Number: 110-00-9

Date Report Requested: 06/03/2014
 Time Report Requested: 08:42:42
 First Dose M/F: 09/07/09 / NA
 Lab: NCTR

| FISCHER 344 RATS-NCTR RATS
MALE
0.44 Furan 104wk | DAY ON TEST | | | | | | | | | | | | | | | | | | | | * TOTALS | | | |
|--|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------|-------|-------|-------|
| | 078 | 078 | 072 | 070 | 072 | 058 | 073 | 069 | 078 | 075 | 063 | 078 | 041 | 078 | 056 | 057 | 079 | 041 | 065 | 063 | | 050 | 058 | 075 |
| ANIMAL ID | 01921 | 02241 | 02242 | 02245 | 02262 | 02271 | 02272 | 02266 | 02266 | 02222 | 02222 | 02222 | 02222 | 02222 | 02222 | 02222 | 02222 | 02222 | 02222 | 02222 | 02222 | 02222 | 02222 | 02222 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

ALIMENTARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---------|
| Esophagus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Intestine Large, Cecum
Leukemia Mononuclear | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 44
1 |
| Intestine Large, Colon
Leukemia Mononuclear | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 44
1 |
| Intestine Large, Rectum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 45 |
| Intestine Small, Duodenum
Leukemia Mononuclear | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 44
1 |
| Intestine Small, Ileum
Leukemia Mononuclear | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 44
1 |
| Intestine Small, Jejunum
Leukemia Mononuclear | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 44
1 |
| Liver
Hepatocellular Adenoma | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49
1 |
| Leukemia Mononuclear | X | X | | X | X | | X | | X | X | | | | | | | X | X | | | X | X | X | 16
1 |
| Mesothelioma Malignant | | | | | | | | | X | | | | | | | | | | | | | | | 1 |
| Mesentery
Leukemia Mononuclear | | | | | | | | | + | | | | + | | | + | | + | | | | | | 8
1 |
| Oral Mucosa | | | | | | | | | | | | | | | | | | | | | | | | 1 |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

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 Furan
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 First Dose M/F: 09/07/09 / NA
 Lab: NCTR

| FISCHER 344 RATS-NCTR RATS
MALE
0.44 Furan 104wk | DAY ON TEST | | | | | | | | | | | | | | | | | | | | * TOTALS | | | | | |
|--|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------|-------|-------|-------|------|--|
| | 0728 | 0728 | 0722 | 0720 | 0722 | 0725 | 0727 | 0726 | 0727 | 0727 | 0726 | 0724 | 0727 | 0725 | 0725 | 0727 | 0724 | 0726 | 0725 | 0726 | | 0725 | 0725 | 0727 | 0727 | |
| ANIMAL ID | 01921 | 02241 | 02242 | 02252 | 02262 | 02271 | 02281 | 02291 | 02301 | 02313 | 02323 | 02333 | 02343 | 02352 | 02362 | 02372 | 02382 | 02393 | 02403 | 02413 | 02423 | 02433 | 02443 | 02454 | | |
| Pancreas | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 | | |
| Leukemia Mononuclear | | | | | | | | | | X | | | | | | | | | | | | | | 3 | | |
| Mesothelioma Malignant | | | | | | | | | | | X | | | | | | | | | | | | | 1 | | |
| Acinar Cell, Adenoma | | | | | | | | | | | | | | X | X | | X | | | X | | | | 5 | | |
| Acinar Cell, Adenoma, Multiple | | | X | | X | | | | | | X | | | | | | | | | | | | | 5 | | |
| Salivary Glands | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 | | |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | 2 | | |
| Stomach, Forestomach | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 | | |
| Squamous Cell Papilloma | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| Stomach, Glandular | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 44 | | |
| CARDIOVASCULAR SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Blood Vessel | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | | |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| Heart | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | | |
| Leukemia Mononuclear | | | | X | | | X | | | X | | | | | | | X | X | | | X | X | | 10 | | |
| Schwannoma Benign | | | | | | | | | | | | | | | | | | | | | | | X | 1 | | |
| Schwannoma Malignant | | | | | | X | | | | | | | | | | X | X | | | | | X | | 4 | | |
| Atrium, Mesothelioma Nos | | | | X | | | | | | | | | | | | | | | | | | | | 1 | | |
| ENDOCRINE SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Adrenal Cortex | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 | | |
| Adenoma | | | | | | | | | | | | | | | | X | | | | | | | | 1 | | |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | X | X | | | X | | | 5 | | |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
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CAS Number: 110-00-9

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Lab: NCTR

| FISCHER 344 RATS-NCTR RATS MALE
0.44 Furan 104wk | DAY ON TEST | | | | | | | | | | | | | | | | | | | | * TOTALS | | | | | | |
|---|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------|-------|-------|-------|-------|------|----|
| | 0728 | 0728 | 0722 | 0720 | 0722 | 0725 | 0728 | 0733 | 0739 | 0738 | 0735 | 0733 | 0728 | 0724 | 0727 | 0725 | 0724 | 0719 | 0717 | 0715 | | 0713 | 0708 | 0705 | 0707 | 0707 | |
| ANIMAL ID | 019221 | 02241 | 02244 | 02256 | 02272 | 02277 | 02281 | 02286 | 02292 | 02297 | 02303 | 02303 | 02303 | 02303 | 02303 | 02303 | 02303 | 02303 | 02303 | 02303 | 02303 | 02303 | 02303 | 02303 | 02303 | | |
| Mesothelioma Malignant | | | | | | | | | X | | | | | | | | | | | | | | | | | 1 | |
| Adrenal Medulla | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 | |
| Leukemia Mononuclear | | | | | | | | | | | | X | | | | | | | | | | | | | | 2 | |
| Pheochromocytoma Benign | | | | | | X | | | | | | | | | | | | | | | | | | | | 7 | |
| Pheochromocytoma Malignant | | | | | | | | | | X | | | | | | | | | | | | | | | | 1 | |
| Bilateral, Pheochromocytoma Benign | | | X | | | | | | | | | | X | | | | | | | | | | | | | 2 | |
| Islets, Pancreatic | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 | |
| Adenoma | | | | X | X | | X | | | | | | | | | | X | | | | | | | | | 8 | |
| Carcinoma | | | | | | | | | | | | | | | | | | | | | | | | X | | 1 | |
| Parathyroid Gland | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 | |
| Pituitary Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 | |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | X | | 3 | |
| Pars Distalis, Adenoma | X | X | X | X | | | X | X | | | | X | | | X | X | | X | X | X | X | | X | X | | 35 | |
| Thyroid Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 | |
| C-cell, Adenoma | | | | | | | | | | | | | | | | X | | X | | | | | | | | 8 | |
| C-cell, Carcinoma | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | |
| Follicular Cell, Adenoma | | | | | | | | | | | | | X | | | | | | | | | | | | | 1 | |
| GENERAL BODY SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Peritoneum | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Tunica Vaginalis, Mesothelioma Malignant | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| GENITAL SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Epididymis | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

Experiment Number: 10119 - 01
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Furan
 CAS Number: 110-00-9

Date Report Requested: 06/03/2014
 Time Report Requested: 08:42:42
 First Dose M/F: 09/07/09 / NA
 Lab: NCTR

| FISCHER 344 RATS-NCTR RATS
MALE
0.44 Furan 104wk | DAY ON TEST | | | | | | | | | | | | | | | | | | | | * TOTALS | | | |
|--|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------|-------|-------|-------|
| | 0728 | 0728 | 0722 | 0720 | 0722 | 0725 | 0728 | 0726 | 0727 | 0728 | 0727 | 0726 | 0724 | 0727 | 0725 | 0725 | 0727 | 0724 | 0726 | 0725 | | 0727 | 0725 | 0727 |
| ANIMAL ID | 019221 | 02241 | 02244 | 02256 | 02272 | 02277 | 02271 | 02266 | 02266 | 02222 | 02222 | 02222 | 02222 | 02222 | 02255 | 02255 | 02233 | 02233 | 02244 | 02255 | 02233 | 02233 | 02233 | 02234 |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Mesothelioma Malignant | | | | | | | | | X | | | | | | | | | | | | | | | 2 |
| Preputial Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 |
| Adenoma | | X | | | X | | | | | | X | X | | | | | | X | | | | | | 6 |
| Carcinoma | | | | | | | | | | X | | | X | | | | | | X | | | | | 4 |
| Leukemia Mononuclear | | | | | | | X | | | X | | | | | | | | X | | | | | | 3 |
| Prostate | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 |
| Adenoma | | | | | X | | | | | | | | | X | | | | | | | | | | 3 |
| Leukemia Mononuclear | | | | | | | | | | X | | | | | | | | | | | | X | | 3 |
| Mesothelioma Malignant | | | | | | | | | X | | | | | | | | | | | | | | | 1 |
| Seminal Vesicle | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 46 |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | 2 |
| Mesothelioma Malignant | | | | | | | | | X | | | | | | | | | | | | | | | 1 |
| Testes | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 |
| Mesothelioma Malignant | | | | | | | | | X | | | | | | | | | | | | | | | 2 |
| Bilateral, Interstitial Cell, Adenoma | X | | | | X | | X | X | X | | X | | | X | | | X | X | | | | X | | 13 |
| Interstitial Cell, Adenoma | | X | X | X | | | | | X | | | X | | X | | | X | | X | | X | | X | 15 |

HEMATOPOIETIC SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | |
|--------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| Bone Marrow | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 |
| Leukemia Mononuclear | | | | | | | X | | | X | | | | | | | X | X | | | X | X | | 9 |
| Lymph Node | + | + | | | | | + | + | | + | + | | | | + | + | + | | | + | + | + | + | 20 |
| Axillary, Leukemia Mononuclear | | | | | | | | | | X | | | | | | | | | | | | | | 2 |
| Cervical, Leukemia Mononuclear | | | | | | | X | | | X | | | | | | | | | | | | | | 3 |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

Experiment Number: 10119 - 01
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Furan
 CAS Number: 110-00-9

