

Study Number: C94043-04
Test Type: TOX
Route: Dosing in Water
Species/Strain: Mouse/B6C3F1/N

PA18: Incidence Rates of Non-Neoplastic Lesions by Anatomic Site with Average Severity Grades
Test Compound: Sodium Metavanadate
CAS Number: 13718-26-8

Date Report Requested: 01/10/2022
Time Report Requested: 11:21:48
Lab: Battelle with EPL

Study Number: C94043-04
Study Gender: Both
PWG Approval Date: See web page for date of PWG Approval
Version: v1.3.5

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Lab: Battelle with EPL

Male: Core Males

Treatment Groups (mg/L)

0 31.3 62.5 125 250 500

Disposition Summary

Animals Initially In Study	10	10	10	10	10	10
Censored						
Early Deaths						
Sacrificed, Moribund						1
Survivors						
Scheduled Sacrifice, Terminal	10	10	10	10	10	9
Number Animals Examined Microscopically	10	10	10	10	10	10

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	Treatment Groups (mg/L)					
	0	31.3	62.5	125	250	500
ALIMENTARY SYSTEM						
ESOPHAGUS	(10)	(0)	(0)	(0)	(0)	(10)
GALLBLADDER	(10)	(0)	(0)	(0)	(0)	(9)
INTESTINE, LARGE, CECUM EROSION	(10)	(0)	(0)	(0)	(0)	(10) 1 [2.0]
INTESTINE, LARGE, COLON EPITHELIUM; HYPERPLASIA	(10)	(0)	(0)	(0)	(10)	(10) 1 [1.0]
INTESTINE, LARGE, RECTUM	(10)	(0)	(0)	(0)	(0)	(10)
INTESTINE, SMALL, DUODENUM	(10)	(0)	(0)	(0)	(0)	(10)
INTESTINE, SMALL, ILEUM EPITHELIUM; HYPERPLASIA	(10)	(0)	(10)	(10) 2 [1.0]	(10) 5 [2.0]	(10) 7 [1.3]
INTESTINE, SMALL, JEJUNUM INFILTRATE, CELLULAR; NEUTROPHIL	(10) 1 [2.0]	(0)	(0)	(0)	(10)	(10)
LIVER CLEAR CELL FOCUS	(10) 1	(0)	(0)	(0)	(0)	(10)
PANCREAS ACINUS; SECRETORY DEPLETION ACINUS; VACUOLATION	(10) 1 [2.0]	(0)	(0)	(0)	(0)	(10) 1 [4.0]
SALIVARY GLANDS	(10)	(0)	(0)	(0)	(0)	(10)
STOMACH, FORESTOMACH	(10)	(0)	(0)	(0)	(0)	(10)
STOMACH, GLANDULAR	(10)	(0)	(0)	(0)	(0)	(10)
CARDIOVASCULAR SYSTEM						
AORTA	(10)	(0)	(0)	(0)	(0)	(10)
HEART	(10)	(0)	(0)	(0)	(0)	(10)

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	Treatment Groups (mg/L)					
	0	31.3	62.5	125	250	500
ENDOCRINE SYSTEM						
ADRENAL GLAND	(10)	(0)	(0)	(0)	(0)	(10)
CORTEX; HYPERTROPHY; FOCAL						1 [3.0]
PARATHYROID GLAND	(7)	(0)	(0)	(0)	(0)	(9)
CYST						1
PITUITARY GLAND	(10)	(0)	(0)	(0)	(0)	(9)
THYROID GLAND	(9)	(0)	(0)	(0)	(0)	(10)
FOLLICLE; DEGENERATION	1 [2.0]					
GENERAL BODY SYSTEM						
No Tissues/Organs Examined						
GENITAL SYSTEM						
EPIDIDYMIS	(10)	(10)	(10)	(10)	(10)	(10)
PREPUTIAL GLAND	(10)	(0)	(0)	(0)	(0)	(10)
PROSTATE	(10)	(0)	(0)	(0)	(0)	(10)
SEMINAL VESICLE	(10)	(0)	(0)	(0)	(0)	(10)
TESTIS	(10)	(10)	(10)	(10)	(10)	(10)
GERMINAL EPITHELIUM; DEGENERATION					1 [1.0]	
HEMATOLYMPHOID SYSTEM						
BONE MARROW	(10)	(0)	(0)	(0)	(0)	(10)
LYMPH NODE, MANDIBULAR	(10)	(0)	(0)	(0)	(0)	(10)
LYMPH NODE, MESENTERIC	(10)	(0)	(0)	(0)	(0)	(10)
SPLEEN	(10)	(0)	(0)	(0)	(0)	(10)
ATROPHY						1 [2.0]
THYMUS	(9)	(0)	(0)	(0)	(0)	(9)
INTEGUMENTARY SYSTEM						
MAMMARY GLAND	(0)	(0)	(0)	(0)	(0)	(1)
SKIN	(10)	(0)	(0)	(0)	(0)	(10)

