

TDMs No. 20114 - 07

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

Date Report Requested: 10/04/2007

Test Type: CHRONIC

Sodium dichromate dihydrate (VI)

Time Report Requested: 10:38:19

Route: DOSED WATER

CAS Number: 7789-12-0

First Dose M/F: 10/02/02 / 10/02/02

Species/Strain: RATS/F 344

Lab: SRI

F2_R2

C Number: C20114
Lock Date: 10/04/2005
Cage Range: ALL
Date Range: ALL
Reasons For Removal: 25021 TSAC
Removal Date Range: ALL
Treatment Groups: Include ALL
TDMSE Version: 1.8.0

25020 NATD

25019 MSAC

Test Type: CHRONIC

Sodium dichromate dihydrate (VI)

Time Report Requested: 10:38:19

Route: DOSED WATER

CAS Number: 7789-12-0

First Dose M/F: 10/02/02 / 10/02/02

Species/Strain: RATS/F 344

Lab: SRI

FISCHER 344 RATS MALE	0 MG/L	14.3 MG/L	57.3 MG/L	172 MG/L	516 MG/L
Disposition Summary					
Animals Initially in Study	50	50	50	50	50
Early Deaths					
Moribund Sacrifice	16	15	16	9	16
Natural Death	6	5	3	5	4
Survivors					
Terminal Sacrifice	28	30	30	36	29
Animals Examined Microscopically	50	50	49	50	49
ALIMENTARY SYSTEM					
Intestine Large, Cecum	(45)	(48)	(46)	(47)	(48)
Lipoma				1 (2%)	
Intestine Large, Colon	(47)	(49)	(49)	(48)	(48)
Leiomyosarcoma					1 (2%)
Intestine Small, Duodenum	(48)	(48)	(47)	(46)	(48)
Intestine Small, Ileum	(45)	(46)	(46)	(45)	(47)
Intestine Small, Jejunum	(44)	(47)	(45)	(46)	(46)
Leiomyoma		1 (2%)			
Leiomyosarcoma		1 (2%)			
Leiomyosarcoma, Metastatic, Intestine Large, Colon					1 (2%)
Liver	(50)	(50)	(49)	(50)	(49)
Hepatocellular Adenoma		1 (2%)	2 (4%)		1 (2%)
Leiomyosarcoma, Metastatic, Spleen					1 (2%)
Mesentery	(12)	(4)	(15)	(14)	(15)
Hemangioma					1 (7%)
Oral Mucosa	(50)	(50)	(49)	(50)	(49)
Squamous Cell Carcinoma					6 (12%)
Squamous Cell Papilloma					1 (2%)
Pancreas	(50)	(50)	(49)	(50)	(49)
Mixed Tumor Benign				1 (2%)	
Acinus, Adenoma	1 (2%)	2 (4%)	4 (8%)	2 (4%)	1 (2%)
Acinus, Adenoma, Multiple			2 (4%)		1 (2%)
Salivary Glands	(50)	(50)	(49)	(49)	(49)
Schwannoma Malignant, Metastatic, Peripheral Nerve					1 (2%)

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

Test Type: CHRONIC

Sodium dichromate dihydrate (VI)

