

Experiment Number: 20540-03
Test Type: 150-DAY
Route: DOSED WATER
Species/Strain: Rat/F344/N Tac

P03: INCIDENCE RATES OF NON-NEOPLASTIC LESIONS BY ANATOMIC SITE (a)

Test Compound: N-Nitrosodimethylamine (TGMX rat liver evaluation)
CAS Number: 62-75-9

Date Report Requested: 10/16/2014
Time Report Requested: 06:39:27
First Dose M/F: NA / NA
Lab: BAT

C Number:	C20540D
Lock Date:	08/01/2007
Cage Range:	All
Date Range:	All
Reasons For Removal:	All
Removal Date Range:	All
Treatment Groups:	All
Study Gender:	Male
PWG Approval Date	NONE

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F344/N Tac Rat MALE	0 ppm	DMNA 5ppm
Disposition Summary		
Animals Initially In Study	24	24
Scheduled Sacrifice	18	18
Early Deaths		
Survivors		
Terminal Sacrifice	6	6
Animals Examined Microscopically	24	24
ALIMENTARY SYSTEM		
Esophagus	(12)	(12)
Intestine Large, Cecum	(12)	(12)
Intestine Large, Colon	(12)	(12)
Intestine Large, Rectum	(12)	(12)
Intestine Small, Duodenum	(12)	(12)
Intestine Small, Ileum	(12)	(12)
Intestine Small, Jejunum	(12)	(12)
Liver	(24)	(24)
Basophilic Focus		1 (4%)
Bile Duct, Hyperplasia	4 (17%)	2 (8%)
Clear Cell Focus	1 (4%)	1 (4%)
Fatty Change	5 (21%)	13 (54%)
Hepatocyte, Hypertrophy		18 (75%)
Hepatodiaphragmatic Nodule		3 (13%)
Infiltration Cellular, Mononuclear CI	24 (100%)	24 (100%)
Mitotic Alteration	11 (46%)	3 (13%)
Oval Cell, Hyperplasia		1 (4%)
Periportal, Fibrosis		1 (4%)
Pancreas	(12)	(12)
Inflammation, Chronic		3 (25%)
Salivary Glands	(12)	(12)

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

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Stomach, Forestomach	(12)	(12)
Stomach, Glandular	(12)	(12)
CARDIOVASCULAR SYSTEM		
Blood Vessel	(12)	(12)
Heart	(12)	(12)
Cardiomyopathy	11 (92%)	11 (92%)
ENDOCRINE SYSTEM		
Adrenal Cortex	(12)	(12)
Vacuolization Cytoplasmic	1 (8%)	
Adrenal Medulla	(12)	(12)
Islets, Pancreatic	(12)	(12)
Parathyroid Gland	(12)	(11)
Pituitary Gland	(12)	(12)
Metaplasia	1 (8%)	
Pars Distalis, Hyperplasia	1 (8%)	
Thyroid Gland	(12)	(12)
GENERAL BODY SYSTEM		
None		
GENITAL SYSTEM		
Epididymis	(12)	(12)
Infiltration Cellular, Mononuclear CI	1 (8%)	
Preputial Gland	(12)	(12)
Inflammation, Chronic	8 (67%)	12 (100%)
Prostate	(12)	(12)
Seminal Vesicle	(12)	(12)
Testes	(12)	(12)
HEMATOPOIETIC SYSTEM		
Bone Marrow	(12)	(12)

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Lymph Node	(0)	(1)
Lymph Node, Mandibular	(12)	(12)
Lymph Node, Mesenteric	(12)	(12)
Hyperplasia, Histiocytic	10 (83%)	9 (75%)
Spleen	(12)	(12)
Thymus	(12)	(12)
INTEGUMENTARY SYSTEM		
Mammary Gland	(12)	(12)
Skin	(12)	(12)
MUSCULOSKELETAL SYSTEM		
Bone	(12)	(12)
NERVOUS SYSTEM		
Brain	(12)	(12)
RESPIRATORY SYSTEM		
Lung	(12)	(12)
Alveolar Epith, Hyperplasia	1 (8%)	1 (8%)
Alveolus, Infiltration Cellular, Histiocyte	2 (17%)	
Hemorrhage	2 (17%)	1 (8%)
Inflammation, Chronic	3 (25%)	7 (58%)
Nose	(12)	(12)
Goblet Cell, Hyperplasia	1 (8%)	1 (8%)
Inflammation, Chronic	3 (25%)	1 (8%)
Trachea	(12)	(12)
Inflammation, Chronic	2 (17%)	4 (33%)
SPECIAL SENSES SYSTEM		
Eye	(12)	(12)
Harderian Gland	(12)	(12)
Inflammation, Chronic	1 (8%)	1 (8%)

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URINARY SYSTEM		
Kidney	(24)	(24)
Infiltration Cellular, Mononuclear CI	5 (21%)	5 (21%)
Mineralization	2 (8%)	6 (25%)
Nephropathy	10 (42%)	8 (33%)
Papilla, Inflammation, Chronic	1 (4%)	
Urinary Bladder	(12)	(12)

**** END OF REPORT ****

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