Test Type: CHRONIC

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

Tetralin

Route: RESPIRATORY EXPOSURE WHOLE BODY CAS Number

Species/Strain: RATS/F 344/N

CAS Number: 119-64-2

F2_R2

C Number: C93025

Lock Date: 03/22/2006

Cage Range: ALL

Date Range: ALL

Reasons For Removal: ALL

Removal Date Range: ALL

Treatment Groups: Include ALL

Study Gender: Both

TDMSE Version: 2.1.0

Date Report Requested: 11/17/2008

Time Report Requested: 08:56:08 First Dose M/F: 06/16/03 / 06/16/03

Test Type: CHRONIC

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

Tetralin '

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344/N

CAS Number: 119-64-2

Date Report Requested: 11/17/2008

Time Report Requested: 08:56:08 First Dose M/F: 06/16/03 / 06/16/03

FISCHER 344 RATS MALE	CONTROL	30 PPM	60 PPM	120 PPM	
Disposition Summary					
Animals Initially in Study	50	50	50	50	
Early Deaths Moribund Sacrifice	24	14	20	19	
Natural Death	6	7	5	3	
Survivors					
Natural Death Terminal Sacrifice	20	1 28	25	20	
Animals Examined Microscopically	50 50	26 50	25 50	28 50	
Annual Examined Microscopically	00	00	00	00	
ALIMENTARY SYSTEM					
Intestine Small, Duodenum	(49)	(47)	(48)	(50)	
Carcinoma		()	4	1 (2%)	
Intestine Small, Ileum	(44)	(46)	(45)	(48)	
Liver	(50)	(50)	(50)	(50)	
Hepatocellular Adenoma Mesentery	1 (2%)	(12)	(12)	(11)	
Oral Mucosa	(15) (1)	(13) (0)	(12) (3)	(11) (0)	
Pancreas	(50)	(50)	(50)	(50)	
Adenoma	(50)	(50)	1 (2%)	(50)	
Carcinoma			(270)	1 (2%)	
Stomach, Forestomach	(50)	(50)	(50)	(50)	
Stomach, Glandular	(50)	(50)	(50)	(50)	
Tongue	(1)	(3)	(3)	(1)	
Squamous Cell Papilloma		1 (33%)			
Tooth	(3)	(2)	(1)	(0)	
Adamantinoma Malignant	1 (33%)				
CARDIOVASCULAR SYSTEM					
Blood Vessel	(0)	(0)	(0)	(1)	
Heart	(50)	(50)	(50)	(ŠÓ)	
Alveolar/Bronchiolar Carcinoma, Metastatic, Lung	. ,	1 (2%)			

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

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

Tetralin

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344/N

CAS Number: 119-64-2

Time Report Requested: 08:56:08

First Dose M/F: 06/16/03 / 06/16/03

Date Report Requested: 11/17/2008

FISCHER 344 RATS MALE	CONTROL	30 PPM	60 PPM	120 PPM	
ENDOCRINE SYSTEM					
Adrenal Cortex	(50)	(50)	(49)	(50)	
Adenoma	4	1 (2%)	3 (6%)	4	
Adrenal Medulla	(50)	(50)	(49)	(50)	
Pheochromocytoma Benign	7 (14%)	8 (16%)	12 (24%)	9 (18%)	
Pheochromocytoma Complex	- ()	- ()	1 (2%)		
Pheochromocytoma Malignant	3 (6%)	2 (4%)	1 (2%)		
Bilateral, Pheochromocytoma Benign	2 (4%)	2 (4%)			
Bilateral, Pheochromocytoma Malignant	1 (2%)	(50)	(50)	(50)	
Islets, Pancreatic	(50)	(50)	(50)	(50)	
Adenoma Carcinoma	3 (6%)	4 (8%)	4 (8%)	1 (2%)	
Pituitary Gland	1 (2%) (50)	4 (8%) (49)	3 (6%) (49)	4 (8%) (49)	
Adenoma	36 (72%)	35 (71%)	36 (73%)	33 (67%)	
Carcinoma	1 (2%)	33 (7 1 /0)	1 (2%)	33 (07 %)	
Thyroid Gland	(50)	(50)	(50)	(50)	
Bilateral, C-cell, Adenoma	(30)	1 (2%)	1 (2%)	(50)	
C-cell, Adenoma	5 (10%)	3 (6%)	4 (8%)	4 (8%)	
C-cell, Carcinoma	2 (4%)	4 (8%)	2 (4%)	2 (4%)	
Follicular Cell, Adenoma	2 (170)	1 (2%)	2 (4%)	1 (2%)	
Follicular Cell, Carcinoma		1 (2%)	= (. , . ,	1 (2%)	
GENERAL BODY SYSTEM					
Peritoneum	(0)	(2)	(0)	(3)	
GENITAL SYSTEM					
Epididymis	(50)	(50)	(50)	(50)	
Preputial Gland	(50)	(50)	(50)	(49)	
Adenoma		•	1 (2%)	•	
Carcinoma			1 (2%)	2 (4%)	
Prostate	(50)	(50)	(50)	(50)	
Carcinoma			1 (2%)		
Seminal Vesicle	(50)	(50)	(50)	(50)	
Testes	(50)	(50)	(50)	(50)	
Bilateral, Interstitial Cell, Adenoma	18 (36%)	20 (40%)	17 (34%)	30 (60%)	
Interstitial Cell, Adenoma	11 (22%)	19 (38%)	14 (28%)	11 (22%)	

