

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

I04: Mean Body Weight Summary
Test Compound: Vanadyl sulfate
CAS Number: 27774-13-6

Date Report Requested: 05/10/2022
Time Report Requested: 07:25:42
Lab: Battelle

Study Number: C08004-04
Study Gender: Both
PWG Approval Date: See web page for date of PWG Approval
Version: v1.4.1
Stat Version: v2.8.7A

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Males: Core Males

Treatment Groups (mg/L)

Phase Day	0			21			41.9			83.8		
	Wt (g)	N		Wt (g)	% of CNTL	N	Wt (g)	% of CNTL	N	Wt (g)	% of CNTL	N
SD0	21.3 ± 0.3	10		21.3 ± 0.3	99.7	10	21.4 ± 0.4	100.1	10	21.4 ± 0.3	100.2	10
SD7	23.2 ± 0.3	10		23.1 ± 0.3	99.6	10	23.1 ± 0.4	99.7	10	23.1 ± 0.4	99.7	10
SD14	24.4 ± 0.3	10		24.4 ± 0.3	100.1	10	24.6 ± 0.4	100.9	10	24.3 ± 0.4	99.9	10
SD21	26.1 ± 0.4 **	10		25.8 ± 0.4	99.0	10	25.9 ± 0.4	99.3	10	25.8 ± 0.5	99.0	10
SD28	27.4 ± 0.5 **	10		27.2 ± 0.4	99.1	10	27.0 ± 0.5	98.6	10	27.4 ± 0.6	99.9	10
SD35	29.0 ± 0.6 **	10		28.5 ± 0.5	98.4	10	28.8 ± 0.7	99.2	10	28.8 ± 0.7	99.4	10
SD42	30.0 ± 0.7 **	10		29.7 ± 0.6	98.8	10	30.0 ± 0.7	99.7	10	29.9 ± 0.8	99.6	10
SD49	31.3 ± 0.7 **	10		31.0 ± 0.7	99.1	10	31.1 ± 0.8	99.5	10	31.1 ± 0.8	99.3	10
SD56	31.9 ± 0.8 **	10		31.9 ± 0.8	99.9	10	31.9 ± 1.0	100.0	10	31.7 ± 0.8	99.4	10
SD63	33.3 ± 1.0 **	10		33.3 ± 0.9	100.1	10	33.5 ± 1.1	100.6	10	33.2 ± 0.9	99.8	10
SD70	34.0 ± 0.9 **	10		34.2 ± 1.0	100.6	10	34.4 ± 1.2	101.4	10	33.3 ± 1.1	98.1	10
SD77	35.0 ± 0.9 **	10		35.7 ± 1.0	102.1	10	35.3 ± 1.2	100.8	10	35.0 ± 1.1	100.0	10
SD84	35.8 ± 1.0 **	10		36.1 ± 1.1	100.7	10	36.1 ± 1.4	100.7	10	35.9 ± 1.2	100.3	10
SD91	36.2 ± 1.3 *	5		37.5 ± 1.2	103.6	5	36.2 ± 1.5	99.9	5	37.8 ± 1.7	104.2	5
SD92	38.1 ± 1.9 *	5		36.5 ± 2.0	96.0	5	38.2 ± 2.4	100.5	5	36.6 ± 2.0	96.3	5

