

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

PA10X: Statistical Analysis of Non-Neoplastic Lesions
Test Compound: Sodium Metavanadate
CAS Number: 13718-26-8

Date Report Requested: 02/14/2022
Time Report Requested: 06:35:54
Lab: Battelle with EPL

Study Number: C94043-04
Study Gender: Both
PWG Approval Date: See web page for date of PWG Approval
Version: v1.3.7
Stat Version: S

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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
ALIMENTARY SYSTEM						
INTESTINE, LARGE, CECUM	(10)	(0)	(0)	(0)	(0)	(10)
EROSION						1 (10%)
INTESTINE, LARGE, COLON	(10)	(0)	(0)	(0)	(10)	(10)
EPITHELIUM; HYPERPLASIA						1 (10%)
INTESTINE, SMALL, ILEUM	(10)	(0)	(10)	(10)	(10)	(10)
EPITHELIUM; HYPERPLASIA	0 **			2 (20%)	5 (50%) *	7 (70%) **
INTESTINE, SMALL, JEJUNUM	(10)	(0)	(0)	(0)	(10)	(10)
INFILTRATE, CELLULAR; NEUTROPHIL	1 (10%)					
INTESTINE, SMALL: ANY SITE	(10)	(0)	(10)	(10)	(10)	(10)
EPITHELIUM, HYPERPLASIA	0 **			2 (20%)	5 (50%) *	7 (70%) **
INTESTINE: ANY SITE	(10)	(0)	(10)	(10)	(10)	(10)
EPITHELIUM, HYPERPLASIA	0 **			2 (20%)	5 (50%) *	7 (70%) **
LIVER	(10)	(0)	(0)	(0)	(0)	(10)
CLEAR CELL FOCUS	1 (10%)					
PANCREAS	(10)	(0)	(0)	(0)	(0)	(10)
ACINUS; SECRETORY DEPLETION						1 (10%)
ACINUS; VACUOLATION	1 (10%)					

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Treatment Groups (mg/L)

0 31.3 62.5 125 250 500

CARDIOVASCULAR SYSTEM

None

ENDOCRINE SYSTEM

ADRENAL GLAND	(10)	(0)	(0)	(0)	(0)	(10)
CORTEX; HYPERTROPHY; FOCAL						1 (10%)
PARATHYROID GLAND	(7)	(0)	(0)	(0)	(0)	(9)
CYST						1 (11.1%)
THYROID GLAND	(9)	(0)	(0)	(0)	(0)	(10)
FOLLICLE; DEGENERATION	1 (11.1%)					

GENERAL BODY SYSTEM

None

GENITAL SYSTEM

TESTIS	(10)	(10)	(10)	(10)	(10)	(10)
GERMINAL EPITHELIUM; DEGENERATION					1 (10%)	

HEMATOLYMPHOID SYSTEM

SPLEEN	(10)	(0)	(0)	(0)	(0)	(10)
ATROPHY						1 (10%)

INTEGUMENTARY SYSTEM

None

MUSCULOSKELETAL SYSTEM

None

NERVOUS SYSTEM

None

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RESPIRATORY SYSTEM

None

SPECIAL SENSES SYSTEM

None

URINARY SYSTEM

KIDNEY	(10)	(0)	(10)	(10)	(10)	(10)
CHRONIC PROGRESSIVE NEPHROPATHY	2 (20%)		1 (10%)	4 (40%)	2 (20%)	1 (10%)
RENAL TUBULE; CYTOPLASMIC ALTERATION	0 **				2 (20%)	10 (100%) **

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	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						
INTESTINE, SMALL, ILEUM	(10)	(0)	(10)	(10)	(10)	(10)
EPITHELIUM; HYPERPLASIA	0 **			2 (20%)	9 (90%) **	8 (80%) **
INTESTINE, SMALL, JEJUNUM	(10)	(0)	(0)	(0)	(10)	(10)
EPITHELIUM; HYPERPLASIA						1 (10%)
INTESTINE, SMALL: ANY SITE	(10)	(0)	(10)	(10)	(10)	(10)
EPITHELIUM, HYPERPLASIA	0 **			2 (20%)	9 (90%) **	8 (80%) **
INTESTINE: ANY SITE	(10)	(0)	(10)	(10)	(10)	(10)
EPITHELIUM, HYPERPLASIA	0 **			2 (20%)	9 (90%) **	8 (80%) **
SALIVARY GLANDS	(10)	(0)	(0)	(0)	(1)	(10)
MONONUCLEAR CELL; INFILTRATE, CELLULAR	1 (10%)					
STOMACH, GLANDULAR	(10)	(0)	(0)	(0)	(1)	(10)
HYALINE DROPLET	1 (10%)					
CARDIOVASCULAR SYSTEM						
None						
ENDOCRINE SYSTEM						
None						

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	0	31.3	62.5	125	250	500
GENERAL BODY SYSTEM						
None						
GENITAL SYSTEM						
UTERUS	(10)	(0)	(0)	(0)	(1)	(10)
ENDOMETRIUM; HYPERPLASIA; CYSTIC	1 (10%)					1 (10%)
HEMATOLYMPHOID SYSTEM						
None						
INTEGUMENTARY SYSTEM						
None						
MUSCULOSKELETAL SYSTEM						
BONE	(0)	(0)	(0)	(0)	(1)	(0)
FRACTURE					1 (100%)	
NERVOUS SYSTEM						
None						
RESPIRATORY SYSTEM						
None						
SPECIAL SENSES SYSTEM						
None						
URINARY SYSTEM						
KIDNEY	(10)	(10)	(10)	(10)	(10)	(10)
CHRONIC PROGRESSIVE NEPHROPATHY	0	2 (20%)	2 (20%)	5 (50%) *	7 (70%) **	2 (20%)

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LEGEND

Number of animals examined for each tissue shown in parentheses. If none of the animals examined have the specific lesion then there is a blank for that dose group for that specific lesion. The exception to this is if statistical significance is found for a lesion and the control group has no animals with the lesion then a 0 is included for the control group on the table for that lesion.

Number of animals with observation reported with percent incidence in parentheses

For some animals in the middle dose groups, an organ was analyzed only after a gross lesion was detected. These findings were not analyzed statistically against the control group.

Statistical analysis performed by Cochran-Armitage (trend) and Fisher Exact (pairwise) one-sided tests.

Statistical significance for the control group indicates a significant trend test

Statistical significance for a treatment group indicates a significant pairwise test compared to the vehicle control group

* Statistically significant at $P \leq 0.05$

** Statistically significant at $P \leq 0.01$

**** END OF REPORT ****