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

Species/Strain: RATS/F 344/N

Route: RESPIRATORY EXPOSURE WHOLE BODY

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

Tetralin

CAS Number: 119-64-2

Time Report Requested: 08:56:08

First Dose M/F: 06/16/03 / 06/16/03

Date Report Requested: 11/17/2008

FISCHER 344 RATS MALE	CONTROL	30 PPM	60 PPM	120 PPM	
EMATOPOIETIC SYSTEM					
Bone Marrow Lymph Node	(50) (8)	(50) (2)	(50) (7)	(50) (1)	
Deep Cervical, Carcinoma, Metastatic, Thyroid Gland			1 (14%)		
Lymph Node, Bronchial	(7)	(5)	(4)	(4)	
Lymph Node, Mandibular	(0)	(1)	(3)	(0)	
Lymph Node, Mediastinal	(33)	(36)	(36)	(31)	
Carcinoma, Metastatic, Thyroid Gland	1 (3%)			4 (20/)	
Carcinoma, Metastatic, Zymbal'S Gland Fibrous Histiocytoma, Metastatic, Skin			1 (3%)	1 (3%)	
Lymph Node, Mesenteric	(50)	(50)	(50)	(50)	
Spleen	(50)	(50)	(50)	(50)	
Thymus	(47)	(43)	(44)	(43)	
Thymoma Benign	(/	,	1 (2%)	,	
NTEGUMENTARY SYSTEM Mammary Gland	(50)	(50)	(50)	(50)	
Carcinoma	(7	1 (2%)	2 (4%)	1 (2%)	
Fibroadenoma	1 (2%)	1 (2%)	. ,	1 (2%)	
Skin	(50)	(50)	(50)	(50)	
Basal Cell Adenoma				1 (2%)	
Basal Cell Adenoma, Multiple	1 (2%)	4 (00()	0 (40()	0 (00()	
Basal Cell Carcinoma	3 (6%)	1 (2%)	2 (4%)	3 (6%)	
Keratoacanthoma Keratoacanthoma, Multiple	1 (2%)	1 (2%)	2 (4%)	2 (4%)	
Osteosarcoma	I (470)	1 (2%)			
Squamous Cell Carcinoma		1 (2/0)	1 (2%)		
Squamous Cell Papilloma		1 (2%)	1 (2%)	4 (8%)	
Pinna, Neural Crest Tumor		1 (2%)	- (-,-)	. (= ,=,	
Sebaceous Gland, Adenoma	2 (4%)	, ,		2 (4%)	
Subcutaneous Tissue, Fibroma	3 (6%)	4 (8%)	4 (8%)	5 (10%)	
Subcutaneous Tissue, Fibrosarcoma	3 (6%)	1 (2%)	1 (2%)		
Subcutaneous Tissue, Fibrous			1 (2%)		
Histiocytoma	4 (20/)				
Subcutaneous Tissue,	1 (2%)				

