

Study Number: C08004-04
Test Type: TOX
Route: Dosing in Water
Species/Strain: Mouse/B6C3F1/N

PA03: Non-Neoplastic Lesion Summary with Percent Incidence

Test Compound: Vanadyl sulfate

CAS Number: 27774-13-6

Date Report Requested: 01/10/2022

Time Report Requested: 10:53:56

Lab: Battelle

Study Number:

C08004-04

Study Gender:

Both

PWG Approval Date:

See web page for date of PWG Approval

Version:

v1.3.5

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Lab: Battelle

Species/Strain: Mouse/B6C3F1/N

Male: Core Males

	Treatment Groups (mg/L)					
	0	21.0	41.9	83.8	168	335
Disposition Summary						
Animals Initially In Study	10	10	10	10	10	10
Censored						
Early Deaths						
Survivors						
Scheduled Sacrifice, Terminal	10	10	10	10	10	10
Number Animals Examined Microscopically	10		9	9	10	10
ALIMENTARY SYSTEM						
ESOPHAGUS	(10)	(0)	(0)	(0)	(0)	(10)
GALLBLADDER	(10)	(0)	(0)	(0)	(0)	(9)
INTESTINE, LARGE, CECUM	(10)	(0)	(0)	(0)	(0)	(10)
INTESTINE, LARGE, COLON	(10)	(0)	(0)	(0)	(0)	(10)
INTESTINE, LARGE, RECTUM	(10)	(0)	(0)	(0)	(0)	(10)
INTESTINE, SMALL, DUODENUM	(10)	(0)	(0)	(0)	(0)	(10)
INTESTINE, SMALL, ILEUM	(10)	(0)	(9)	(9)	(9)	(10)
EPITHELIUM; HYPERPLASIA				2 (22%)	3 (33%)	9 (90%)
INTESTINE, SMALL, JEJUNUM	(10)	(0)	(0)	(0)	(10)	(10)
EPITHELIUM; HYPERPLASIA						1 (10%)
LIVER	(10)	(0)	(0)	(0)	(0)	(10)
INFILTRATION, CELLULAR; MIXED CELL						3 (30%)
PANCREAS	(10)	(0)	(0)	(0)	(0)	(10)
SALIVARY GLANDS	(10)	(0)	(0)	(0)	(0)	(10)
INFILTRATION, CELLULAR; MONONUCLEAR CELL	1 (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)	(9)
HEART	(10)	(0)	(0)	(0)	(0)	(10)

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	Treatment Groups (mg/L)					
	0	21.0	41.9	83.8	168	335
ENDOCRINE SYSTEM						
ADRENAL GLAND	(10)	(0)	(0)	(0)	(0)	(10)
ISLETS, PANCREATIC	(10)	(0)	(0)	(0)	(0)	(10)
PARATHYROID GLAND	(9)	(0)	(0)	(0)	(0)	(8)
PITUITARY GLAND	(10)	(0)	(0)	(0)	(0)	(10)
THYROID GLAND	(10)	(0)	(0)	(0)	(0)	(9)
GENERAL BODY SYSTEM						
No Tissues/Organs Examined						
GENITAL SYSTEM						
EPIDIDYMIS	(10)	(0)	(0)	(0)	(0)	(10)
PREPUTIAL GLAND	(10)	(0)	(0)	(0)	(0)	(10)
PROSTATE	(10)	(0)	(0)	(0)	(0)	(10)
INFILTRATION, CELLULAR; MONONUCLEAR CELL	1 (10%)					
SEMINAL VESICLE	(10)	(0)	(0)	(0)	(0)	(10)
TESTIS	(10)	(0)	(0)	(0)	(0)	(10)
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)
EXTRAMEDULLARY HEMATOPOEISIS; INCREASED	1 (10%)					1 (10%)
THYMUS	(10)	(0)	(0)	(0)	(0)	(10)
INTEGUMENTARY SYSTEM						
SKIN	(10)	(0)	(0)	(0)	(0)	(10)
MUSCULOSKELETAL SYSTEM						
BONE, FEMUR	(10)	(0)	(0)	(0)	(0)	(10)
MUSCLE, THIGH	(10)	(0)	(0)	(0)	(0)	(10)