Date Report Requested: 06/03/2014
 Time Report Requested: 08:42:42
 First Dose M/F: 09/07/09 / NA
 Lab: NCTR

| FISCHER 344 RATS-NCTR RATS
MALE
0.44 Furan 104wk | DAY ON TEST | | | | | | | | | | | | | | | | | | | | * TOTALS | | | | | | | | |
|--|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------|-------|-------|-------|-------|-------|-------|-------|------|
| | 0728 | 0728 | 0722 | 0720 | 0722 | 0725 | 0728 | 0723 | 0729 | 0728 | 0725 | 0723 | 0728 | 0724 | 0727 | 0725 | 0724 | 0729 | 0727 | 0728 | | 0723 | 0725 | 0720 | 0728 | 0725 | 0721 | 0727 | 0729 |
| ANIMAL ID | 01921 | 02241 | 02242 | 02252 | 02262 | 02271 | 02281 | 02291 | 02301 | 02313 | 02323 | 02333 | 02343 | 02353 | 02363 | 02373 | 02383 | 02393 | 02403 | 02413 | 02423 | 02433 | 02443 | 02453 | 02463 | 02473 | 02483 | 02494 | |
| Lumbar, Leukemia Mononuclear | | | | | | | | | | X | | | | | | | | | | | | | | | | | X | 3 | |
| Mediastinal, Leukemia Mononuclear | | | | | | | X | | | X | | | | | | | | | | | | | | | X | | | | 4 |
| Pancreatic, Leukemia Mononuclear | | | | | | | X | | | X | | | | | | | | | | | | | | | | X | X | | 5 |
| Renal, Leukemia Mononuclear | | | | | | | | | | X | | | | | | | | | | | | | | | | | | | 2 |
| Lymph Node, Mandibular
Leukemia Mononuclear | + | + | + | + | + | + | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 | |
| | | | | | | | X | | | X | | | | | | | | X | | | | | | | X | X | X | 8 | |
| Lymph Node, Mesenteric
Leukemia Mononuclear | + | + | + | + | + | + | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 47 | |
| Mesothelioma Malignant | | | | | | | X | | | X | | | | | | | | X | | X | | | | | X | X | X | 10 | |
| | | | | | | | | | | X | | | | | | | | | | | | | | | | | | 1 | |
| Spleen
Leukemia Mononuclear | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 | |
| Mesothelioma Malignant | X | X | | X | X | | X | | | X | | X | | | | | | X | | X | | | | | X | X | X | 18 | |
| | | | | | | | | | | X | | | | | | | | | | | | | | | | | | 1 | |
| Thymus
Leukemia Mononuclear | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 | |
| | | | | | | | | | | X | | | | | | | | | | | | | | | | | | 3 | |
| INTEGUMENTARY SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mammary Gland
Adenocarcinoma | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Adenoma | | | | | | | | | | | | | | | | | | | | | | | | | X | | | 1 | |
| Fibroadenoma | | | | | | | | | | | | | | | | | | X | | | | | | | X | | X | 4 | |
| Skin
Basal Cell Adenoma | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Leukemia Mononuclear | | | | | | | | | | X | | | | | | | | | | | | | | | | | | 1 | |
| Squamous Cell Papilloma | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

Experiment Number: 10119 - 01
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Furan
 CAS Number: 110-00-9

Date Report Requested: 06/03/2014
 Time Report Requested: 08:42:42
 First Dose M/F: 09/07/09 / NA
 Lab: NCTR

| DAY ON TEST | FISCHER 344 RATS-NCTR RATS MALE | | | | | | | | | | | | | | | | | | | | | | | | ANIMAL ID | * TOTALS | |
|------------------|---------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-----------|----------|-------|
| | 0728 | 0728 | 0722 | 0720 | 0722 | 0725 | 0722 | 0721 | 0722 | 0725 | 0723 | 0728 | 0721 | 0728 | 0725 | 0724 | 0722 | 0729 | 0721 | 0725 | 0723 | 0720 | 0728 | 0725 | | | 0721 |
| 0.44 Furan 104wk | 01921 | 02241 | 02244 | 02256 | 02276 | 02271 | 02261 | 02266 | 02222 | 02222 | 02244 | 02255 | 02266 | 02277 | 02211 | 02222 | 02233 | 02233 | 02233 | 02233 | 02233 | 02233 | 02233 | 02233 | 02233 | 02233 | 02233 |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|------------------------------|--|--|--|--|--|--|--|---|--|--|---|--|--|--|--|--|--|---|--|--|--|--|--|--|--|--|--|---|---|
| Dermis, Fibroma | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | |
| Subcutaneous Tissue, Fibroma | | | | | | | | | | | X | | | | | | | X | | | | | | | | | | | 2 |
| Subcutaneous Tissue, Sarcoma | | | | | | | | X | | | | | | | | | | | | | | | | | | | | | 1 |

MUSCULOSKELETAL SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|---|
| Bone, Femur | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Skeletal Muscle | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Mesothelioma Malignant | | | | | | | | | | | X | | | | | | | | | | | | | | | | | | 1 |

NERVOUS SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| Brain, Brain Stem | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | | | X | | 1 |
| Brain, Cerebellum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Brain, Cerebrum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |

RESPIRATORY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|---|
| Lung | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Alveolar/Bronchiolar Adenoma | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Alveolar/Bronchiolar Carcinoma | | | | | | | | | | | | | | X | | | | X | | | | | | | | | | 2 | |
| Leukemia Mononuclear | X | | | X | | | X | | | X | | | | | | | | X | | X | | | X | X | X | | | 14 | |
| Nose | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 | |
| Trachea | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

Experiment Number: 10119 - 01
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Furan
 CAS Number: 110-00-9

Date Report Requested: 06/03/2014
 Time Report Requested: 08:42:42
 First Dose M/F: 09/07/09 / NA
 Lab: NCTR

| | | DAY ON TEST | | | | | | | | | | | | | | | | | | | | * TOTALS | | | | |
|--|-----------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----------|---|---|---|---|
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 | | |
| FISCHER 344 RATS-NCTR RATS MALE | | 7 | 7 | 7 | 7 | 7 | 5 | 7 | 6 | 7 | 7 | 6 | 7 | 4 | 7 | 5 | 5 | 7 | 4 | 6 | 5 | 6 | 5 | 5 | 7 | 7 |
| | | 8 | 8 | 2 | 2 | 0 | 2 | 5 | 2 | 1 | 2 | 2 | 6 | 2 | 7 | 2 | 9 | 4 | 2 | 9 | 7 | 8 | 7 | 5 | 0 | 1 |
| 0.44 Furan 104wk | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | ANIMAL ID | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 |
| | | 9 | 2 | 2 | 2 | 2 | 2 | 2 | 6 | 6 | 2 | 2 | 2 | 2 | 2 | 2 | 5 | 5 | 5 | 9 | 9 | 9 | 9 | 9 | 9 | 2 |
| | | 2 | 4 | 4 | 4 | 5 | 6 | 7 | 7 | 1 | 2 | 2 | 4 | 4 | 5 | 6 | 7 | 1 | 2 | 3 | 4 | 4 | 4 | 5 | 6 | 7 |
| | | 1 | 1 | 2 | 2 | 2 | 1 | 2 | 1 | 1 | 4 | 2 | 1 | 2 | 2 | 2 | 2 | 1 | 2 | 1 | 1 | 2 | 1 | 1 | 1 | 1 |

SPECIAL SENSES SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| Eye | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 45 |
| Harderian Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 |
| Zymbal's Gland | | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Squamous Cell Carcinoma | | | | | | | | | | | | | | | | | | | | | | | | | | 1 |

URINARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|------------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| Kidney | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 |
| Leukemia Mononuclear | | | | | | | | | | X | | | | | | | | | X | | | | | X | | 6 |
| Urinary Bladder | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| Leukemia Mononuclear | | | | | | | | | | X | | | | | | | | | | | | | | | | 3 |
| Mesothelioma Malignant | | | | | | | | | X | | | | | | | | | | | | | | | | | 1 |
| Transitional Epithelium, Papilloma | | | | | | | | | | | | | | | | | | | | | | | | | | 1 |

SYSTEMIC LESIONS

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| Multiple Organ | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Leukemia Mononuclear | X | X | | X | X | | X | | X | | X | | X | | X | | X | | X | | X | X | X | | | 18 |
| Mesothelioma Malignant | | | | | | | | | X | | | | | | | | | | | | | | | | | 2 |
| Mesothelioma Nos | | | | X | | | | | | | | | | | | | | | | | | | | | | 1 |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

Experiment Number: 10119 - 01
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Furan
 CAS Number: 110-00-9

Date Report Requested: 06/03/2014
 Time Report Requested: 08:42:42
 First Dose M/F: 09/07/09 / NA
 Lab: NCTR

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| FISCHER 344 RATS-NCTR RATS MALE
0.92 Furan 104wk | DAY ON TEST | 0626 | 0729 | 0577 | 0728 | 0542 | 0640 | 0479 | 0670 | 0522 | 0711 | 0620 | 0528 | 0660 | 0768 | 0664 | 0527 | 0757 | 0666 | 0729 | 0570 | 0673 | 0568 | 0729 | 0669 | 0570 | 0673 | 0568 |
| | ANIMAL ID | 0012 | 0013 | 0014 | 0015 | 0016 | 0017 | 0018 | 0019 | 0020 | 0021 | 0022 | 0023 | 0024 | 0025 | 0026 | 0027 | 0028 | 0029 | 0030 | 0031 | 0032 | 0033 | 0034 | 0035 | 0036 | 0037 | 0038 |

males
(cont...)

ALIMENTARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Esophagus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Large, Cecum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Large, Colon | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Large, Rectum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Small, Duodenum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Small, Ileum | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Small, Jejunum
Leiomyosarcoma | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Liver | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Hepatocellular Adenoma | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Leiomyosarcoma, Metastatic, Intestine Small,
Jejunum | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Leukemia Mononuclear | | | | | X | | | X | | X | | | | X | X | X | X | | X | X | X | | X | X | X | | X | X | X |
| Sarcoma, Metastatic, Skin | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mesentery | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Leiomyosarcoma, Metastatic, Intestine Small,
Jejunum | | | | | + | + | + | | + | | + | + | | | | | | | | | | | | | | | | | |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mesothelioma Malignant | | | | | X | | | | | | | | | | | | | | | | | | | | | | | | |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

Experiment Number: 10119 - 01
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Furan
 CAS Number: 110-00-9

Date Report Requested: 06/03/2014
 Time Report Requested: 08:42:42
 First Dose M/F: 09/07/09 / NA
 Lab: NCTR

| FISCHER 344 RATS-NCTR RATS
MALE
0.92 Furan 104wk | DAY ON TEST | | | | | | | | | | | | | | | | | | | | ANIMAL ID | males
(cont...) | | | |
|--|-------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-----------|--------------------|--------|--------|------|
| | 0626 | 0729 | 0577 | 0728 | 0542 | 0650 | 0479 | 0760 | 0720 | 0612 | 0578 | 0628 | 0650 | 0728 | 0620 | 0688 | 0731 | 0624 | 0577 | 0666 | | | 0729 | 0710 | 0639 |
| | 001121 | 001122 | 001123 | 001124 | 001125 | 001126 | 001127 | 001128 | 001129 | 001130 | 001131 | 001132 | 001133 | 001134 | 001135 | 001136 | 001137 | 001138 | 001139 | 001140 | 001141 | 001142 | 001143 | 001144 | |

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|
| Pancreas | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | |
| Leiomyosarcoma, Metastatic, Intestine Small, Jejunum | | | | | | | | | | | | | | | | | | | | | | | | | X | |
| Leukemia Mononuclear | | | | | | | | | | | | | X | | | | | | | | | | | | X | |
| Acinar Cell, Adenoma | | | | | | | | | | | X | | | | | | | | | | | | X | | | |
| Acinar Cell, Adenoma, Multiple | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Salivary Glands | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | |
| Leukemia Mononuclear | | | | | | | | | | | X | | | | | | | | | | | | | | X | |
| Stomach, Forestomach | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | |
| Leukemia Mononuclear | | | | | | | | | | | X | | | | | | | | | | | | | | | |
| Stomach, Glandular | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | |
| Leukemia Mononuclear | | | | | | | | | | | X | | | | | | | | | | | | | | | |

CARDIOVASCULAR SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|
| Blood Vessel | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | |
| Leukemia Mononuclear | | | | | | | | | | | X | | | | | | | | | | | | | | | |
| Heart | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | |
| Leukemia Mononuclear | | | | | | | | | | | X | | | | X | X | X | | | | X | X | | X | X | |

ENDOCRINE SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|
| Adrenal Cortex | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | |
| Leukemia Mononuclear | | | | | | | | | | | X | | | | X | | X | | | | | | | X | X | |
| Adrenal Medulla | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

Experiment Number: 10119 - 01
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Furan
 CAS Number: 110-00-9

Date Report Requested: 06/03/2014
 Time Report Requested: 08:42:42
 First Dose M/F: 09/07/09 / NA
 Lab: NCTR

| FISCHER 344 RATS-NCTR RATS
MALE
0.92 Furan 104wk | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | ANIMAL ID | males
(cont...) | | | | | |
|--|-------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-----------|--------------------|--------|--------|--------|--------|------|
| | 0626 | 0729 | 0577 | 0728 | 0542 | 0650 | 0477 | 0769 | 0062 | 0061 | 0072 | 0088 | 0066 | 0058 | 0060 | 0078 | 0066 | 0057 | 0075 | 0066 | 0072 | 0059 | 0077 | 0066 | | | 0077 | 0065 | 0076 | 0068 | 0079 |
| | 001221 | 001122 | 001132 | 001142 | 001152 | 001162 | 001172 | 001182 | 001192 | 001202 | 001212 | 001222 | 001232 | 001242 | 001252 | 001262 | 001272 | 001282 | 001292 | 001302 | 001312 | 001322 | 001332 | 001342 | 001352 | 001362 | 001372 | 001382 | 001392 | 001402 | |

Leukemia Mononuclear
 Pheochromocytoma Benign
 Pheochromocytoma Malignant
 Bilateral, Pheochromocytoma Benign

X
 X X
 X

Islets, Pancreatic
 Adenoma
 Leukemia Mononuclear

+
 X
 X

Parathyroid Gland

+ +

Pituitary Gland
 Leukemia Mononuclear
 Pars Distalis, Adenoma
 Pars Distalis, Carcinoma

+
 X
 X
 X

Thyroid Gland
 C-cell, Adenoma
 Follicular Cell, Carcinoma

+
 X

GENERAL BODY SYSTEM

Peritoneum
 Tunica Vaginalis, Mesothelioma Malignant

+
 X

Tissue NOS
 Leukemia Mononuclear

GENITAL SYSTEM

Epididymis +

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue
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 Furan
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 First Dose M/F: 09/07/09 / NA
 Lab: NCTR

| FISCHER 344 RATS-NCTR RATS
MALE
0.92 Furan 104wk | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | | ANIMAL ID | males
(cont...) |
|--|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-----------|--------------------|
| | 0626 | 0729 | 0577 | 0728 | 0542 | 0650 | 0479 | 0760 | 0621 | 0512 | 0768 | 0656 | 0528 | 0760 | 0678 | 0561 | 0744 | 0578 | 0667 | 0756 | 0566 | 0729 | 0710 | 0639 | 0564 | | |
| | 00121 | 00122 | 00134 | 00142 | 00151 | 00166 | 00178 | 00199 | 00208 | 00211 | 00277 | 00288 | 00300 | 00311 | 00378 | 00388 | 00400 | 00411 | 00478 | 00488 | 00500 | 00511 | 00578 | 00588 | 00600 | 00612 | |

Mesothelioma Malignant

X

Preputial Gland

+ +

Adenoma

X

Carcinoma

X

X

X

Leukemia Mononuclear

X

X

Sarcoma, Metastatic, Skin

Squamous Cell Carcinoma

X

X

Prostate

+ +

Adenoma

X

Leukemia Mononuclear

X

X

X

Seminal Vesicle

+ +

Leukemia Mononuclear

X

X

Testes

+ +

Mesothelioma Malignant

X

Bilateral, Interstitial Cell, Adenoma

X

X

X

X

X

Interstitial Cell, Adenoma

X

X

X

X

HEMATOPOIETIC SYSTEM

Bone Marrow

+ +

Leukemia Mononuclear

X

X

X

X

X

X

Lymph Node

+ +

Axillary, Leukemia Mononuclear

X

X

Cervical, Leukemia Mononuclear

X

Hepatic, Leukemia Mononuclear

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

Experiment Number: 10119 - 01
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/F 344/NCTR

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 Furan
 CAS Number: 110-00-9

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 Time Report Requested: 08:42:42
 First Dose M/F: 09/07/09 / NA
 Lab: NCTR

| FISCHER 344 RATS-NCTR RATS
MALE
0.92 Furan 104wk | DAY ON TEST | | | | | | | | | | | | | | | | | | | | ANIMAL ID | males
(cont...) | | | | | |
|---|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----------|--------------------|------|------|------|------|------|
| | 0626 | 0729 | 0577 | 0728 | 0542 | 0650 | 0477 | 0729 | 0610 | 0572 | 0711 | 0622 | 0588 | 0620 | 0728 | 0631 | 0624 | 0577 | 0677 | 0666 | | | 0729 | 0710 | 0639 | 0570 | 0639 |
| Lumbar, Leukemia Mononuclear | | | | | | | | | X | | | | | | X | | | | | | | | | | X | X | |
| Mediastinal, Leukemia Mononuclear | | | | | | | | | X | | | | | | X | X | | | | | | | | X | X | X | |
| Pancreatic, Leukemia Mononuclear | | | | | | | | | | | | | | | X | X | X | | | X | X | | | | X | | |
| Popliteal, Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | | | X | |
| Renal, Leukemia Mononuclear | | | | | | | | | X | | | | | | X | X | | | | | | | | | X | X | |
| Lymph Node, Mandibular
Leukemia Mononuclear | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| | | | | | | | | | X | | | | | | X | X | X | | | | X | | | | X | X | |
| Lymph Node, Mesenteric
Leukemia Mononuclear | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| | | | | | | | | | X | | | | | | X | X | X | | | X | X | | | | X | X | |
| Spleen
Leiomyosarcoma, Metastatic, Intestine Small,
Jejunum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| | | | | | | | | | | | | | | | | | X | | | | | | | | | | |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | X | X | X | X | | X | X | X | | X | |
| Mesothelioma Malignant | | | | | | | | | | | | | | | | | | | | | | | | | | X | |
| Thymus
Leukemia Mononuclear | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| | | | | | | | | | X | | | | | | | X | | | | | | | | | X | X | |
| INTEGUMENTARY SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mammary Gland
Fibroadenoma
Leukemia Mononuclear | + | M | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | X |
| Skin
Basal Cell Adenoma
Dermis, Fibroma | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | X |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

Experiment Number: 10119 - 01
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Furan
 CAS Number: 110-00-9

Date Report Requested: 06/03/2014
 Time Report Requested: 08:42:42
 First Dose M/F: 09/07/09 / NA
 Lab: NCTR

| | | DAY ON TEST | | | | | | | | | | | | | | | | | | | | males
(cont...) | | | |
|-----------------------------------|--|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|--------------------|------|------|----|
| FISCHER 344 RATS-NCTR RATS MALE | | 06 | 07 | 05 | 07 | 05 | 06 | 04 | 07 | 06 | 05 | 07 | 06 | 05 | 06 | 07 | 06 | 05 | 07 | 06 | 05 | | 07 | 06 | 05 |
| 0.92 Furan 104wk | | 26 | 22 | 27 | 22 | 24 | 25 | 27 | 22 | 21 | 21 | 22 | 20 | 22 | 22 | 23 | 22 | 20 | 22 | 27 | 27 | | 26 | 27 | 28 |
| ANIMAL ID | | 0011 | 0012 | 0013 | 0014 | 0015 | 0016 | 0017 | 0018 | 0019 | 0020 | 0021 | 0022 | 0023 | 0024 | 0025 | 0026 | 0027 | 0028 | 0029 | 0030 | 0031 | 0032 | 0033 | |
| Subcutaneous Tissue, Fibrosarcoma | | | X | | | | | | | | | | | | | | | | | | | | | | |
| Subcutaneous Tissue, Lipoma | | | | | | | | | | | | | | | | | | | | | | | | | |
| Subcutaneous Tissue, Sarcoma | | | | | | | | | | | | | | | | | | | | | | | | | |

MUSCULOSKELETAL SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | |
|------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Bone, Femur | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Skeletal Muscle | | | | | + | | | | | | | | | | | | | | | | | | | |
| Mesothelioma Malignant | | | | | X | | | | | | | | | | | | | | | | | | | |

NERVOUS SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | |
|--------------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Brain | | | | | | | | | | | | | | | | | | | | | | | | |
| Meninges, Granular Cell Tumor Benign | | | | | | | | | | | | | | | | | | | | | | + | | |
| Brain, Brain Stem | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | X | |
| Brain, Cerebellum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Leukemia Mononuclear | | | | | | | | | X | | | | | | | | | | | | | X | | |
| Brain, Cerebrum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Leukemia Mononuclear | | | | | | | | | X | | | | | | | | | | | | | X | | |