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

Test Type: CHRONIC

Species/Strain: RATS/F 344/N

Route: RESPIRATORY EXPOSURE WHOLE BODY

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

Tetralin

CAS Number: 119-64-2

Date Report Requested: 11/17/2008

Time Report Requested: 08:56:08 First Dose M/F: 06/16/03 / 06/16/03

FISCHER 344 RATS MALE	CONTROL	30 PPM	60 PPM	120 PPM	
Hemangiosarcoma Subcutaneous Tissue, Lipoma Subcutaneous Tissue, Osteosarcoma,	1 (2%)		1 (2%)	1 (2%)	
Metastatic, Bone Subcutaneous Tissue, Sarcoma Subcutaneous Tissue, Schwannoma Benign		1 (2%)	1 (2%)		
Subcutaneous Tissue, Schwannoma Malignant Subcutaneous Tissue, Schwannoma Malignant, Multiple	1 (2%)	1 (2%)			
MUSCULOSKELETAL SYSTEM					
Bone Carcinoma, Metastatic, Zymbal'S Gland	(50)	(50)	(50)	(50) 1 (2%)	
Osteosarcoma	2 (4%)		4 (00()	, ,	
Cranium, Osteosarcoma Maxilla, Osteosarcoma	1 (2%)		1 (2%)	1 (2%)	
NERVOUS SYSTEM					
Brain	(50) 1 (2%)	(50)	(50)	(50)	
Carcinoma, Metastatic, Pituitary Gland Osteosarcoma, Metastatic, Bone Pineal Gland, Carcinoma	1 (2%)		1 (2%) 1 (2%)	1 (2%)	
RESPIRATORY SYSTEM					
Larynx Lung Alveolar/Bronchiolar Adenoma Alveolar/Bronchiolar Carcinoma Osteosarcoma, Metastatic, Bone	(50) (50) 1 (2%) 1 (2%)	(50) (50) 2 (4%)	(50) (50) 1 (2%) 1 (2%)	(50) (50) 2 (4%)	
Pheochromocytoma Complex, Metastatic, Adrenal Medulla Pheochromocytoma Malignant,	2 (4%)		1 (2%)		
Metastatic, Adrenal Medulla Nose	(50)	(50)	(49)	(50)	

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

Test Type: CHRONIC

Species/Strain: RATS/F 344/N

Route: RESPIRATORY EXPOSURE WHOLE BODY

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

Tetralin

CAS Number: 119-64-2

Date Report Requested: 11/17/2008

Time Report Requested: 08:56:08 First Dose M/F: 06/16/03 / 06/16/03

FISCHER 344 RATS MALE	CONTROL	30 PPM	60 PPM	120 PPM	
Adenoma, Tubular Pleura	(2)	(1)	1 (2%) (3)	(10)	
SPECIAL SENSES SYSTEM					
Eye Harderian Gland Zymbal's Gland Carcinoma	(50) (50) (0)	(49) (50) (0)	(48) (50) (1) 1 (100%)	(50) (50) (1) 1 (100%)	
URINARY SYSTEM					
Kidney Cortex, Renal Tubule, Adenoma Urinary Bladder	(50) (50)	(50) 1 (2%) (50)	(50) 1 (2%) (50)	(50) 2 (4%) (50)	
SYSTEMIC LESIONS					
Multiple Organs Histiocytic Sarcoma Leukemia Mononuclear Mesothelioma Malignant	*(50) 25 (50%)	*(50) 1 (2%) 16 (32%) 2 (4%)	*(50) 5 (10%) 1 (2%)	*(50) 1 (2%) 2 (4%) 3 (6%)	

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

^{*} Number of animals with any tissue examined microscopically

Test Type: CHRONIC

Species/Strain: RATS/F 344/N

Route: RESPIRATORY EXPOSURE WHOLE BODY

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

Tetralin

CAS Number: 119-64-2

Date Report Requested: 11/17/2008

Time Report Requested: 08:56:08 First Dose M/F: 06/16/03 / 06/16/03

Lab: BNW

FISCHER 344 RATS MALE	CONTROL	30 PPM	60 PPM	120 PPM
umor Summary for Males				
Total Animals with Primary Neoplasms (b)	50	50	49	50
Total Primary Neoplasms	137	142	134	133
Total Animals with Benign Neoplasms	48	49	48	49
Total Benign Neoplasms	91	104	107	109
Total Animals with Malignant Neoplasms	33	29	21	20
Total Malignant Neoplasms	46	37	27	24
Total Animals with Metastatic Neoplasms	6	1	5	1
Total Metastatic Neoplasms	6	1	5	2
Total Animals with Malignant Neoplasms Uncertain Primary Site				
Total Animals with Neoplasms Uncertain-Benign or Malignant		1		
Total Uncertain Neoplasms		1		