Time Report Requested: 10:38:19

Route: DOSED WATER

CAS Number: 7789-12-0

First Dose M/F: 10/02/02 / 10/02/02

Species/Strain: RATS/F 344

Lab: SRI

FISCHER 344 RATS MALE	0 MG/L	14.3 MG/L	57.3 MG/L	172 MG/L	516 MG/L
Stomach, Forestomach	(50)	(50)	(49)	(50)	(49)
Stomach, Glandular	(50)	(50)	(49)	(50)	(49)
Lipoma	1 (2%)				1 (2%)
Tongue	(49)	(50)	(47)	(49)	(48)
Squamous Cell Carcinoma		1 (2%)			
Squamous Cell Papilloma					1 (2%)
Tooth	(0)	(0)	(0)	(1)	(4)
Squamous Cell Carcinoma, Metastatic, Oral Mucosa					1 (25%)
CARDIOVASCULAR SYSTEM					
Blood Vessel	(0)	(4)	(0)	(0)	(3)
Heart	(50)	(50)	(49)	(50)	(49)
Schwannoma Benign					1 (2%)
Schwannoma Malignant				1 (2%)	1 (2%)
ENDOCRINE SYSTEM					
Adrenal Cortex	(50)	(50)	(49)	(50)	(49)
Adenoma				1 (2%)	
Adrenal Medulla	(49)	(50)	(49)	(50)	(49)
Pheochromocytoma Benign	5 (10%)	13 (26%)	10 (20%)	4 (8%)	3 (6%)
Pheochromocytoma Malignant	1 (2%)		2 (4%)	3 (6%)	1 (2%)
Bilateral, Pheochromocytoma Benign	1 (2%)		4 (8%)	1 (2%)	1 (2%)
Islets, Pancreatic	(50)	(50)	(49)	(50)	(49)
Adenoma	4 (8%)	6 (12%)	3 (6%)	7 (14%)	5 (10%)
Adenoma, Multiple		1 (2%)			
Carcinoma			1 (2%)		
Parathyroid Gland	(46)	(46)	(46)	(49)	(48)
Adenoma					1 (2%)
Pituitary Gland	(50)	(50)	(49)	(50)	(49)
Pars Distalis, Adenoma	15 (30%)	19 (38%)	19 (39%)	10 (20%)	16 (33%)
Pars Distalis, Adenoma, Multiple	1 (2%)		1 (2%)		
Pars Intermedia, Adenoma			1 (2%)		
Thyroid Gland	(50)	(50)	(49)	(50)	(49)
C-cell, Adenoma	5 (10%)	6 (12%)	3 (6%)	7 (14%)	7 (14%)
C-cell, Carcinoma	1 (2%)	2 (4%)	1 (2%)	3 (6%)	2 (4%)
Follicular Cell, Carcinoma				1 (2%)	3 (6%)

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

Test Type: CHRONIC

Sodium dichromate dihydrate (VI)

Time Report Requested: 10:38:19

Route: DOSED WATER

CAS Number: 7789-12-0

First Dose M/F: 10/02/02 / 10/02/02

Species/Strain: RATS/F 344

Lab: SRI

FISCHER 344 RATS MALE	0 MG/L	14.3 MG/L	57.3 MG/L	172 MG/L	516 MG/L
GENERAL BODY SYSTEM					
None					
GENITAL SYSTEM					
Epididymis	(50)	(50)	(49)	(50)	(49)
Preputial Gland	(50)	(50)	(49)	(50)	(49)
Adenoma	4 (8%)	3 (6%)	3 (6%)	2 (4%)	3 (6%)
Carcinoma	1 (2%)	4 (8%)	7 (14%)	3 (6%)	2 (4%)
Prostate	(50)	(50)	(49)	(50)	(49)
Adenoma	2 (4%)		2 (4%)		1 (2%)
Seminal Vesicle	(50)	(50)	(49)	(50)	(49)
Testes	(50)	(50)	(49)	(50)	(49)
Bilateral, Interstitial Cell, Adenoma	41 (82%)	34 (68%)	32 (65%)	39 (78%)	35 (71%)
Interstitial Cell, Adenoma	7 (14%)	10 (20%)	11 (22%)	10 (20%)	7 (14%)
HEMATOPOIETIC SYSTEM					
Bone Marrow	(50)	(50)	(49)	(50)	(49)
Lymph Node	(14)	(7)	(6)	(11)	(9)
Deep Cervical, Carcinoma, Metastatic, Thyroid Gland					1 (11%)
Lymph Node, Mandibular	(0)	(0)	(5)	(2)	(2)
Lymph Node, Mesenteric	(49)	(50)	(49)	(50)	(49)
Lymph Node, Pancreatic	(32)	(34)	(34)	(36)	(33)
Spleen	(50)	(50)	(49)	(50)	(49)
Hemangiosarcoma				1 (2%)	
Leiomyosarcoma					1 (2%)
Thymus	(48)	(50)	(46)	(49)	(47)
Thymoma Malignant				1 (2%)	
INTEGUMENTARY SYSTEM					
Mammary Gland	(50)	(49)	(48)	(50)	(49)
Carcinoma	1 (2%)				1 (2%)
Fibroadenoma	2 (4%)	2 (4%)	6 (13%)	3 (6%)	1 (2%)