RESPIRATORY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lung | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Leukemia Mononuclear | | | | | | | | | X | | | | | | | X | X | X | | | | X | X | X |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
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Test Type: CHRONIC
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Species/Strain: RATS/F 344/NCTR

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Furan
CAS Number: 110-00-9

Date Report Requested: 06/03/2014
Time Report Requested: 08:42:42
First Dose M/F: 09/07/09 / NA
Lab: NCTR

| DAY ON TEST | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|--|-------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| FISCHER 344 RATS-NCTR RATS MALE | 0.92 Furan 104wk | 6 | 7 | 5 | 7 | 5 | 6 | 4 | 7 | 6 | 5 | 7 | 6 | 5 | 6 | 7 | 6 | 5 | 7 | 5 | 6 | 7 | 7 | 6 | 5 | 6 | 5 |
| | | 2 | 2 | 7 | 2 | 4 | 5 | 7 | 2 | 1 | 1 | 2 | 0 | 2 | 2 | 3 | 2 | 0 | 2 | 7 | 6 | 2 | 1 | 3 | 8 | 8 | 4 |
| ANIMAL ID | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | 1 | 1 | 1 | 1 | 1 | 6 | 6 | 6 | 7 | 7 | 7 | 8 | 8 | 8 | 0 | 8 | 8 | 8 | 8 | 8 | 2 | 2 | 2 | 2 | 2 | 2 |
| | | 2 | 2 | 3 | 4 | 5 | 7 | 8 | 9 | 0 | 8 | 9 | 0 | 1 | 6 | 5 | 6 | 7 | 8 | 8 | 0 | 1 | 2 | 2 | 2 | 2 | 2 |
| | | 1 | 2 | 2 | 2 | 1 | 1 | 1 | 1 | 2 | 1 | 1 | 2 | 2 | 1 | 1 | 1 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | |

males
(cont...)

Nose +
Trachea +

SPECIAL SENSES SYSTEM

Eye +
Harderian Gland +

Zymbal's Gland
Carcinoma

URINARY SYSTEM

Kidney +
Leukemia Mononuclear X X X X X X X X X X X X X X X X X X
Urinary Bladder +
Leukemia Mononuclear X X X X X X X X X X X X X X X X X X

SYSTEMIC LESIONS

Multiple Organ +
Leukemia Mononuclear X X X X X X X X X X X X X X X X X X
Mesothelioma Malignant X X X X X X X X X X X X X X X X X X

* .. Total animals with tissue examined microscopically; Total animals with tumor
+ .. Tissue examined microscopically
X .. Lesion present
I .. Insufficient tissue

M .. Missing tissue
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 Furan
 CAS Number: 110-00-9

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

| FISCHER 344 RATS-NCTR RATS
MALE
0.92 Furan 104wk | DAY ON TEST | | | | | | | | | | | | | | | | | | | | * TOTALS | | | | | | | | |
|--|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------|------|------|------|------|------|------|------|------|
| | 0711 | 0052 | 0072 | 0063 | 0005 | 0072 | 0077 | 0066 | 0044 | 0076 | 0066 | 0055 | 0066 | 0066 | 0055 | 0055 | 0077 | 0055 | 0066 | 0077 | | 0066 | 0055 | 0066 | 0077 | 0055 | 0066 | 0077 | 0055 |
| ANIMAL ID | 0240 | 0244 | 0244 | 0244 | 0244 | 0245 | 0245 | 0245 | 0244 | 0244 | 0244 | 0245 | 0245 | 0249 | 0245 | 0249 | 0249 | 0249 | 0240 | 0240 | 0244 | 0244 | 0244 | 0240 | 0240 | 0245 | 0245 | 0241 | 0242 |

ALIMENTARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|----|
| Esophagus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Intestine Large, Cecum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Intestine Large, Colon | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Intestine Large, Rectum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Intestine Small, Duodenum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Intestine Small, Ileum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 |
| Intestine Small, Jejunum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Leiomyosarcoma | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Liver | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Hepatocellular Adenoma | | | | | | X | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Leiomyosarcoma, Metastatic, Intestine Small, Jejunum | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Leukemia Mononuclear | X | | X | X | | X | | X | | X | X | | X | | | | X | X | | X | X | | X | | | | | | | 27 |
| Sarcoma, Metastatic, Skin | | | | | | | | | | | X | | | | | | | | | | | | | | | | | | | 1 |
| Mesentery | | | + | | | | | + | | | | | | | | | | + | + | | M | | | | + | | | | 14 | |
| Leiomyosarcoma, Metastatic, Intestine Small, Jejunum | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Mesothelioma Malignant | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

Experiment Number: 10119 - 01
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Furan
 CAS Number: 110-00-9

Date Report Requested: 06/03/2014
 Time Report Requested: 08:42:42
 First Dose M/F: 09/07/09 / NA
 Lab: NCTR

| FISCHER 344 RATS-NCTR RATS
MALE
0.92 Furan 104wk | DAY ON TEST | | | | | | | | | | | | | | | | | | | | * TOTALS | | | | | | | | |
|--|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------|------|------|------|------|------|------|------|------|
| | 0711 | 0052 | 0078 | 0063 | 0005 | 0072 | 0078 | 0064 | 0047 | 0066 | 0055 | 0062 | 0066 | 0055 | 0054 | 0072 | 0055 | 0066 | 0072 | 0022 | | 0066 | 0075 | 0056 | 0073 | 0053 | 0064 | 0071 | 0053 |
| ANIMAL ID | 0240 | 0244 | 0244 | 0244 | 0244 | 0245 | 0245 | 0245 | 0245 | 0245 | 0245 | 0245 | 0245 | 0245 | 0245 | 0245 | 0245 | 0245 | 0245 | 0245 | 0245 | 0245 | 0245 | 0245 | 0245 | 0245 | 0245 | 0245 | 0245 |
| Pancreas | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Leiomyosarcoma, Metastatic, Intestine Small, Jejunum | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Leukemia Mononuclear | X | | | | | X | | | | | | | | | | | | | | | | | | | | | X | | 5 |
| Acinar Cell, Adenoma | | | | | | X | | | | | | | | | | | X | | | | | | | | | X | | | 5 |
| Acinar Cell, Adenoma, Multiple | | | | | | | | | | | X | | | | | | | | | | | | | | | | | | 1 |
| Salivary Glands | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 |
| Stomach, Forestomach | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Stomach, Glandular | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| CARDIOVASCULAR SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Blood Vessel | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | | | | X | | 2 |
| Heart | + | + | + | + | + | X | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Leukemia Mononuclear | X | | | | | X | | X | | | | | | | | | X | | | | X | | | | X | X | | X | 17 |
| ENDOCRINE SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Adrenal Cortex | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Leukemia Mononuclear | X | | | | | | | | | | | | | | | | | | | | | | | | | | X | | 7 |
| Adrenal Medulla | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

Experiment Number: 10119 - 01
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Furan

CAS Number: 110-00-9

Date Report Requested: 06/03/2014

Time Report Requested: 08:42:42

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

Lab: NCTR

| FISCHER 344 RATS-NCTR RATS
MALE
0.92 Furan 104wk | DAY ON TEST | | | | | | | | | | | | | | | | | | | | * TOTALS | | | | | |
|--|-------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|----------|--------|--------|--------|------|--|
| | 0711 | 0052 | 0072 | 0063 | 0005 | 0072 | 0077 | 0066 | 0044 | 0076 | 0066 | 0055 | 0066 | 0066 | 0055 | 0055 | 0077 | 0055 | 0066 | 0077 | | 0067 | 0055 | 0066 | 0063 | |
| ANIMAL ID | 024001 | 024402 | 024404 | 024404 | 024404 | 024505 | 024505 | 024505 | 024707 | 024707 | 024708 | 024708 | 024708 | 024708 | 024708 | 024708 | 024708 | 024708 | 024708 | 024708 | 024708 | 024708 | 024708 | 024708 | | |
| Leukemia Mononuclear | X | | | | | | | | | | | | | | | | | | | | X | X | | | 6 | |
| Pheochromocytoma Benign | | | | X | | | X | | | X | | | | X | | | | | | | | | | | 6 | |
| Pheochromocytoma Malignant | | | X | | | | | | | | | | | | | | | | | | | | | | 2 | |
| Bilateral, Pheochromocytoma Benign | | | | | | | | | | | X | | | | | | X | | | | X | | X | | 5 | |
| Islets, Pancreatic | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | | |
| Adenoma | | | | | | | | X | | X | | | | | | | | | | | X | | | 5 | | |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| Parathyroid Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | | |
| Pituitary Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | | |
| Leukemia Mononuclear | X | | | | | | | | | | | | | | | | | | | | X | X | | 6 | | |
| Pars Distalis, Adenoma | X | | X | | | X | X | | | X | X | | | X | X | | X | X | | X | X | X | X | 32 | | |
| Pars Distalis, Carcinoma | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| Thyroid Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | | |
| C-cell, Adenoma | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| Follicular Cell, Carcinoma | | | | | | | X | | | | | | | | | | | | | | | | | 1 | | |
| GENERAL BODY SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Peritoneum | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| Tunica Vaginalis, Mesothelioma Malignant | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| Tissue NOS | | | | | + | | | | | | | + | | | | | | | | | + | | | 3 | | |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | X | | | 1 | | |
| GENITAL SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Epididymis | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | | |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

Experiment Number: 10119 - 01
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Furan
 CAS Number: 110-00-9