*** END OF MALE ***

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

b - Primary tumors: all tumors except metastatic tumors

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

Tetralin

CAS Number: 119-64-2

Lab: BNW

Date Report Requested: 11/17/2008

Time Report Requested: 08:56:08

First Dose M/F: 06/16/03 / 06/16/03

Species/Strain: RATS/F 344/N

Route: RESPIRATORY EXPOSURE WHOLE BODY

FISCHER 344 RATS FEMALE	CONTROL	30 PPM	60 PPM	120 PPM	
Disposition Summary					
Animals Initially in Study	50	50	50	50	
Early Deaths Moribund Sacrifice	16	11	15	11	
Natural Death Survivors	3	3	4	1	
Terminal Sacrifice	31	36	31	38	
Animals Examined Microscopically	50	50	50	50	
LIMENTARY SYSTEM					
Esophagus	(50)	(50)	(50)	(50)	
Intestine Large, Cecum	(49)	(50)	(48)	(49)	
Intestine Large, Colon Intestine Large, Rectum	(50) (50)	(50) (50)	(50) (50)	(49) (49)	
Polyp Adenomatous	(00)	1 (2%)	(00)	(10)	
Intestine Small, Ileum	(49)	(50)	(48)	(49)	
Liver	(50)	(50)	(50)	(50)	
Carcinoma, Metastatic, Kidney Fibrous Histiocytoma			1 (2%)	1 (2%)	
Fibrous Histiocytoma, Metastatic, Skin			1 (2%)		
Hepatocellular Adenoma			1 (270)	3 (6%)	
Hepatocellular Carcinoma			1 (2%)	1 (2%)	
Mesentery	(10)	(18)	(18)	(14)	
Oral Mucosa	(1)	(0)	(1)	(1)	
Pancreas	(50)	(50)	(50)	(50)	
Salivary Glands	(50)	(50)	(50)	(50)	
Stomach, Forestomach Stomach, Glandular	(50) (50)	(50) (50)	(50) (50)	(50) (50)	
Epithelium, Adenoma	(50)	(30)	1 (2%)	(30)	
Tongue	(1)	(1)	(0)	(3)	
Squamous Cell Carcinoma	1 (100%)	(· /	(-)	(-)	
ARDIOVASCULAR SYSTEM					
Blood Vessel	(0)	(0)	(0)	(1)	
Heart	(50)	(50)	(50)	(50)	

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

Test Type: CHRONIC

Oviduct

Species/Strain: RATS/F 344/N

Route: RESPIRATORY EXPOSURE WHOLE BODY

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

Tetralin '