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Male: Core Males

	Treatment Groups (mg/L)					
	0	31.3	62.5	125	250	500
MUSCULOSKELETAL SYSTEM						
BONE, FEMUR	(10)	(0)	(0)	(0)	(0)	(10)
MUSCLE, THIGH	(10)	(0)	(0)	(0)	(0)	(10)
NERVOUS SYSTEM						
BRAIN	(10)	(0)	(0)	(0)	(0)	(10)
NERVE, SCIATIC	(10)	(0)	(0)	(0)	(0)	(10)
NERVE, TRIGEMINAL	(10)	(0)	(0)	(0)	(0)	(10)
SPINAL CORD, CERVICAL	(10)	(0)	(0)	(0)	(0)	(10)
SPINAL CORD, LUMBAR	(10)	(0)	(0)	(0)	(0)	(10)
SPINAL CORD, THORACIC	(10)	(0)	(0)	(0)	(0)	(10)
RESPIRATORY SYSTEM						
LUNG	(10)	(0)	(0)	(0)	(0)	(10)
NOSE	(10)	(0)	(0)	(0)	(0)	(10)
TRACHEA	(10)	(0)	(0)	(0)	(0)	(10)
SPECIAL SENSES SYSTEM						
EYE	(10)	(0)	(0)	(0)	(0)	(10)
HARDERIAN GLAND	(10)	(0)	(0)	(0)	(0)	(10)
URINARY SYSTEM						
KIDNEY	(10)	(0)	(10)	(10)	(10)	(10)
CHRONIC PROGRESSIVE NEPHROPATHY	2 [1.0]		1 [1.0]	4 [1.0]	2 [1.0]	1 [1.0]
RENAL TUBULE; CYTOPLASMIC ALTERATION					2 [2.0]	10 [2.7]
URINARY BLADDER	(10)	(0)	(0)	(0)	(0)	(9)

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Female: Core Females

	Treatment Groups (mg/L)					
	0	31.3	62.5	125	250	500
Disposition Summary						
Animals Initially In Study	10	10	10	10	10	10
Censored						
Early Deaths						
Sacrificed, Moribund					1	
Survivors						
Scheduled Sacrifice, Terminal	10	10	10	10	9	10
Number Animals Examined Microscopically	10	10	10	10	10	10
ALIMENTARY SYSTEM						
ESOPHAGUS	(10)	(0)	(0)	(0)	(1)	(10)
GALLBLADDER	(9)	(0)	(0)	(0)	(1)	(9)
INTESTINE, LARGE, CECUM	(10)	(0)	(0)	(0)	(10)	(10)
INTESTINE, LARGE, COLON	(10)	(0)	(0)	(0)	(10)	(10)
INTESTINE, LARGE, RECTUM	(10)	(0)	(0)	(0)	(10)	(10)
INTESTINE, SMALL, DUODENUM	(10)	(0)	(0)	(0)	(10)	(10)
INTESTINE, SMALL, ILEUM	(10)	(0)	(10)	(10)	(10)	(10)
EPITHELIUM; HYPERPLASIA				2 [1.0]	9 [1.7]	8 [1.4]
INTESTINE, SMALL, JEJUNUM	(10)	(0)	(0)	(0)	(10)	(10)
EPITHELIUM; HYPERPLASIA						1 [1.0]
LIVER	(10)	(0)	(0)	(0)	(1)	(10)
PANCREAS	(10)	(0)	(0)	(0)	(1)	(10)
SALIVARY GLANDS	(10)	(0)	(0)	(0)	(1)	(10)
MONONUCLEAR CELL; INFILTRATE, CELLULAR	1 [1.0]					
STOMACH, FORESTOMACH	(10)	(0)	(0)	(0)	(1)	(10)
STOMACH, GLANDULAR	(10)	(0)	(0)	(0)	(1)	(10)
HYALINE DROPLET	1 [1.0]					