Date Report Requested: 06/03/2014
 Time Report Requested: 08:42:42
 First Dose M/F: 09/07/09 / NA
 Lab: NCTR

| FISCHER 344 RATS-NCTR RATS
MALE
0.92 Furan 104wk | DAY ON TEST | | | | | | | | | | | | | | | | | | | | * TOTALS | | | | | | | | | | |
|--|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------|------|------|------|------|------|------|------|------|----|----|
| | 0711 | 0052 | 0072 | 0063 | 0005 | 0072 | 0077 | 0066 | 0044 | 0076 | 0066 | 0055 | 0066 | 0066 | 0055 | 0055 | 0077 | 0055 | 0066 | 0077 | | 0026 | 0026 | 0066 | 0077 | 0055 | 0066 | 0033 | 0033 | | |
| ANIMAL ID | 0240 | 0024 | 0024 | 0024 | 0024 | 0025 | 0025 | 0025 | 0034 | 0034 | 0034 | 0034 | 0034 | 0035 | 0035 | 0039 | 0039 | 0039 | 0039 | 0040 | 0040 | 0040 | 0040 | 0040 | 0040 | 0045 | 0045 | 0045 | | | |
| Mesothelioma Malignant | | | | | | | | | | | | | | | | | | | | | | | | | | | | | X | 2 | |
| Preputial Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Adenoma | | | | | | | | | | | | | | | | | | | | | | | | | | | | | X | 3 | |
| Carcinoma | | | | | | | | | | | | | | | | | | | | | | | | | | | | | X | 5 | |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | |
| Sarcoma, Metastatic, Skin | | | | | | | | | | | | | | | | | | | | | | | | | | | | | X | 1 | |
| Squamous Cell Carcinoma | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | |
| Prostate | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Adenoma | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | | | | | | X | 4 | |
| Seminal Vesicle | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Leukemia Mononuclear | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 3 | |
| Testes | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Mesothelioma Malignant | | | | | | | | | | | | | | | | | | | | | | | | | | | | | X | 2 | |
| Bilateral, Interstitial Cell, Adenoma | | | | | | | | | | | | | | | | | | | | | | | | | | | | | X | 9 | |
| Interstitial Cell, Adenoma | X | | | | | | | | | | | | | | | | | | | | | | | | | | | X | 10 | | |
| HEMATOPOIETIC SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bone Marrow | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Leukemia Mononuclear | X | | X | X | | X | | X | | X | X | | | | | | | | | | | | | | | | | X | 17 | | |
| Lymph Node | + | | + | + | | + | + | + | | | | | | | | | | | | | | | | | | | | | + | + | 26 |
| Axillary, Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | |
| Cervical, Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | |
| Hepatic, Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | | | | | X | | 1 | |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

Experiment Number: 10119 - 01
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Furan

CAS Number: 110-00-9

Date Report Requested: 06/03/2014
 Time Report Requested: 08:42:42
 First Dose M/F: 09/07/09 / NA
 Lab: NCTR

| FISCHER 344 RATS-NCTR RATS
MALE
0.92 Furan 104wk | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | * TOTALS | | | | | | | |
|---|-------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|----------|--------|--------|--------|--------|--------|-----------|-----------------------------------|
| | 0711 | 0052 | 0072 | 0063 | 0005 | 0072 | 0077 | 0066 | 0044 | 0076 | 0066 | 0055 | 0066 | 0066 | 0055 | 0055 | 0077 | 0055 | 0066 | 0077 | 0022 | | 0066 | 0077 | 0055 | 0066 | 0077 | 0055 | 0066 |
| ANIMAL ID | 0240 | 0240 | 0240 | 0240 | 0240 | 0240 | 0240 | 0240 | 0240 | 0240 | 0240 | 0240 | 0240 | 0240 | 0240 | 0240 | 0240 | 0240 | 0240 | 0240 | 0240 | 0240 | 0240 | 0240 | 0240 | 0240 | 0240 | 0240 | 0240 |
| Lumbar, Leukemia Mononuclear | | | | | | X | | | | X | | | | | X | | | | | | | | | | | | X | 8 | |
| Mediastinal, Leukemia Mononuclear | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | 7 |
| Pancreatic, Leukemia Mononuclear | X | | | X | | | | | | X | | | | | | | | | | | | | | | | | X | 10 | |
| Popliteal, Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Renal, Leukemia Mononuclear | X | | | | | | | | | X | | | | | | | | | | | | | | | | | X | 8 | |
| Lymph Node, Mandibular
Leukemia Mononuclear | +
X | +
X | +
X | +
X | +
X | +
X | +
X | +
X | +
X | +
X | +
X | +
X | +
X | +
X | +
X | +
X | +
X | +
X | +
X | +
X | +
X | +
X | +
X | +
X | +
X | +
X | +
X | +
X | 50
16 |
| Lymph Node, Mesenteric
Leukemia Mononuclear | +
X | +
X | +
X | +
X | +
X | +
X | +
X | +
X | +
X | +
X | +
X | +
X | +
X | +
X | +
X | +
X | +
X | +
X | +
X | +
X | +
X | +
X | +
X | +
X | +
X | +
X | +
X | +
X | 50
18 |
| Spleen
Leiomyosarcoma, Metastatic, Intestine Small,
Jejunum | +
X | +
X | +
X | +
X | +
X | +
X | +
X | +
X | +
X | +
X | +
X | +
X | +
X | +
X | +
X | +
X | +
X | +
X | +
X | +
X | +
X | +
X | +
X | +
X | +
X | +
X | +
X | +
X | 50
1 |
| Leukemia Mononuclear
Mesothelioma Malignant | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | X | 27 | 1 |
| Thymus
Leukemia Mononuclear | +
X | +
X | +
X | +
X | +
X | +
X | +
X | +
X | +
X | +
X | +
X | +
X | +
X | +
X | +
X | +
X | +
X | +
X | +
X | +
X | +
X | +
X | +
X | +
X | +
X | +
X | +
X | +
X | 50
7 |
| INTEGUMENTARY SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mammary Gland
Fibroadenoma
Leukemia Mononuclear | +
X | +
X | +
X | +
X | +
X | +
X | +
X | +
X | +
X | +
X | +
X | +
X | +
X | +
X | +
X | +
X | +
X | +
X | +
X | +
X | +
X | +
X | +
X | +
X | +
X | +
X | +
X | +
X | 48
1
2 |
| Skin
Basal Cell Adenoma
Dermis, Fibroma | +
X | +
X | +
X | +
X | +
X | +
X | +
X | +
X | +
X | +
X | +
X | +
X | +
X | +
X | +
X | +
X | +
X | +
X | +
X | +
X | +
X | +
X | +
X | +
X | +
X | +
X | +
X | +
X | 50
1
1 |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

Experiment Number: 10119 - 01
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Furan
 CAS Number: 110-00-9

Date Report Requested: 06/03/2014
 Time Report Requested: 08:42:42
 First Dose M/F: 09/07/09 / NA
 Lab: NCTR

| DAY ON TEST | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | |
|--------------------------------------|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------------|---|---|---|---|---|-----------|-----------|----------|
| FISCHER 344 RATS-NCTR RATS MALE | | 7 | 0 | 7 | 6 | 0 | 7 | 7 | 6 | 4 | 7 | 6 | 5 | 6 | 6 | 5 | 5 | 7 | 5 | 6 | 7 | 2 | 2 | 6 | 7 | 5 | 6 | 7 | 5 | 6 | 7 | 6 | | | | |
| 0.92 Furan 104wk | | 1 | 5 | 2 | 3 | 5 | 2 | 2 | 3 | 8 | 2 | 5 | 7 | 2 | 0 | 3 | 4 | 2 | 0 | 8 | 8 | 8 | 5 | 4 | 6 | 1 | 3 | 3 | 3 | 3 | 3 | | | | | |
| ANIMAL ID | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | |
| | | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | | | | | |
| | | 4 | 4 | 4 | 4 | 4 | 5 | 5 | 5 | 4 | 4 | 4 | 4 | 5 | 5 | 9 | 9 | 9 | 9 | 9 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | |
| | | 0 | 0 | 1 | 2 | 3 | 1 | 2 | 2 | 7 | 7 | 8 | 9 | 0 | 0 | 1 | 1 | 2 | 3 | 2 | 3 | 2 | 3 | 4 | 5 | 5 | 1 | 1 | 2 | 2 | 2 | | | | | |
| | | 1 | 2 | 2 | 2 | 1 | 2 | 2 | 2 | 1 | 2 | 1 | 2 | 2 | 2 | 1 | 2 | 2 | 2 | 2 | 2 | 1 | 2 | 2 | 1 | 2 | 2 | 1 | 2 | 2 | 1 | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | * TOTALS | | | | | | | | |
| Subcutaneous Tissue, Fibrosarcoma | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Subcutaneous Tissue, Lipoma | | | | | | | | | | | X | | | | | | | | | | | | | | | | | | | | | | | | 1 | |
| Subcutaneous Tissue, Sarcoma | | | | | | | | | | | | X | | | | | | | | | | | | | | | | | | | | | | | 1 | |
| MUSCULOSKELETAL SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bone, Femur | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Skeletal Muscle | | | | | | | + | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | |
| Mesothelioma Malignant | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | |
| NERVOUS SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Brain | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | |
| Meninges, Granular Cell Tumor Benign | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | |
| Brain, Brain Stem | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | |
| Brain, Cerebellum | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | |
| Brain, Cerebrum | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | |
| RESPIRATORY SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Lung | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Leukemia Mononuclear | | X | | X | X | | X | | X | | | X | | | | X | | | | | X | | | X | | X | X | | X | X | | X | | 20 | | |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

Experiment Number: 10119 - 01
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Furan
 CAS Number: 110-00-9

Date Report Requested: 06/03/2014
 Time Report Requested: 08:42:42
 First Dose M/F: 09/07/09 / NA
 Lab: NCTR

| DAY ON TEST | FISCHER 344 RATS-NCTR RATS MALE | | | | | | | | | | | | | | | | | | | | | | | | ANIMAL ID | males (cont...) |
|----------------|---------------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------------------------------------|-----------------|
| | 0388 | 0527 | 0728 | 0683 | 0667 | 0663 | 0662 | 0587 | 0572 | 0695 | 0676 | 0033 | 0684 | 0663 | 0660 | 0594 | 0672 | 0676 | 0715 | 0576 | 0661 | 0566 | 0499 | 0717 | | |
| 2 Furan 104 wk | 00161 | 0012 | 0071 | 0008 | 0001 | 0004 | 0004 | 0011 | 0002 | 0001 | 0002 | 0004 | 0009 | 0009 | 0009 | 0002 | 0003 | 0005 | 0008 | 0000 | 0001 | 0003 | 0004 | 0002 | 0011161217151112131518192021222324 | males (cont...) |

ALIMENTARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | |
|--------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Esophagus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Large, Cecum | + | + | + | + | + | + | + | + | + | + | A | + | + | + | A | + | + | + | + | + | + | + | + | + |
| Intestine Large, Colon | + | + | + | + | + | + | + | + | + | + | A | + | + | + | A | + | + | + | + | + | + | + | + | + |
| Intestine Large, Rectum | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Small, Duodenum | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Small, Ileum | + | + | + | + | + | + | + | + | + | + | A | + | + | + | A | + | + | + | + | + | + | + | + | + |
| Intestine Small, Jejunum | + | + | + | + | + | + | + | + | + | + | A | + | + | + | A | + | + | + | + | + | + | + | + | + |
| Liver | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Hepatocellular Adenoma | | | | X | | | | X | | | | | | | | | | | X | | | | | |
| Hepatocholangiocarcinoma | | | | | | | | | | | | | | | | | | | X | | | | | |
| Leukemia Mononuclear | | | X | X | | X | | X | X | X | | X | | X | | X | X | X | | X | X | | | X |
| Mesentery | | | | | | + | | | | + | + | | | + | | | | | + | | | | | |
| Leukemia Mononuclear | | | | | | | | | | | X | | | | | | | | | | | | | |
| Pancreas | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Leukemia Mononuclear | | | | | | | | | | | X | | X | | | | | | | | X | | | |
| Acinar Cell, Adenoma | | | | | | | X | | | | | | | | | | | | | X | | | | X |
| Acinar Cell, Adenoma, Multiple | | | X | | | | | | | | | | | | | | | | X | | | | | |
| Salivary Glands | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

Experiment Number: 10119 - 01
 Test Type: CHRONIC
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 Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Furan
 CAS Number: 110-00-9

Date Report Requested: 06/03/2014
 Time Report Requested: 08:42:42
 First Dose M/F: 09/07/09 / NA
 Lab: NCTR

| | | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | | males
(cont...) |
|---------------------------------|-----------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--------------------|
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| FISCHER 344 RATS-NCTR RATS MALE | ANIMAL ID | 8 | 7 | 8 | 3 | 7 | 3 | 2 | 7 | 2 | 5 | 6 | 3 | 4 | 3 | 0 | 9 | 4 | 2 | 2 | 6 | 5 | 6 | 9 | 7 | | |
| 2 Furan 104 wk | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | | |
| | | 1 | 1 | 1 | 1 | 1 | 4 | 4 | 4 | 4 | 9 | 9 | 9 | 9 | 9 | 0 | 5 | 5 | 6 | 6 | 6 | 1 | 1 | 1 | 1 | | |
| | | 6 | 6 | 7 | 8 | 9 | 0 | 1 | 1 | 2 | 3 | 0 | 1 | 2 | 2 | 3 | 5 | 8 | 9 | 0 | 1 | 1 | 3 | 4 | 5 | | |
| | | 1 | 2 | 1 | 2 | 2 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 2 | 2 | 1 | 2 | 2 | 2 | 1 | 2 | 2 | 2 | 2 | 2 | | |

Leukemia Mononuclear

Stomach, Forestomach

Stomach, Glandular
 Leukemia Mononuclear

CARDIOVASCULAR SYSTEM

Blood Vessel

Heart
 Leukemia Mononuclear
 Schwannoma Benign
 Schwannoma Malignant

ENDOCRINE SYSTEM

Adrenal Cortex
 Leukemia Mononuclear

Adrenal Medulla
 Leukemia Mononuclear
 Pheochromocytoma Benign
 Pheochromocytoma Malignant
 Bilateral, Pheochromocytoma Benign

Islets, Pancreatic
 Adenoma
 Carcinoma

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

Experiment Number: 10119 - 01
 Test Type: CHRONIC
 Route: GAVAGE
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 CAS Number: 110-00-9

Date Report Requested: 06/03/2014
 Time Report Requested: 08:42:42
 First Dose M/F: 09/07/09 / NA
 Lab: NCTR

| FISCHER 344 RATS-NCTR RATS
MALE
2 Furan 104 wk | DAY ON TEST | | | | | | | | | | | | | | | | | | | | ANIMAL ID | males
(cont...) | | | | | |
|--|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-----------|--------------------|-------------|-------------|-------------|-------------|--|
| | 0
3
8 | 0
5
8 | 0
7
8 | 0
6
8 | 0
6
6 | 0
6
0 | 0
6
8 | 0
5
7 | 0
5
8 | 0
6
9 | 0
5
6 | 0
0
3 | 0
6
8 | 0
6
7 | 0
6
1 | 0
5
9 | 0
6
0 | 0
7
2 | 0
6
7 | 0
5
7 | | | 0
6
4 | 0
5
0 | 0
4
9 | 0
7
1 | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 001161 | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 001171 | |
| | 1 | 1 | 1 | 1 | 1 | 4 | 4 | 4 | 4 | 4 | 9 | 9 | 9 | 9 | 9 | 9 | 0 | 5 | 5 | 6 | 6 | 6 | 1 | 1 | 1 | 001181 | |
| | 6 | 6 | 7 | 8 | 9 | 0 | 1 | 1 | 2 | 3 | 0 | 0 | 1 | 2 | 2 | 3 | 5 | 8 | 9 | 0 | 0 | 1 | 3 | 4 | 5 | 001191 | |
| | 1 | 2 | 1 | 2 | 2 | 2 | 1 | 2 | | | | | | | | | | | | | | | | | | 002011 | |

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Parathyroid Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Pituitary Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Leukemia Mononuclear
Pars Distalis, Adenoma | | | | | | | | | | X | | | X | | X | | X | X | X | X | X | X | X | X | X |
| Thyroid Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| C-cell, Adenoma | | | | X | | | | | | X | | | | | | | | | X | | | | | | |
| C-cell, Carcinoma | | | | | | | | | | | | | | | X | | | | | | | | | | |
| Follicular Cell, Carcinoma | | | | | | | | X | | | | | | | | | | | | | | | | | |

GENERAL BODY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| Peritoneum | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Tunica Vaginalis, Mesothelioma Malignant | | | | | | | | | | | | | | | | | | | | | | | | | | |

GENITAL SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Epididymis | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mesothelioma Malignant | | | | | | | | | | | | | | | | | | | | | | | | | X |
| Preputial Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Adenoma | | | | | | | | | | | | | | | | | | | | | | | | | |
| Carcinoma | X | | | | | | | | | | | | | | | | | | | | | | | | |
| Leukemia Mononuclear | | | | | | | | | | X | | | X | | X | | | | | | | | | | |
| Squamous Cell Carcinoma | | | | | | | | | | | | | | | X | | X | | X | | | | | | |
| Prostate | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Leukemia Mononuclear | | | | | | | | | | X | | | | | | | | | | | | | | | |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

Experiment Number: 10119 - 01
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Furan
 CAS Number: 110-00-9

Date Report Requested: 06/03/2014
 Time Report Requested: 08:42:42
 First Dose M/F: 09/07/09 / NA
 Lab: NCTR

| FISCHER 344 RATS-NCTR RATS
MALE
2 Furan 104 wk | DAY ON TEST | | | | | | | | | | | | | | | | | | | | ANIMAL ID | males
(cont...) | | | | | | |
|--|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----------|--------------------|------|------|------|------|------|------|
| | 0388 | 0527 | 0728 | 0683 | 0667 | 0663 | 0662 | 0587 | 0558 | 0562 | 0556 | 0063 | 0064 | 0063 | 0060 | 0065 | 0064 | 0067 | 0057 | 0066 | | | 0054 | 0071 | 0069 | 0067 | 0065 | 0064 |
| | 00161 | 0011 | 0011 | 0011 | 0011 | 0014 | 0014 | 0014 | 0014 | 0014 | 0019 | 0019 | 0019 | 0019 | 0019 | 0019 | 0019 | 0019 | 0019 | 0019 | 0019 | 0019 | 0019 | 0019 | 0019 | 0019 | 0019 | 0019 |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Seminal Vesicle | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Leukemia Mononuclear | | | | | | | | | | | X | | | | | | | A | | | | | | | | | | |
| Testes | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mesothelioma Malignant | | | | X | | | X | | | | | | | | | | | | | | | | | | | | | |
| Bilateral, Interstitial Cell, Adenoma | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Interstitial Cell, Adenoma | | | | X | X | X | | | | | | | | | | | | | | | | | | | | | | |

HEMATOPOIETIC SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Bone Marrow | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Leukemia Mononuclear | | | | | | | | | | | X | X | X | | X | | X | | | | X | X | | X | X | | | |
| Lymph Node | | | | + | + | | | + | + | + | | + | + | + | | + | + | + | + | | + | | | | | | | + |
| Axillary, Leukemia Mononuclear | | | | | | | | | | | X | X | | X | | X | | | | | | | | | | | | |
| Cervical, Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Deep Cervical, Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hepatic, Leukemia Mononuclear | | | | | | | | | | | X | | | | | | | | | | | | | | | | | |
| Lumbar, Leukemia Mononuclear | | | | | | | | | | | X | X | X | | X | | X | | | | | | | | | | | |
| Mediastinal, Leukemia Mononuclear | | | | | | | | | | | | X | X | | | | | | | | | | | | | | | |
| Pancreatic, Leukemia Mononuclear | | | | | | | | | | | | X | X | X | | X | | X | | | | | | | | | | X |
| Renal, Leukemia Mononuclear | | | | | | | | | | | | X | X | | | | | | | | | | | | | | | |
| Lymph Node, Mandibular | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Leukemia Mononuclear | | | | | | | | | | | X | X | X | X | | X | | X | | | | | | | | | | |
| Lymph Node, Mesenteric | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Leukemia Mononuclear | | | | | | | | | | | X | X | X | X | | X | | X | | | | | | | | | | |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
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 Lab: NCTR

| FISCHER 344 RATS-NCTR RATS
MALE
2 Furan 104 wk | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | ANIMAL ID | males
(cont...) |
|--|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----------|--------------------|
| | 0388 | 0527 | 0768 | 0666 | 0666 | 0558 | 0557 | 0669 | 0558 | 0669 | 0557 | 0668 | 0556 | 0667 | 0556 | 0665 | 0554 | 0663 | 0552 | 0661 | 0550 | 0660 | 0549 | 0659 | | |
| | 00161 | 0011 | 0011 | 0011 | 0011 | 0014 | 0014 | 0014 | 0014 | 0014 | 0019 | 0019 | 0019 | 0019 | 0019 | 0020 | 0021 | 0021 | 0023 | 0025 | 0028 | 0030 | 0031 | 0032 | | |
| Spleen | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | |
| Hemangiosarcoma | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Leukemia Mononuclear | | | X | | | X | X | X | X | | X | | X | | X | X | X | | X | X | | | | X | | |
| Thymus | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | | | |
| Leukemia Mononuclear | | | | | | | | | X | | X | | | | | | | | | | | | | | | |
| Thymoma Benign | | | | | | | | | | | | | | | | | | | X | | | | | | | |
| INTEGUMENTARY SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mammary Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | |
| Adenoma | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Fibroadenoma | | | | | | | | X | | | | X | | | | | | | | | | | | | | |
| Leukemia Mononuclear | | | | | | | | | | | | X | | | | | | | | | | | | | | |
| Skin | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | |
| Subcutaneous Tissue, Lipoma | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Subcutaneous Tissue, Sarcoma | | | | | | | | | | | | | | | | | | | | | | | | | | |
| MUSCULOSKELETAL SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bone, Femur | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | |
| NERVOUS SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Brain, Brain Stem | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | |
| Brain, Cerebellum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | |
| Leukemia Mononuclear | | | | | | | | | | | | | | X | | | | | | | | | | | | |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