CAS Number: 119-64-2

Date Report Requested: 11/17/2008

Time Report Requested: 08:56:08 First Dose M/F: 06/16/03 / 06/16/03

Lab: BNW

FISCHER 344 RATS FEMALE	CONTROL	30 PPM	60 PPM	120 PPM	
Carcinoma, Metastatic, Kidney				1 (2%)	
ENDOCRINE SYSTEM					
Adrenal Cortex Adenoma Fibrous Histiocytoma, Metastatic, Skin Bilateral, Adenoma Adrenal Medulla Carcinoma, Metastatic, Kidney Pheochromocytoma Benign Pheochromocytoma Malignant Islets, Pancreatic	(50) 7 (14%) 1 (2%) (50) 2 (4%) 1 (2%) (50)	(50) 5 (10%) (50) 1 (2%) (50)	(50) 4 (8%) 1 (2%) 1 (2%) (50) 1 (2%) (50)	(50) 13 (26%) (50) 1 (2%) 1 (2%) 1 (2%) (50)	
Adenoma Carcinoma Parathyroid Gland Pituitary Gland Adenoma Carcinoma Thyroid Gland C-cell, Adenoma C-cell, Carcinoma Follicular Cell, Carcinoma Follicular Cell, Carcinoma	(49) (49) 36 (73%) (50) 3 (6%)	1 (2%) 1 (2%) (50) (50) 29 (58%) 1 (2%) (50) 3 (6%) 2 (4%) 1 (2%)	1 (2%) (48) (50) 32 (64%) 1 (2%) (50) 4 (8%)	(47) (50) 37 (74%) 1 (2%) (49) 5 (10%) 1 (2%)	
GENERAL BODY SYSTEM					
None					
GENITAL SYSTEM Clitoral Gland Adenoma Carcinoma Ovary Carcinoma Metastatia Kidnov	(50) 4 (8%) (50)	(50) 2 (4%) (50)	(50) 3 (6%) (50)	(50) 1 (2%) 4 (8%) (50)	
Carcinoma, Metastatic, Kidney Granulosa Cell Tumor Benign Granulosa Cell Tumor Malignant	(0)	1 (2%)	(0)	1 (2%) 1 (2%) 1 (2%)	

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

(0)

(1)

(0)

(0)

Species/Strain: RATS/F 344/N

Route: RESPIRATORY EXPOSURE WHOLE BODY

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

Tetralin

CAS Number: 119-64-2

Date Report Requested: 11/17/2008

Time Report Requested: 08:56:08 First Dose M/F: 06/16/03 / 06/16/03

FISCHER 344 RATS FEMALE	CONTROL	30 PPM	60 PPM	120 PPM	
Uterus	(50)	(50)	(50)	(50)	
Leiomyosarcoma Polyp Stromal Sarcoma Stromal	6 (12%)	1 (2%) 8 (16%) 1 (2%)	9 (18%) 1 (2%)	17 (34%)	
Bilateral, Polyp Stromal Endometrium, Adenoma	1 (2%)	2 (4%)	(/		
Endometrium, Carcinoma	1 (2%)	1 (2%)			
EMATOPOIETIC SYSTEM					
Bone Marrow Lymph Node	(50) (4)	(50) (3)	(50) (3)	(50) (3)	
Renal, Stromal Nephroma, Metastatic, Kidney			1 (33%)		
Lymph Node, Bronchial Carcinoma, Metastatic, Kidney	(3)	(5)	(3)	(2) 1 (50%)	
Lymph Node, Mediastinal Fibrous Histiocytoma, Metastatic, Skin	(33)	(36)	(40) 1 (3%)	(34)	
Lymph Node, Mesenteric Spleen	(50) (50)	(50) (50)	(50) (50)	(50) (50)	
Carcinoma, Metastatic, Kidney Fibrous Histiocytoma, Metastatic, Skin Osteosarcoma		1 (2%)	1 (2%)	1 (2%)	
Thymus Thymoma Benign	(44)	(45)	(48) 1 (2%)	(46)	
			1 (270)		
ITEGUMENTARY SYSTEM					
Mammary Gland Carcinoma	(50) 3 (6%)	(50) 3 (6%)	(50) 5 (10%)	(50) 4 (8%)	
Fibroadenoma Fibroadenoma, Multiple	13 (26%) 1 (2%)	14 (28%) 9 (18%)	19 (38%) 4 (8%)	11 (22%) 5 (10%)	
Skin Basal Cell Carcinoma	(50)	(50) 2 (4%)	(50)	(50) 1 (2%)	
Fibrous Histiocytoma Keratoacanthoma		2 (4%)	1 (2%)	1 (2%)	
Lip, Squamous Cell Carcinoma Subcutaneous Tissue, Fibroma	1 (2%)	1 (2%)			
Subcutaneous Tissue, Fibrous			1 (2%)		