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Female: Core Females

	Treatment Groups (mg/L)					
	0	31.3	62.5	125	250	500
CARDIOVASCULAR SYSTEM						
AORTA	(10)	(0)	(0)	(0)	(1)	(10)
HEART	(10)	(0)	(0)	(0)	(1)	(10)
ENDOCRINE SYSTEM						
ADRENAL GLAND	(10)	(0)	(0)	(0)	(1)	(10)
PARATHYROID GLAND	(10)	(0)	(0)	(0)	(1)	(8)
PITUITARY GLAND	(10)	(0)	(0)	(0)	(1)	(10)
THYROID GLAND	(10)	(0)	(0)	(0)	(1)	(10)
GENERAL BODY SYSTEM						
No Tissues/Organs Examined						
GENITAL SYSTEM						
CERVIX	(10)	(0)	(0)	(0)	(1)	(10)
CLITORAL GLAND	(10)	(0)	(0)	(0)	(1)	(10)
OVARY	(10)	(0)	(0)	(0)	(1)	(10)
UTERUS	(10)	(0)	(0)	(0)	(1)	(10)
ENDOMETRIUM; HYPERPLASIA; CYSTIC	1 [1.0]					1 [1.0]
VAGINA	(10)	(0)	(0)	(0)	(1)	(10)
HEMATOLYMPHOID SYSTEM						
BONE MARROW	(10)	(0)	(0)	(0)	(10)	(10)
LYMPH NODE, MANDIBULAR	(10)	(0)	(0)	(0)	(1)	(10)
LYMPH NODE, MESENTERIC	(10)	(0)	(0)	(0)	(1)	(10)
SPLEEN	(10)	(0)	(0)	(0)	(1)	(10)
THYMUS	(10)	(0)	(0)	(0)	(10)	(9)
INTEGUMENTARY SYSTEM						
MAMMARY GLAND	(10)	(0)	(0)	(0)	(1)	(10)
SKIN	(10)	(0)	(0)	(0)	(10)	(10)

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	Treatment Groups (mg/L)					
	0	31.3	62.5	125	250	500
MUSCULOSKELETAL SYSTEM						
BONE	(0)	(0)	(0)	(0)	(1)	(0)
FRACTURE					1	
BONE, FEMUR	(10)	(0)	(0)	(0)	(1)	(10)
MUSCLE, THIGH	(10)	(0)	(0)	(0)	(1)	(10)
NERVOUS SYSTEM						
BRAIN	(10)	(0)	(0)	(0)	(1)	(10)
NERVE, SCIATIC	(10)	(0)	(0)	(0)	(10)	(10)
NERVE, TRIGEMINAL	(10)	(0)	(0)	(0)	(10)	(10)
SPINAL CORD, CERVICAL	(10)	(0)	(0)	(0)	(10)	(10)
SPINAL CORD, LUMBAR	(10)	(0)	(0)	(0)	(10)	(10)
SPINAL CORD, THORACIC	(10)	(0)	(0)	(0)	(10)	(10)
RESPIRATORY SYSTEM						
LUNG	(10)	(0)	(0)	(0)	(1)	(10)
NOSE	(10)	(0)	(0)	(0)	(1)	(10)
TRACHEA	(10)	(0)	(0)	(0)	(1)	(10)
SPECIAL SENSES SYSTEM						
EYE	(10)	(0)	(0)	(0)	(1)	(10)
HARDERIAN GLAND	(10)	(0)	(0)	(0)	(1)	(10)
URINARY SYSTEM						
KIDNEY	(10)	(10)	(10)	(10)	(10)	(10)
CHRONIC PROGRESSIVE NEPHROPATHY		2 [1.0]	2 [1.0]	5 [1.0]	7 [1.0]	2 [2.0]
URINARY BLADDER	(10)	(0)	(0)	(0)	(1)	(9)

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LEGEND

Censored animals are animals not in one of the other disposition categories that are removed prior to the end of the study. The censored animals are included in the pathology data.

Number of animals examined given for each tissue. If none of the animals examined have the specific lesion then there is a blank for that dose group for that specific lesion. Mean severity grade denoted by 1 - minimal, 2 - mild, 3 - moderate, 4 - marked.

Number of animals with observation reported with mean severity grade in square brackets

**** END OF REPORT ****