Experiment Number: 10119 - 01
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Furan
 CAS Number: 110-00-9

Date Report Requested: 06/03/2014
 Time Report Requested: 08:42:42
 First Dose M/F: 09/07/09 / NA
 Lab: NCTR

| FISCHER 344 RATS-NCTR RATS
MALE
2 Furan 104 wk | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | ANIMAL ID | males
(cont...) |
|--|-------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-----------|--------------------|
| | 0388 | 0527 | 0768 | 0666 | 0666 | 0666 | 0558 | 0558 | 0666 | 0556 | 0506 | 0666 | 0666 | 0556 | 0666 | 0556 | 0666 | 0768 | 0666 | 0768 | 0556 | 0666 | 0556 | 0479 | | |
| | 001161 | 001161 | 001161 | 001161 | 001161 | 001161 | 001161 | 001161 | 001161 | 001161 | 001161 | 001161 | 001161 | 001161 | 001161 | 001161 | 001161 | 001161 | 001161 | 001161 | 001161 | 001161 | 001161 | 001161 | 001161 | |

Brain, Cerebrum
 Leukemia Mononuclear

+
 X

RESPIRATORY SYSTEM

Lung
 Alveolar/Bronchiolar Carcinoma
 Hepatocholangiocarcinoma, Metastatic, Liver
 Leukemia Mononuclear

+
 X
 X X X X X X X X

Nose

+ +

Trachea

+ +

SPECIAL SENSES SYSTEM

Eye
 Harderian Gland
 Leukemia Mononuclear

+
 X

Zymbal's Gland

URINARY SYSTEM

Kidney
 Leukemia Mononuclear
 Urinary Bladder
 Leukemia Mononuclear

+
 X X X X
 +

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

Experiment Number: 10119 - 01
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 Furan
 CAS Number: 110-00-9

Date Report Requested: 06/03/2014
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| | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| FISCHER 344 RATS-NCTR RATS MALE
2 Furan 104 wk | DAY ON TEST | 0388 | 0577 | 0766 | 0666 | 0666 | 0555 | 0555 | 0666 | 0555 | 0666 | 0666 | 0555 | 0666 | 0666 | 0555 | 0666 | 0777 | 0666 | 0777 | 0555 | 0666 | 0555 | 0444 | 0777 |
| | ANIMAL ID | 00161 | 00171 | 00182 | 00192 | 00202 | 00212 | 00222 | 00232 | 00242 | 00252 | 00262 | 00272 | 00282 | 00292 | 00302 | 00312 | 00322 | 00332 | 00342 | 00352 | 00362 | 00372 | 00382 | 00392 |

males
(cont...)

Transitional Epithelium, Papilloma X

SYSTEMIC LESIONS

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Multiple Organ | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Leukemia Mononuclear | | | X | X | | X | | X | X | X | X | | X | | X | X | X | | X | X | | | | | X |
| Mesothelioma Malignant | | | X | | | X | | | | | | | | | | | | | | | | | | | X |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

Experiment Number: 10119 - 01
 Test Type: CHRONIC
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 Species/Strain: RATS/F 344/NCTR

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 Furan
 CAS Number: 110-00-9

Date Report Requested: 06/03/2014
 Time Report Requested: 08:42:42
 First Dose M/F: 09/07/09 / NA
 Lab: NCTR

| FISCHER 344 RATS-NCTR RATS
MALE
2 Furan 104 wk | DAY ON TEST | | ANIMAL ID | | | | | | | | | | | | | | | | | | | | * TOTALS | | | | | |
|--|-------------|------|-----------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------|------|------|------|-----------------|--|
| | 0711 | 0728 | 0730 | 0659 | 0663 | 0666 | 0557 | 0557 | 0669 | 0669 | 0722 | 0722 | 0547 | 0556 | 0728 | 0592 | 0728 | 0641 | 0728 | 0664 | 0666 | 0660 | | 0652 | 0531 | 0630 | 0728 | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | |
| | 1 | 1 | 3 | 3 | 3 | 3 | 6 | 6 | 6 | 4 | 4 | 4 | 4 | 7 | 7 | 7 | 7 | 7 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 2 | 2 | |
| | 6 | 2 | 2 | 3 | 4 | 5 | 7 | 8 | 8 | 0 | 1 | 2 | 3 | 5 | 5 | 6 | 7 | 8 | 6 | 7 | 8 | 7 | 8 | 9 | 7 | 7 | | |
| | 1 | 2 | 1 | 1 | 2 | 1 | 2 | 1 | 2 | 2 | 1 | 2 | 1 | 2 | 2 | 2 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 2 | * TOTALS | |

ALIMENTARY SYSTEM

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|-----------|
| Esophagus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Intestine Large, Cecum | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | A | + | + | 46 | |
| Intestine Large, Colon | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | A | + | + | 46 | |
| Intestine Large, Rectum | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | 48 | |
| Intestine Small, Duodenum | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | A | + | + | 47 | |
| Intestine Small, Ileum | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | A | + | + | 46 | |
| Intestine Small, Jejunum | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | A | + | + | 46 | |
| Liver | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 | |
| Hepatocellular Adenoma | | | | | | | | | | | | | | | | | | | | | | | | | | | 3 | |
| Hepatocholangiocarcinoma | | | | | | | | | | | | | | | | | | | | | | | | X | | | 2 | |
| Leukemia Mononuclear | | | | X | X | | X | | X | X | | X | X | | | | X | X | X | X | | | | | X | | 27 | |
| Mesentery | | | | | + | | | + | + | | | | | | | + | | | | | | | | | + | | 10 | |
| Leukemia Mononuclear | | | | | | | | | X | | | | | | | | | | | | | | | | | | 2 | |
| Pancreas | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Leukemia Mononuclear | | | | X | | | | X | | | | X | | | | | | | | | | | | | | | 6 | |
| Acinar Cell, Adenoma | X | | | | | X | | | | | | | | | | | X | | | | | X | | | | | 7 | |
| Acinar Cell, Adenoma, Multiple | | | X | | X | | | | | | | | | | | | | | | | | | | | X | | 5 | |
| Salivary Glands | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

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 Furan
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 Lab: NCTR

| FISCHER 344 RATS-NCTR RATS
MALE
2 Furan 104 wk | DAY ON TEST | | ANIMAL ID | | | | | | | | | | | | | | | | | | | | * TOTALS | | | | |
|--|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|----------|------------------|------------------|------------------|---|
| | 0
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8 | 0
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8 | 0
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7 | 0
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8 | 0
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3 | 0
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8 | 0
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6
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4 | 0
6
0
6 | 0
6
5
2 | | 0
5
3
1 | 0
6
0
3 | 0
7
2
8 | |
| Leukemia Mononuclear | | | X | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Stomach, Forestomach | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | 48 | |
| Stomach, Glandular
Leukemia Mononuclear | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | 48
1 | |
| CARDIOVASCULAR SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Blood Vessel | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Heart | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Leukemia Mononuclear | | | | X | | | | | X | X | | | X | | | | | X | | X | | | | | | 13 | |
| Schwannoma Benign | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | |
| Schwannoma Malignant | | | | | | | | | X | | | | | | | X | | | | | | | | | | 2 | |
| ENDOCRINE SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Adrenal Cortex | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Leukemia Mononuclear | | | | X | | | | | X | | | | X | | | | | | X | | | | | | | 11 | |
| Adrenal Medulla | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Leukemia Mononuclear | | | | X | | | | | | | | | | | | | | X | | X | | | | | | 8 | |
| Pheochromocytoma Benign | X | | X | | | | | | | | | | | | | | | | | | X | | | | | 7 | |
| Pheochromocytoma Malignant | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | |
| Bilateral, Pheochromocytoma Benign | | | | | | | | | | | | | | | | | | | | | | | | X | | 3 | |
| Islets, Pancreatic | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Adenoma | | | | | | | | | | | | X | | | | | X | | X | | | X | | X | | 7 | |
| Carcinoma | | | | | | | | | | | X | | | | | | | | | | | | | | | 2 | |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

Experiment Number: 10119 - 01
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P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Furan
 CAS Number: 110-00-9

