

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

P03: INCIDENCE RATES OF NON-NEOPLASTIC LESIONS BY ANATOMIC SITE (a)
Test Compound: SODIUM FLUORIDE

Date Report Requested: 10/19/2014
Time Report Requested: 03:23:48
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)
Hyperplasia, Squamous	1 (14%)			4 (50%)
Inflammation, Suppurative, Chronic, Focal	1 (14%)		2 (50%)	1 (13%)
Ulcer	1 (14%)		1 (25%)	
Tooth	(0)	(0)	(0)	(1)
Malformation, Focal				1 (100%)
Tooth, Incisor	(47)	(49)	(48)	(47)
Ameloblast, Degeneration		6 (12%)	2 (4%)	8 (17%)
Ameloblast, Degeneration, Focal		2 (4%)		3 (6%)
Dentine, Malformation		9 (18%)	2 (4%)	7 (15%)
Dysplasia	1 (2%)		2 (4%)	
Enamel, Malformation, Focal		6 (12%)		9 (19%)
Odontoblast, Degeneration, Focal	10 (21%)	21 (43%)	15 (31%)	15 (32%)
Pulp, Ectopic Tissue, Focal	11 (23%)	16 (33%)	20 (42%)	14 (30%)
Tooth, Molar	(49)	(49)	(49)	(50)
Inflammation, Suppurative, Chronic	41 (84%)	44 (90%)	39 (80%)	46 (92%)
CARDIOVASCULAR SYSTEM				
None				

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

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ENDOCRINE SYSTEM				
Adrenal Cortex	(0)	(0)	(0)	(2)
GENERAL BODY SYSTEM				
Tissue NOS	(0)	(1)	(0)	(0)
GENITAL SYSTEM				
None				
HEMATOPOIETIC SYSTEM				
Bone Marrow	(9)	(2)	(5)	(4)
Femur, Hyperplasia			1 (20%)	1 (25%)
Femur, Hyperplasia, Focal				1 (25%)
Humerus, Hyperplasia			1 (20%)	
Humerus, Hyperplasia, Focal			1 (20%)	1 (25%)
Humerus, Joint, Hyperplasia	1 (11%)			
Humerus, Vertebra, Hyperplasia	1 (11%)			
Tibia, Hyperplasia			1 (20%)	
Vertebra, Hyperplasia, Focal				1 (25%)
INTEGUMENTARY SYSTEM				
None				
MUSCULOSKELETAL SYSTEM				
Bone, Cranium	(1)	(1)	(1)	(0)
Fibrous Osteodystrophy			1 (100%)	
Inflammation, Suppurative, Chronic, Focal		1 (100%)		
Bone, Femur	(28)	(19)	(19)	(21)
Atrophy	1 (4%)			
Endosteum, Hyperostosis			1 (5%)	1 (5%)
Fibrosis, Focal				1 (5%)
Fibrous Osteodystrophy			1 (5%)	

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Bone, Humerus	(21)	(13)	(16)	(14)
Cyst	1 (5%)			
Endosteum, Hyperostosis			1 (6%)	1 (7%)
Fibrosis, Focal				1 (7%)
Fibrous Osteodystrophy			1 (6%)	
Bone, Intervertebral Disc	(4)	(0)	(7)	(0)
Degeneration, Focal	3 (75%)		6 (86%)	
Inflammation, Granulomatous	1 (25%)			
Proliferation, Focal	1 (25%)		1 (14%)	
Bone, Joint	(23)	(16)	(17)	(17)
Bone, Mandible	(1)	(0)	(0)	(1)
Bone, Maxilla	(49)	(49)	(48)	(50)
Inflammation, Suppurative, Chronic, Focal		1 (2%)		
Nasolacrim Dct, Cyst	1 (2%)			
Bone, Pelvis	(1)	(0)	(1)	(0)
Bone, Radius	(0)	(0)	(0)	(1)
Bone, Rib	(0)	(2)	(1)	(1)
Costochon Jct, Degeneration		1 (50%)	1 (100%)	
Bone, Scapula	(0)	(0)	(2)	(0)
Degeneration, Focal			1 (50%)	
Bone, Tarsal	(0)	(0)	(1)	(0)
Bone, Tibia	(28)	(17)	(19)	(20)
Atrophy	1 (4%)			
Endosteum, Hyperostosis			2 (11%)	1 (5%)
Endosteum, Hyperostosis, Focal	1 (4%)			
Fibrosis, Focal				1 (5%)
Fibrous Osteodystrophy			1 (5%)	
Periosteum, Hyperplasia	1 (4%)			
Bone, Vertebra	(14)	(15)	(18)	(14)
Atrophy	1 (7%)			

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Endosteum, Hyperostosis			1 (6%)	1 (7%)
Fibrosis, Focal				1 (7%)
Fibrous Osteodystrophy			1 (6%)	
<hr/>				
NERVOUS SYSTEM				
None				
<hr/>				
RESPIRATORY SYSTEM				
None				
<hr/>				
SPECIAL SENSES SYSTEM				
None				
<hr/>				
URINARY SYSTEM				
None				

**** END OF REPORT ****

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