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

Test Type: CHRONIC

Sodium dichromate dihydrate (VI)

Time Report Requested: 10:38:19

Route: DOSED WATER

CAS Number: 7789-12-0

First Dose M/F: 10/02/02 / 10/02/02

Species/Strain: RATS/F 344

Lab: SRI

FISCHER 344 RATS MALE	0 MG/L	14.3 MG/L	57.3 MG/L	172 MG/L	516 MG/L
Fibroadenoma, Multiple			1 (2%)		
Skin	(50)	(50)	(49)	(50)	(49)
Basal Cell Adenoma	2 (4%)	3 (6%)		1 (2%)	1 (2%)
Basal Cell Carcinoma		2 (4%)	2 (4%)		
Keratoacanthoma	2 (4%)	3 (6%)	1 (2%)	4 (8%)	1 (2%)
Squamous Cell Carcinoma	1 (2%)				
Squamous Cell Papilloma	1 (2%)			1 (2%)	1 (2%)
Trichoepithelioma			1 (2%)		
Sebaceous Gland, Adenoma				1 (2%)	
Subcutaneous Tissue, Fibroma	7 (14%)	11 (22%)	13 (27%)	7 (14%)	7 (14%)
Subcutaneous Tissue, Fibroma, Multiple	1 (2%)	1 (2%)		2 (4%)	1 (2%)
Subcutaneous Tissue, Fibrosarcoma	1 (2%)	1 (2%)	1 (2%)		1 (2%)
Subcutaneous Tissue, Fibrous Histiocytoma				1 (2%)	
Subcutaneous Tissue, Hemangioma	1 (2%)				
Subcutaneous Tissue, Lipoma		1 (2%)	1 (2%)		
Subcutaneous Tissue, Sarcoma	2 (4%)				
Subcutaneous Tissue, Schwannoma Malignant, Multiple		1 (2%)			
MUSCULOSKELETAL SYSTEM					
Bone	(50)	(50)	(49)	(50)	(49)
Chordoma					1 (2%)
Osteosarcoma					1 (2%)
Skeletal Muscle	(3)	(2)	(2)	(0)	(1)
NERVOUS SYSTEM					
Brain	(50)	(50)	(49)	(50)	(49)
Astrocytoma Malignant		1 (2%)			
Peripheral Nerve	(4)	(6)	(5)	(2)	(5)
Schwannoma Malignant					1 (20%)
Spinal Cord	(4)	(6)	(5)	(2)	(5)
RESPIRATORY SYSTEM					
Lung	(50)	(50)	(49)	(50)	(49)
Alveolar/Bronchiolar Adenoma	3 (6%)	3 (6%)	2 (4%)	1 (2%)	1 (2%)

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

Test Type: CHRONIC

Sodium dichromate dihydrate (VI)

