

Experiment Number: 05131-03
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P02: INCIDENCE RATES OF NEOPLASMS BY ANATOMIC SITE (a)
Test Compound: SODIUM FLUORIDE

Date Report Requested: 10/19/2014
Time Report Requested: 03:23:45
First Dose M/F: NA / NA
Lab: NIEHS

C Number: C55221C
Lock Date: Not Entered.
Cage Range: All
Date Range: All
Reasons For Removal: All
Removal Date Range: All
Treatment Groups: All
Study Gender: Male
PWG Approval Date: 10/15/1997

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F 344/N Rat MALE	VEHICLE CONTROL	250 PPM	IRRAD WATER	250 PPM IRR FL
Disposition Summary				
Animals Initially In Study	50	50	49	50
Early Deaths				
Accidentally Killed			1	3
Moribund Sacrifice	17	14	11	7
Natural Death	7	8	8	6
Survivors				
Natural Death	2			2
Terminal Sacrifice	24	28	29	32
Animals Examined Microscopically	49	49	49	50
ALIMENTARY SYSTEM				
Oral Mucosa	(7)	(5)	(4)	(8)
Squamous Cell Carcinoma	5 (71%)	5 (100%)	2 (50%)	3 (38%)
Tooth	(0)	(0)	(0)	(1)
Tooth, Incisor	(47)	(49)	(48)	(47)
Tooth, Molar	(49)	(49)	(49)	(50)
CARDIOVASCULAR SYSTEM				
None				
ENDOCRINE SYSTEM				
Adrenal Cortex	(0)	(0)	(0)	(2)
GENERAL BODY SYSTEM				
Tissue NOS	(0)	(1)	(0)	(0)
Osteosarcoma		1 (100%)		

GENITAL SYSTEM

None

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b - Primary tumors: all tumors except metastatic tumors

* Number of animals with any tissue examined microscopically

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HEMATOPOIETIC SYSTEM				
Bone Marrow	(9)	(2)	(5)	(4)
Femur, Histiocytic Sarcoma, Metastatic, Uncertain Primary Site				1 (25%)
Femur, Leukemia Mononuclear	2 (22%)	1 (50%)	1 (20%)	
Femur, Leukemia Mononuclear, Metastatic, Uncertain Primary Site	5 (56%)		2 (40%)	
Femur, Sarcoma, Metastatic, Uncertain Primary Site		1 (50%)		
Humerus, Histiocytic Sarcoma, Metastatic, Uncertain Primary Site				1 (25%)
Humerus, Leukemia Mononuclear	2 (22%)		1 (20%)	
Humerus, Leukemia Mononuclear, Metastatic, Uncertain Primary Site	5 (56%)		2 (40%)	
Humerus, Sarcoma, Metastatic, Uncertain Primary Site		1 (50%)		
Joint, Leukemia Mononuclear, Metastatic, Uncertain Primary Site	4 (44%)		2 (40%)	
Joint, Lymphoma Malignant, Metastatic, Uncertain Primary Site	1 (11%)			
Maxilla, Leukemia Mononuclear, Metastatic, Uncertain Primary Site			1 (20%)	
Maxilla, Lymphoma Malignant, Metastatic, Uncertain Primary Site	1 (11%)			
Rib, Histiocytic Sarcoma, Metastatic, Uncertain Primary Site				1 (25%)
Tibia, Histiocytic Sarcoma, Metastatic, Uncertain Primary Site				1 (25%)
Tibia, Leukemia Mononuclear	2 (22%)		1 (20%)	
Tibia, Leukemia Mononuclear, Metastatic, Uncertain Primary Site	5 (56%)		2 (40%)	

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F 344/N Rat MALE	VEHICLE CONTROL	250 PPM	IRRAD WATER	250 PPM IRR	FL
Vertebra, Histiocytic Sarcoma, Metastatic, Uncertain Primary Site					1 (25%)
Vertebra, Leukemia Mononuclear	1 (11%)		1 (20%)		
Vertebra, Leukemia Mononuclear, Metastatic, Uncertain Primary Site	1 (11%)				
Vertebra, Lymphoma Malignant, Metastatic, Uncertain Primary Site	1 (11%)				
INTEGUMENTARY SYSTEM					
None					
MUSCULOSKELETAL SYSTEM					
Bone, Cranium	(1)	(1)	(1)	(0)	
Squamous Cell Carcinoma	1 (100%)				
Bone, Femur	(28)	(19)	(19)	(21)	
Lymphoma Malignant	1 (4%)				
Bone, Humerus	(21)	(13)	(16)	(14)	
Bone, Intervertebral Disc	(4)	(0)	(7)	(0)	
Bone, Joint	(23)	(16)	(17)	(17)	
Lymphoma Malignant	1 (4%)				
Sarcoma, Metastatic, Uncertain Primary Site			1 (6%)		
Bone, Mandible	(1)	(0)	(0)	(1)	
Osteosarcoma	1 (100%)			1 (100%)	
Bone, Maxilla	(49)	(49)	(48)	(50)	
Sarcoma	1 (2%)				
Squamous Cell Carcinoma	5 (10%)	5 (10%)	1 (2%)	3 (6%)	
Bone, Pelvis	(1)	(0)	(1)	(0)	
Lymphoma Malignant	1 (100%)				
Osteosarcoma	1 (100%)				
Bone, Radius	(0)	(0)	(0)	(1)	

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Bone, Rib	(0)	(2)	(1)	(1)
Sarcoma, Metastatic, Uncertain Primary Site		1 (50%)		
Bone, Scapula	(0)	(0)	(2)	(0)
Bone, Tarsal	(0)	(0)	(1)	(0)
Bone, Tibia	(28)	(17)	(19)	(20)
Lymphoma Malignant	1 (4%)			
Bone, Vertebra	(14)	(15)	(18)	(14)
Lymphoma Malignant	1 (7%)			
Sarcoma, Metastatic, Uncertain Primary Site		1 (7%)		
NERVOUS SYSTEM				
None				
RESPIRATORY SYSTEM				
None				
SPECIAL SENSES SYSTEM				
None				
URINARY SYSTEM				
None				
SYSTEMIC LESIONS				
Multiple Organ	*(49)	*(49)	*(49)	*(50)
Histiocytic Sarcoma				1 (2%)
Leukemia Mononuclear	7 (14%)	1 (2%)	3 (6%)	
Lymphoma Malignant	1 (2%)			

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Tumor Summary for MALE				
Total Animals with Primary Neoplasms (b)	9	7	3	4
Total Primary Neoplasms	17	12	4	7
Total Animals with Benign Neoplasms				
Total Benign Neoplasms				
Total Animals with Malignant Neoplasms	9	7	3	4
Total Malignant Neoplasms	17	12	4	7
Total Animals with Metastatic Neoplasms	6	1	3	1
Total Metastatic Neoplasms	23	4	10	5
Total Animals with Malignant Neoplasms Uncertain Primary Site	6	1	3	1
Total Animals with Neoplasms Uncertain - Benign or Malignant				
Total Uncertain Neoplasms				

**** END OF REPORT ****

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