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

Test Type: CHRONIC

Species/Strain: RATS/F 344/N

Route: RESPIRATORY EXPOSURE WHOLE BODY

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

Tetralin

CAS Number: 119-64-2

Date Report Requested: 11/17/2008

Time Report Requested: 08:56:08 First Dose M/F: 06/16/03 / 06/16/03

Lab: BNW

FISCHER 344 RATS FEMALE	CONTROL	30 PPM	60 PPM	120 PPM	
Histiocytoma					
MUSCULOSKELETAL SYSTEM					
Bone Squamous Cell Carcinoma, Metastatic, Skin	(50) 1 (2%)	(50)	(50)	(50)	
Rib, Osteosarcoma Skeletal Muscle	(1)	(1)	1 (2%) (0)	(0)	
NERVOUS SYSTEM					
Brain Spinal Cord Oligodendroglioma Malignant	(50) (0)	(50) (1) 1 (100%)	(50) (0)	(50) (0)	
RESPIRATORY SYSTEM					
Larynx Lung Carcinoma, Metastatic, Kidney	(50) (50)	(50) (50)	(50) (50)	(50) (50) 1 (2%)	
Carcinoma, Metastatic, Zymbal'S Gland Fibrous Histiocytoma, Metastatic, Skin Osteosarcoma, Metastatic, Bone Sarcoma, Metastatic, Uncertain Primary Site	1 (2%)	1 (2%)	1 (2%) 1 (2%)	1 (270)	
Squamous Cell Carcinoma, Metastatic, Tongue	1 (2%)				
Stromal Nephroma, Metastatic, Kidney Nose Respiratory Epithelium, Turbinate, Adenoma	(50)	(50) 1 (2%)	1 (2%) (50)	(50)	
Pleura Carcinoma, Metastatic, Kidney	(9)	(16)	(15)	(17) 1 (6%)	
Trachea	(50)	(50)	(50)	(50)	

SPECIAL SENSES SYSTEM

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

Test Type: CHRONIC

Species/Strain: RATS/F 344/N

Route: RESPIRATORY EXPOSURE WHOLE BODY

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

Tetralin

CAS Number: 119-64-2

Date Report Requested: 11/17/2008

Time Report Requested: 08:56:08 First Dose M/F: 06/16/03 / 06/16/03

FISCHER 344 RATS FEMALE	CONTROL	30 PPM	60 PPM	120 PPM	
Eye Harderian Gland Zymbal's Gland Carcinoma	(49) (50) (1) 1 (100%)	(50) (50) (0)	(49) (50) (0)	(50) (50) (0)	
JRINARY SYSTEM					
Kidney Carcinoma	(50)	(50)	(50)	(50) 1 (2%)	
Fibrous Histiocytoma, Metastatic, Skin Stromal Nephroma			1 (2%) 1 (2%)	1 (270)	
Cortex, Renal Tubule, Adenoma	(50)	(50)		1 (2%)	
Urinary Bladder Transitional Epithelium, Papilloma	(50)	(50) 1 (2%)	(50)	(50)	
SYSTEMIC LESIONS					
Multiple Organs	*(50)	*(50)	*(50)	*(50)	
Histiocytic Sarcoma Leukemia Mononuclear	2 (4%) 17 (34%)	2 (4%) 2 (4%)	1 (2%)	1 (2%) 4 (8%)	

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

^{*} Number of animals with any tissue examined microscopically

TDMS No. 93025 - 07
Test Type: CHRONIC

Species/Strain: RATS/F 344/N

Route: RESPIRATORY EXPOSURE WHOLE BODY

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

Tetralin

CAS Number: 119-64-2

Date Report Requested: 11/17/2008

Time Report Requested: 08:56:08 First Dose M/F: 06/16/03 / 06/16/03

Lab: BNW

FISCHER 344 RATS FEMALE	CONTROL	30 PPM	60 PPM	120 PPM	
mor Summary for Females					
Total Animals with Primary Neoplasms (b)	46	47	47	49	
Total Primary Neoplasms	101	100	95	117	
Total Animals with Benign Neoplasms	40	43	44	48	
Total Benign Neoplasms	70	79	76	96	
Total Animals with Malignant Neoplasms	25	18	16	19	
Total Malignant Neoplasms	31	21	19	21	
Total Animals with Metastatic Neoplasms	4	1	3	1	
Total Metastatic Neoplasms	4	1	9	8	
Total Animals with Malignant Neoplasms Uncertain Primary Site		1			
Total Animals with Neoplasms Uncertain-Benign or Malignant					
Total Uncertain Neoplasms					

*** END OF REPORT ***

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

b - Primary tumors: all tumors except metastatic tumors