Date Report Requested: 06/03/2014
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 First Dose M/F: 09/07/09 / NA
 Lab: NCTR

| FISCHER 344 RATS-NCTR RATS
MALE
2 Furan 104 wk | DAY ON TEST | | | | | | | | | | | | | | | | | | | | * TOTALS | | | | | | |
|--|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|--|
| | 0
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| ANIMAL ID | 0
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2 | 0
3
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4
2
7
1 | 0
4
2
7
2 | |
| Parathyroid Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Pituitary Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Leukemia Mononuclear | | | | X | | | | X | | | | | | | | | | | | | | | | | 6 | | |
| Pars Distalis, Adenoma | X | X | | X | X | X | X | X | | | X | | | X | | | X | X | X | | | X | X | X | | 36 | |
| Thyroid Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | | |
| C-cell, Adenoma | X | X | | | | | | | | | | | | | | X | X | | | | | | | X | 8 | | |
| C-cell, Carcinoma | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| Follicular Cell, Carcinoma | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| GENERAL BODY SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Peritoneum | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | |
| Tunica Vaginalis, Mesothelioma Malignant | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | |
| GENITAL SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Epididymis | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Leukemia Mononuclear | | | | | | | | | X | | | | | | | | | | | | | | | | | 1 | |
| Mesothelioma Malignant | | | | | | | | | | | | | | | | X | X | | | X | | | | | | 5 | |
| Preputial Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Adenoma | | | X | | | | | | | | | | X | | | X | | | | | | | | | | 3 | |
| Carcinoma | | | | | | | | | | | | | | | X | | | | X | | | | | | | 3 | |
| Leukemia Mononuclear | | | | X | | | | | | X | | | | | | | X | | | | | | | | | 6 | |
| Squamous Cell Carcinoma | | | | | | | | | | | | | | | | | | | | | | | | | | 3 | |
| Prostate | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Leukemia Mononuclear | | | | | | | | | X | | | | | | | | | | | | | | | | | 2 | |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
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| FISCHER 344 RATS-NCTR RATS
MALE
2 Furan 104 wk | DAY ON TEST | | | | | | | | | | | | | | | | | | | | * TOTALS | | | | | | | |
|--|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------|------|------|------|------|------|------|------|
| | 0711 | 0728 | 0730 | 0659 | 0663 | 0666 | 0557 | 0557 | 0667 | 0659 | 0773 | 0778 | 0788 | 0547 | 0556 | 0728 | 0592 | 0728 | 0664 | 0728 | | 0665 | 0666 | 0666 | 0553 | 0660 | 0663 | 0728 |
| ANIMAL ID | 02161 | 0221 | 0223 | 0223 | 0223 | 0223 | 0226 | 0226 | 0226 | 0234 | 0233 | 0233 | 0233 | 0233 | 0233 | 0233 | 0233 | 0233 | 0233 | 0233 | 0233 | 0233 | 0233 | 0233 | 0233 | 0233 | 0233 | 0233 |
| Seminal Vesicle | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
| Leukemia Mononuclear | | | | | | | | | X | | | | | | | | | | | | | | | | | | | 2 |
| Testes | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Mesothelioma Malignant | | | | | | | | | | | | | | | | | | X | X | | | | | | | | | 4 |
| Bilateral, Interstitial Cell, Adenoma | | | | | | | | | | | X | | | | X | X | X | | | | | | | | X | | | 6 |
| Interstitial Cell, Adenoma | | | X | X | X | | | | X | | X | | X | | | | | X | X | X | | X | | | | | | 16 |
| HEMATOPOIETIC SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bone Marrow | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | 49 |
| Leukemia Mononuclear | | | | X | | | X | | X | X | | | X | | | | | X | | X | | | | | | | | 16 |
| Lymph Node | + | + | | + | + | + | + | + | + | + | + | | | | | + | | | + | + | + | + | | + | + | + | + | 33 |
| Axillary, Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | X | | | | | 5 |
| Cervical, Leukemia Mononuclear | | | | | | | | | X | | | | | | | | | | | | | | | | | | | 1 |
| Deep Cervical, Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Hepatic, Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | | | | | 3 |
| Lumbar, Leukemia Mononuclear | | | | X | | | | | X | | | | | | | | | | X | | X | | | | | | | 10 |
| Mediastinal, Leukemia Mononuclear | | | | | | | | | X | X | | | | | | | | | X | | X | | | | | | | 8 |
| Pancreatic, Leukemia Mononuclear | | | | X | | | X | | | X | | | | | | | | | X | | X | | | | | | | 13 |
| Renal, Leukemia Mononuclear | | | | | | | | | X | | | | | | | | | | | | | | | | | | | 7 |
| Lymph Node, Mandibular | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Leukemia Mononuclear | | | | X | | | X | | X | X | | | | X | | | | | X | | X | | | | | | | 14 |
| Lymph Node, Mesenteric | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Leukemia Mononuclear | | | | X | | | X | | X | X | | | | X | | | | | X | | X | | | | | | | 16 |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

Experiment Number: 10119 - 01
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Furan
 CAS Number: 110-00-9

Date Report Requested: 06/03/2014
 Time Report Requested: 08:42:42
 First Dose M/F: 09/07/09 / NA
 Lab: NCTR

| FISCHER 344 RATS-NCTR RATS
MALE
2 Furan 104 wk | DAY ON TEST | | | | | | | | | | | | | | | | | | | | | | | | * TOTALS | | |
|--|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------|-------|--|
| | 0711 | 0718 | 0720 | 0659 | 0663 | 0666 | 0557 | 0557 | 0667 | 0557 | 0667 | 0778 | 0778 | 0557 | 0557 | 0778 | 0778 | 0557 | 0667 | 0667 | 0666 | 0666 | 0557 | 0667 | | 0667 | |
| ANIMAL ID | 02161 | 02162 | 02163 | 02163 | 02163 | 02163 | 02166 | 02166 | 02166 | 02164 | 02164 | 02164 | 02164 | 02167 | 02167 | 02167 | 02167 | 02167 | 02168 | 02168 | 02168 | 02168 | 02168 | 02168 | 02169 | 02169 | |
| Spleen | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Hemangiosarcoma | | | | | | | | | | | | | | | | | | | | | | | | X | | 1 | |
| Leukemia Mononuclear | | | | X | X | | X | | X | X | | X | X | | | | X | X | X | X | | | | X | X | 27 | |
| Thymus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 | |
| Leukemia Mononuclear | | | | X | | | X | | X | | | | | | | | | | | | | | | | | 5 | |
| Thymoma Benign | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | |
| INTEGUMENTARY SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mammary Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Adenoma | | | | | | | | | | | | | | | | | | | | | | | | X | | 1 | |
| Fibroadenoma | | | X | | | | | | | | X | | | | | | | | | | | | | | | 4 | |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | |
| Skin | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Subcutaneous Tissue, Lipoma | | | | | | | | | | | | | | | | | | | | | | | | X | | 1 | |
| Subcutaneous Tissue, Sarcoma | | | | | | | X | | | | | | | | | | | | | | | | | | | 1 | |
| MUSCULOSKELETAL SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bone, Femur | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| NERVOUS SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Brain, Brain Stem | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Brain, Cerebellum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | |
| Leukemia Mononuclear | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

Experiment Number: 10119 - 01
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Furan
 CAS Number: 110-00-9

Date Report Requested: 06/03/2014
 Time Report Requested: 08:42:42
 First Dose M/F: 09/07/09 / NA
 Lab: NCTR

| FISCHER 344 RATS-NCTR RATS
MALE
2 Furan 104 wk | DAY ON TEST | | | | | | | | | | | | | | | | | | | | * TOTALS | | | | | | |
|--|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------|------|------|------|------|------|----------|
| | 0711 | 0728 | 0730 | 0659 | 0663 | 0666 | 0557 | 0557 | 0667 | 0659 | 0773 | 0778 | 0547 | 0556 | 0728 | 0592 | 0728 | 0664 | 0728 | 0664 | | 0666 | 0662 | 0531 | 0663 | 0702 | 0708 |
| ANIMAL ID | 02161 | 0211 | 0223 | 0233 | 0233 | 0236 | 0226 | 0226 | 0266 | 0266 | 0344 | 0344 | 0347 | 0347 | 0377 | 0377 | 0377 | 0377 | 0388 | 0388 | 0388 | 0388 | 0388 | 0422 | 0422 | 0444 | 0447 |
| Brain, Cerebrum
Leukemia Mononuclear | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50
1 |
| RESPIRATORY SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Lung
Alveolar/Bronchiolar Carcinoma | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50
1 |
| Hepatocarcinoma, Metastatic, Liver | | | | | | | | | | | | | | | | | | | | | | | | | | X | 1 |
| Leukemia Mononuclear | | | | X | | | X | | X | X | | X | | | | X | X | | X | | | | | | | X | 17 |
| Nose | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | A | + | + | 48 | |
| Trachea | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| SPECIAL SENSES SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Eye | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | A | + | + | 47 | |
| Harderian Gland
Leukemia Mononuclear | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | X | 50
2 |
| Zymbal's Gland | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| URINARY SYSTEM | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Kidney
Leukemia Mononuclear | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50
11 |
| Urinary Bladder
Leukemia Mononuclear | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50
2 |

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

Experiment Number: 10119 - 01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/F 344/NCTR

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
Furan
CAS Number: 110-00-9

Date Report Requested: 06/03/2014
Time Report Requested: 08:42:42
First Dose M/F: 09/07/09 / NA
Lab: NCTR

| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
|---|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------------|---|---|
| FISCHER 344 RATS-NCTR RATS MALE
2 Furan 104 wk | DAY ON TEST | 7 | 7 | 7 | 6 | 6 | 6 | 5 | 5 | 6 | 5 | 7 | 7 | 5 | 5 | 7 | 5 | 7 | 6 | 7 | 6 | 6 | 6 | 5 | 6 | 7 |
| | | 1 | 2 | 0 | 5 | 3 | 5 | 3 | 5 | 9 | 9 | 2 | 2 | 4 | 6 | 2 | 9 | 2 | 4 | 2 | 5 | 0 | 5 | 3 | 0 | 2 |
| | ANIMAL ID | 1 | 8 | 3 | 9 | 3 | 6 | 7 | 7 | 7 | 3 | 8 | 8 | 7 | 7 | 8 | 3 | 8 | 1 | 8 | 4 | 6 | 2 | 1 | 3 | 8 |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 |
| | | 1 | 1 | 3 | 3 | 3 | 3 | 6 | 6 | 4 | 4 | 4 | 4 | 7 | 7 | 7 | 7 | 7 | 8 | 8 | 8 | 8 | 8 | 2 | 2 | 2 |
| | | 6 | 6 | 2 | 3 | 4 | 5 | 7 | 8 | 8 | 0 | 1 | 2 | 3 | 5 | 5 | 6 | 7 | 8 | 6 | 7 | 8 | 8 | 9 | 7 | 7 |
| | | 1 | 2 | 1 | 1 | 2 | 1 | 2 | 1 | 2 | 2 | 1 | 2 | 1 | 1 | 2 | 2 | 1 | 2 | 1 | 1 | 1 | 2 | 1 | 1 | 2 |
| | | | | | | | | | | | | | | | | | | | | | | | | * TOTALS | | |

Transitional Epithelium, Papilloma

1

SYSTEMIC LESIONS

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| Multiple Organ | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
| Leukemia Mononuclear | | | | X | X | | X | | X | X | | X | X | | | X | X | X | X | | | X | | X | | 28 |
| Mesothelioma Malignant | | | | | | | | | | | | | | | | X | X | | | X | | | | | | 6 |

*** END OF REPORT ***

* .. Total animals with tissue examined microscopically; Total animals with tumor
+ .. Tissue examined microscopically
X .. Lesion present
I .. Insufficient tissue

M .. Missing tissue
A .. Autolysis precludes evaluation
BLANK .. Not examined microscopically