Time Report Requested: 10:38:19

Route: DOSED WATER

CAS Number: 7789-12-0

First Dose M/F: 10/02/02 / 10/02/02

Species/Strain: RATS/F 344

Lab: SRI

FISCHER 344 RATS MALE	0 MG/L	14.3 MG/L	57.3 MG/L	172 MG/L	516 MG/L
Alveolar/Bronchiolar Adenoma, Multiple	1 (2%)				
Alveolar/Bronchiolar Carcinoma			1 (2%)		1 (2%)
Basal Cell Carcinoma, Metastatic, Skin		1 (2%)			
Carcinoma, Metastatic, Thyroid Gland					1 (2%)
Chordoma, Metastatic, Uncertain Primary Site					1 (2%)
Fibrosarcoma, Metastatic, Skin		1 (2%)			
Osteosarcoma, Metastatic, Uncertain Primary Site					2 (4%)
Sarcoma, Metastatic, Skin	1 (2%)				
Sarcoma, Metastatic, Uncertain Primary Site		1 (2%)			
Nose	(50)	(50)	(49)	(50)	(49)
SPECIAL SENSES SYSTEM					
Eye	(50)	(50)	(49)	(50)	(49)
Squamous Cell Carcinoma, Metastatic, Oral Mucosa					1 (2%)
Harderian Gland	(50)	(50)	(49)	(50)	(49)
Squamous Cell Carcinoma, Metastatic, Oral Mucosa					2 (4%)
URINARY SYSTEM					
Kidney	(50)	(50)	(49)	(50)	(49)
Urinary Bladder	(50)	(50)	(49)	(50)	(49)
SYSTEMIC LESIONS					
Multiple Organs	*(50)	*(50)	*(49)	*(50)	*(49)
Histiocytic Sarcoma			1 (2%)		
Leukemia Mononuclear	26 (52%)	18 (36%)	22 (45%)	17 (34%)	19 (39%)
Mesothelioma Malignant	2 (4%)		2 (4%)	1 (2%)	

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

Sodium dichromate dihydrate (VI)

Time Report Requested: 10:38:19

Route: DOSED WATER

CAS Number: 7789-12-0

First Dose M/F: 10/02/02 / 10/02/02

Species/Strain: RATS/F 344

Lab: SRI

FISCHER 344 RATS MALE	0 MG/L	14.3 MG/L	57.3 MG/L	172 MG/L	516 MG/L
-----------------------	--------	-----------	-----------	----------	----------

Tumor Summary for Males

Total Animals with Primary Neoplasms (b)	50	48	49	50	49
Total Primary Neoplasms	143	151	162	137	142
Total Animals with Benign Neoplasms	49	47	47	49	49
Total Benign Neoplasms	107	120	122	105	100
Total Animals with Malignant Neoplasms	29	25	31	29	31
Total Malignant Neoplasms	36	31	40	32	42
Total Animals with Metastatic Neoplasms	1	3			6
Total Metastatic Neoplasms	1	3			12
Total Animals with Malignant Neoplasms Uncertain Primary Site		1			3
Total Animals with Neoplasms Uncertain-Benign or Malignant					
Total Uncertain Neoplasms					

*** END OF MALE ***

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

b - Primary tumors: all tumors except metastatic tumors

Test Type: CHRONIC

Sodium dichromate dihydrate (VI)