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Male: Core Males

	Treatment Groups (mg/L)					
	0	21.0	41.9	83.8	168	335
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	(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)	(0)	(0)	(0)	(10)
CHRONIC PROGRESSIVE NEPHROPATHY	3 (30%)					1 (10%)
INFARCT	1 (10%)					
INFILTRATION, CELLULAR; MONONUCLEAR CELL	5 (50%)					2 (20%)
PELVIS; INFLAMMATION; ACUTE						1 (10%)
URINARY BLADDER	(10)	(0)	(0)	(0)	(0)	(10)

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Lab: Battelle

Species/Strain: Mouse/B6C3F1/N

Female: Core Females

	Treatment Groups (mg/L)					
	0	21.0	41.9	83.8	168	335
Disposition Summary						
Animals Initially In Study	10	10	10	10	10	10
Censored						
Early Deaths						
Survivors						
Scheduled Sacrifice, Terminal	10	10	10	10	10	10
Number Animals Examined Microscopically	10		10	10	10	10
ALIMENTARY SYSTEM						
ESOPHAGUS	(10)	(0)	(0)	(0)	(0)	(10)
GALLBLADDER	(10)	(0)	(0)	(0)	(0)	(9)
INTESTINE, LARGE, CECUM	(10)	(0)	(0)	(0)	(0)	(10)
INTESTINE, LARGE, COLON	(10)	(0)	(0)	(0)	(0)	(10)
INTESTINE, LARGE, RECTUM	(10)	(0)	(0)	(0)	(0)	(10)
INTESTINE, SMALL, DUODENUM	(10)	(0)	(0)	(0)	(0)	(10)
INTESTINE, SMALL, ILEUM	(10)	(0)	(10)	(9)	(10)	(10)
EPITHELIUM; HYPERPLASIA				1 (11%)	5 (50%)	10 (100%)
INTESTINE, SMALL, JEJUNUM	(10)	(0)	(10)	(10)	(10)	(10)
EPITHELIUM; HYPERPLASIA					1 (10%)	2 (20%)
LIVER	(10)	(0)	(0)	(0)	(0)	(10)
INFILTRATION, CELLULAR; MIXED CELL	3 (30%)					1 (10%)
NECROSIS; FOCAL	1 (10%)					
PANCREAS	(10)	(0)	(0)	(0)	(0)	(10)
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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Female: Core Females

	Treatment Groups (mg/L)					
	0	21.0	41.9	83.8	168	335
ENDOCRINE SYSTEM						
ADRENAL GLAND	(10)	(0)	(0)	(0)	(0)	(10)
ISLETS, PANCREATIC	(10)	(0)	(0)	(0)	(0)	(10)
PARATHYROID GLAND	(7)	(0)	(0)	(0)	(0)	(6)
PITUITARY GLAND	(9)	(0)	(0)	(0)	(0)	(10)
THYROID GLAND	(10)	(0)	(0)	(0)	(0)	(10)
THYMUS; ECTOPIC TISSUE						1 (10%)
GENERAL BODY SYSTEM						
No Tissues/Organs Examined						
GENITAL SYSTEM						
CERVIX	(10)	(0)	(0)	(0)	(0)	(10)
CLITORAL GLAND	(10)	(0)	(0)	(0)	(0)	(10)
OVARY	(10)	(0)	(0)	(0)	(0)	(10)
THROMBUS	1 (10%)					
UTERUS	(10)	(0)	(0)	(0)	(0)	(10)
VAGINA	(10)	(0)	(0)	(0)	(0)	(10)
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)
EXTRAMEDULLARY HEMATOPOEISIS; INCREASED	2 (20%)					4 (40%)
THYMUS	(10)	(0)	(0)	(0)	(0)	(10)
INTEGUMENTARY SYSTEM						
MAMMARY GLAND	(10)	(0)	(0)	(0)	(0)	(10)
SKIN	(10)	(0)	(0)	(0)	(0)	(10)

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Female: Core Females

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	0	21.0	41.9	83.8	168	335
MUSCULOSKELETAL SYSTEM						
BONE, FEMUR	(10)	(0)	(0)	(0)	(0)	(10)
MUSCLE, THIGH	(10)	(0)	(0)	(0)	(0)	(10)
DEGENERATION	1 (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	(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)	(0)	(0)	(0)	(10)
CHRONIC PROGRESSIVE NEPHROPATHY	1 (10%)					2 (20%)
INFILTRATION, CELLULAR; MONONUCLEAR CELL	5 (50%)					1 (10%)
URINARY BLADDER	(10)	(0)	(0)	(0)	(0)	(10)

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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.

Number of animals with observation reported with percent incidence in parentheses

**** END OF REPORT ****