

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

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

Test Compound: SODIUM FLUORIDE

Date Report Requested: 10/19/2014
Time Report Requested: 03:23:52
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

Experiment Number: 05131-03

Test Type: CHRONIC

Route: DOSED WATER

Species/Strain: Rat/F 344/N

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

Test Compound: SODIUM FLUORIDE

Date Report Requested: 10/19/2014

Time Report Requested: 03:23:52

First Dose M/F: NA / NA

Lab: NIEHS

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

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

b - Primary tumors: all tumors except metastatic tumors

* Number of animals with any tissue examined microscopically

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F 344/N Rat MALE	VEHICLE CONTROL	250 PPM	IRRAD WATER	250 PPM IRR FL
HEMATOPOIETIC SYSTEM				
Bone Marrow	(9)	(2)	(5)	(4)
Femur, Sarcoma, Metastatic, Uncertain Primary Site		1 (50%)		
Humerus, Sarcoma, Metastatic, Uncertain Primary Site		1 (50%)		
INTEGUMENTARY SYSTEM				
None				
MUSCULOSKELETAL SYSTEM				
Bone, Cranium	(1)	(1)	(1)	(0)
Squamous Cell Carcinoma	1 (100%)			
Bone, Femur	(28)	(19)	(19)	(21)
Bone, Humerus	(21)	(13)	(16)	(14)
Bone, Intervertebral Disc	(4)	(0)	(7)	(0)
Bone, Joint	(23)	(16)	(17)	(17)
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)
Osteosarcoma	1 (100%)			
Bone, Radius	(0)	(0)	(0)	(1)
Bone, Rib	(0)	(2)	(1)	(1)
Sarcoma, Metastatic, Uncertain Primary Site		1 (50%)		

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F 344/N Rat MALE	VEHICLE CONTROL	250 PPM	IRRAD WATER	250 PPM IRR FL
Bone, Scapula	(0)	(0)	(2)	(0)
Bone, Tarsal	(0)	(0)	(1)	(0)
Bone, Tibia	(28)	(17)	(19)	(20)
Bone, Vertebra	(14)	(15)	(18)	(14)
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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