Time Report Requested: 10:38:19

Route: DOSED WATER

CAS Number: 7789-12-0

First Dose M/F: 10/02/02 / 10/02/02

Species/Strain: RATS/F 344

Lab: SRI

FISCHER 344 RATS FEMALE	0 MG/L	14.3 MG/L	57.3 MG/L	172 MG/L	516 MG/L
Disposition Summary					
Animals Initially in Study	50	50	50	50	50
Early Deaths					
Moribund Sacrifice	12	15	9	10	18
Natural Death	5	3	9	4	1
Survivors					
Natural Death	1				
Terminal Sacrifice	32	32	32	36	31
Animals Examined Microscopically	50	50	50	50	50
ALIMENTARY SYSTEM					
Intestine Large, Cecum	(46)	(47)	(48)	(47)	(50)
Intestine Large, Colon	(49)	(49)	(49)	(48)	(50)
Adenoma		1 (2%)			
Intestine Small, Duodenum	(46)	(49)	(48)	(46)	(50)
Leiomyoma	1 (2%)				
Intestine Small, Ileum	(45)	(47)	(44)	(47)	(50)
Intestine Small, Jejunum	(46)	(46)	(44)	(45)	(49)
Liver	(50)	(50)	(50)	(50)	(50)
Hepatocellular Adenoma	1 (2%)	1 (2%)			
Pheochromocytoma Malignant, Metastatic, Adrenal Medulla		1 (2%)			
Sarcoma, Metastatic, Tissue Nos					1 (2%)
Mesentery	(11)	(13)	(12)	(15)	(10)
Sarcoma				1 (7%)	
Oral Mucosa	(50)	(50)	(50)	(50)	(50)
Squamous Cell Carcinoma				2 (4%)	11 (22%)
Pancreas	(50)	(50)	(50)	(50)	(50)
Mixed Tumor Benign			1 (2%)		
Salivary Glands	(50)	(50)	(50)	(50)	(50)
Stomach, Forestomach	(50)	(50)	(50)	(50)	(50)
Stomach, Glandular	(50)	(50)	(50)	(50)	(50)
Tongue	(45)	(49)	(48)	(48)	(48)
Squamous Cell Carcinoma				1 (2%)	
Squamous Cell Carcinoma, Metastatic, Oral Mucosa					2 (4%)

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

Test Type: CHRONIC

Sodium dichromate dihydrate (VI)

Time Report Requested: 10:38:19

Route: DOSED WATER

CAS Number: 7789-12-0

First Dose M/F: 10/02/02 / 10/02/02

Species/Strain: RATS/F 344

Lab: SRI

FISCHER 344 RATS FEMALE	0 MG/L	14.3 MG/L	57.3 MG/L	172 MG/L	516 MG/L
Squamous Cell Papilloma	1 (2%)	1 (2%)			
CARDIOVASCULAR SYSTEM					
Heart	(50)	(50)	(50)	(50)	(50)
Schwannoma Malignant	1 (2%)	1 (2%)			
ENDOCRINE SYSTEM					
Adrenal Cortex	(50)	(50)	(50)	(50)	(50)
Adenoma	1 (2%)	1 (2%)			
Adrenal Medulla	(49)	(50)	(49)	(50)	(50)
Pheochromocytoma Benign	2 (4%)	1 (2%)	2 (4%)	4 (8%)	
Pheochromocytoma Benign, Multiple		1 (2%)			
Pheochromocytoma Malignant	1 (2%)	1 (2%)	1 (2%)	1 (2%)	
Pheochromocytoma Malignant, Multiple		1 (2%)			
Islets, Pancreatic	(50)	(50)	(50)	(50)	(50)
Adenoma	2 (4%)	1 (2%)	2 (4%)	2 (4%)	2 (4%)
Adenoma, Multiple				1 (2%)	
Parathyroid Gland	(46)	(47)	(47)	(45)	(47)
Pituitary Gland	(50)	(50)	(50)	(50)	(49)
Pars Distalis, Adenoma	26 (52%)	29 (58%)	25 (50%)	21 (42%)	12 (24%)
Pars Distalis, Adenoma, Multiple	2 (4%)			1 (2%)	
Pars Distalis, Carcinoma	2 (4%)	1 (2%)		1 (2%)	1 (2%)
Pars Intermedia, Adenoma					1 (2%)
Thyroid Gland	(50)	(50)	(50)	(50)	(50)
C-cell, Adenoma	8 (16%)	5 (10%)	7 (14%)	4 (8%)	9 (18%)
C-cell, Carcinoma	2 (4%)			2 (4%)	2 (4%)
Follicular Cell, Adenoma					1 (2%)
Follicular Cell, Carcinoma		1 (2%)	1 (2%)		1 (2%)
GENERAL BODY SYSTEM					
Tissue NOS	(0)	(0)	(0)	(0)	(2)
Abdominal, Sarcoma					1 (50%)
GENITAL SYSTEM					

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

Test Type: CHRONIC

Sodium dichromate dihydrate (VI)

Time Report Requested: 10:38:19

Route: DOSED WATER

CAS Number: 7789-12-0

First Dose M/F: 10/02/02 / 10/02/02

Species/Strain: RATS/F 344

Lab: SRI

FISCHER 344 RATS FEMALE	0 MG/L	14.3 MG/L	57.3 MG/L	172 MG/L	516 MG/L
Clitoral Gland	(50)	(50)	(50)	(50)	(50)
Adenoma	2 (4%)	9 (18%)	8 (16%)	5 (10%)	4 (8%)
Carcinoma	8 (16%)	8 (16%)	5 (10%)	3 (6%)	5 (10%)
Carcinoma, Multiple		3 (6%)			
Fibrosarcoma		1 (2%)			
Bilateral, Adenoma					1 (2%)
Ovary	(49)	(50)	(50)	(50)	(50)
Granulosa Cell Tumor Benign		1 (2%)		1 (2%)	
Uterus	(49)	(50)	(50)	(50)	(50)
Adenoma	1 (2%)				
Leiomyosarcoma			1 (2%)		
Polyp Stromal	10 (20%)	14 (28%)	13 (26%)	15 (30%)	8 (16%)
Polyp Stromal, Multiple		1 (2%)	1 (2%)	2 (4%)	
Schwannoma Malignant			1 (2%)	1 (2%)	1 (2%)
Schwannoma Malignant, Metastatic, Uterus	1 (2%)				
Vagina	(8)	(12)	(4)	(4)	(10)
Polyp		1 (8%)			
Schwannoma Malignant					1 (10%)
Schwannoma Malignant, Metastatic, Vagina	1 (13%)				
HEMATOPOIETIC SYSTEM					
Bone Marrow	(50)	(50)	(49)	(50)	(50)
Pheochromocytoma Malignant, Metastatic, Adrenal Medulla		1 (2%)			
Lymph Node	(8)	(11)	(9)	(4)	(11)
Lymph Node, Mandibular	(4)	(0)	(3)	(2)	(3)
Lymph Node, Mesenteric	(50)	(50)	(50)	(50)	(50)
Lymph Node, Pancreatic	(29)	(36)	(30)	(34)	(33)
Spleen	(50)	(50)	(50)	(50)	(50)
Pheochromocytoma Malignant, Metastatic, Adrenal Medulla		1 (2%)			
Thymus	(50)	(49)	(49)	(48)	(47)
INTEGUMENTARY SYSTEM					
Mammary Gland	(50)	(50)	(50)	(50)	(50)

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

Test Type: CHRONIC

Sodium dichromate dihydrate (VI)

Time Report Requested: 10:38:19

Route: DOSED WATER

CAS Number: 7789-12-0

First Dose M/F: 10/02/02 / 10/02/02

Species/Strain: RATS/F 344

Lab: SRI

FISCHER 344 RATS FEMALE	0 MG/L	14.3 MG/L	57.3 MG/L	172 MG/L	516 MG/L
Adenoma	2 (4%)	1 (2%)	3 (6%)		
Carcinoma		3 (6%)	1 (2%)	1 (2%)	
Fibroadenoma	13 (26%)	16 (32%)	20 (40%)	19 (38%)	14 (28%)
Fibroadenoma, Multiple	24 (48%)	15 (30%)	17 (34%)	11 (22%)	9 (18%)
Skin	(50)	(50)	(50)	(50)	(50)
Basal Cell Carcinoma		1 (2%)			
Keratoacanthoma	1 (2%)				
Sebaceous Gland, Adenoma	1 (2%)		1 (2%)		
Subcutaneous Tissue, Fibroma	1 (2%)		4 (8%)	1 (2%)	3 (6%)
Subcutaneous Tissue, Fibroma, Multiple				1 (2%)	
Subcutaneous Tissue, Fibrosarcoma		1 (2%)			
Subcutaneous Tissue, Lipoma		1 (2%)		1 (2%)	
Subcutaneous Tissue, Liposarcoma			1 (2%)		
Subcutaneous Tissue, Sarcoma				1 (2%)	
Subcutaneous Tissue, Schwannoma		1 (2%)			
Malignant					
MUSCULOSKELETAL SYSTEM					
Bone	(50)	(50)	(50)	(50)	(50)
NERVOUS SYSTEM					
Brain	(50)	(50)	(50)	(50)	(50)
Carcinoma, Metastatic, Pituitary Gland	1 (2%)	1 (2%)		1 (2%)	1 (2%)
Squamous Cell Carcinoma, Metastatic, Oral Mucosa					1 (2%)
RESPIRATORY SYSTEM					
Larynx	(0)	(0)	(0)	(1)	(1)
Squamous Cell Carcinoma					1 (100%)
Lung	(50)	(50)	(50)	(50)	(50)
Alveolar/Bronchiolar Adenoma	4 (8%)	3 (6%)	2 (4%)	3 (6%)	3 (6%)
Carcinoma, Metastatic, Clitoral Gland		1 (2%)			
Carcinoma, Metastatic, Uncertain Primary Site					1 (2%)
Squamous Cell Carcinoma, Metastatic, Oral Mucosa					2 (4%)

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

Test Type: CHRONIC

Sodium dichromate dihydrate (VI)

Time Report Requested: 10:38:19

Route: DOSED WATER

CAS Number: 7789-12-0

First Dose M/F: 10/02/02 / 10/02/02

Species/Strain: RATS/F 344

Lab: SRI

FISCHER 344 RATS FEMALE	0 MG/L	14.3 MG/L	57.3 MG/L	172 MG/L	516 MG/L
Nose Squamous Cell Carcinoma, Metastatic, Oral Mucosa	(50)	(50)	(50)	(50)	(50) 1 (2%)
SPECIAL SENSES SYSTEM					
Eye	(50)	(50)	(50)	(50)	(50)
Harderian Gland Adenoma	(50)	(50)	(50)	(50)	(50)
Squamous Cell Carcinoma, Metastatic, Oral Mucosa				1 (2%) 1 (2%)	1 (2%)
Zymbal's Gland Carcinoma	(1) 1 (100%)	(0)	(0)	(0)	(1) 1 (100%)
URINARY SYSTEM					
Kidney	(50)	(50)	(50)	(50)	(50)
Urinary Bladder Papilloma	(49)	(50)	(50)	(50)	(49) 1 (2%)
SYSTEMIC LESIONS					
Multiple Organs Leukemia Mononuclear	*(50) 8 (16%)	*(50) 18 (36%)	*(50) 13 (26%)	*(50) 7 (14%)	*(50) 11 (22%)

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

Sodium dichromate dihydrate (VI)

Time Report Requested: 10:38:19

Route: DOSED WATER

CAS Number: 7789-12-0

First Dose M/F: 10/02/02 / 10/02/02

Species/Strain: RATS/F 344

Lab: SRI

FISCHER 344 RATS FEMALE	0 MG/L	14.3 MG/L	57.3 MG/L	172 MG/L	516 MG/L
-------------------------	--------	-----------	-----------	----------	----------

Tumor Summary for Females

Total Animals with Primary Neoplasms (b)	49	48	50	49	47
Total Primary Neoplasms	126	144	130	114	104
Total Animals with Benign Neoplasms	47	46	47	46	37
Total Benign Neoplasms	103	103	106	93	68
Total Animals with Malignant Neoplasms	19	30	19	18	30
Total Malignant Neoplasms	23	41	24	21	36
Total Animals with Metastatic Neoplasms	2	3		2	8
Total Metastatic Neoplasms	3	5		2	10
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