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Males: Core Males

Phase Day	Treatment Groups (mg/L)					
	168			335		
	Wt (g)	% of CNTL	N	Wt (g)	% of CNTL	N
SD0	21.2 ± 0.4	99.5	10	21.4 ± 0.3	100.0	10
SD7	22.9 ± 0.3	98.8	10	22.4 ± 0.3	96.5	10
SD14	24.0 ± 0.4	98.6	10	23.3 ± 0.4	95.6	10
SD21	25.3 ± 0.3	96.7	10	24.3 ± 0.4 **	93.1	10
SD28	26.3 ± 0.3	96.0	10	25.4 ± 0.4 **	92.5	10
SD35	27.5 ± 0.3	94.9	10	26.5 ± 0.4 **	91.3	10
SD42	28.2 ± 0.3	94.0	10	27.3 ± 0.4 **	91.0	10
SD49	29.3 ± 0.4	93.6	10	28.5 ± 0.5 **	91.2	10
SD56	29.7 ± 0.5	92.9	10	29.0 ± 0.6 *	90.9	10
SD63	30.7 ± 0.5 *	92.1	10	29.9 ± 0.7 **	89.8	10
SD70	31.1 ± 0.6	91.5	10	29.9 ± 1.1 **	87.9	10
SD77	32.2 ± 0.7	92.0	10	31.1 ± 0.8 **	88.8	10
SD84	32.3 ± 0.8 *	90.3	10	31.4 ± 0.8 **	87.6	10
SD91	33.5 ± 0.7	92.5	5	32.4 ± 1.4	89.3	5
SD92	33.5 ± 1.5	88.1	5	32.4 ± 1.2	85.2	5

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Females: Core Females

Treatment Groups (mg/L)

Phase Day	0			21			41.9			83.8		
	Wt (g)	N		Wt (g)	% of CNTL	N	Wt (g)	% of CNTL	N	Wt (g)	% of CNTL	N
SD0	17.0 ± 0.3	10		17.0 ± 0.4	99.9	10	17.4 ± 0.3	102.4	10	17.1 ± 0.3	101.0	10
SD7	18.4 ± 0.4	10		18.2 ± 0.5	99.0	10	18.5 ± 0.3	100.3	10	18.3 ± 0.3	99.2	10
SD14	19.6 ± 0.5	10		19.5 ± 0.4	99.6	10	19.5 ± 0.4	99.5	10	19.3 ± 0.3	98.4	10
SD21	20.7 ± 0.4	10		20.4 ± 0.5	98.8	10	20.5 ± 0.4	99.2	10	20.6 ± 0.5	99.5	10
SD28	21.5 ± 0.6	10		21.3 ± 0.5	99.1	10	21.7 ± 0.6	100.8	10	21.3 ± 0.6	99.2	10
SD35	22.8 ± 0.6	10		22.0 ± 0.5	96.6	10	21.9 ± 0.5	96.1	10	22.7 ± 0.8	99.6	10
SD42	23.5 ± 0.8	10		23.3 ± 0.6	99.4	10	22.5 ± 0.5	95.8	10	23.1 ± 0.8	98.5	10
SD49	24.3 ± 0.6	10		23.9 ± 0.7	98.3	10	24.1 ± 0.7	99.3	10	24.0 ± 0.9	98.8	10
SD56	25.1 ± 0.6	10		24.0 ± 0.8	95.8	10	23.9 ± 0.5	95.5	10	24.8 ± 1.0	99.1	10
SD63	25.8 ± 1.1	10		25.7 ± 0.8	99.6	10	26.0 ± 0.8	100.5	10	25.7 ± 1.1	99.3	10
SD70	26.8 ± 0.9	10		26.7 ± 0.8	99.3	10	26.9 ± 0.8	100.1	10	27.3 ± 1.3	101.6	10
SD77	27.3 ± 1.0	10		26.7 ± 1.0	97.6	10	27.4 ± 1.0	100.1	10	27.4 ± 1.3	100.2	10
SD84	27.2 ± 1.2	10		27.4 ± 1.1	100.9	10	27.6 ± 1.1	101.5	10	27.2 ± 1.2	100.1	10
SD91	27.7 ± 1.2	10		29.0 ± 1.1	104.6	10	29.2 ± 1.0	105.2	10	28.1 ± 1.2	101.4	10

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SD14	19.6 ± 0.4	99.8	10	18.3 ± 0.4	93.4	10
SD21	20.6 ± 0.4	99.6	10	19.3 ± 0.4	93.3	10
SD28	21.5 ± 0.5	99.8	10	20.4 ± 0.3	94.7	10
SD35	22.6 ± 0.5	99.2	10	21.1 ± 0.4	92.7	10
SD42	23.3 ± 0.7	99.4	10	21.9 ± 0.4	93.2	10
SD49	25.0 ± 0.9	103.1	10	22.6 ± 0.4	93.0	10
SD56	25.1 ± 1.1	100.0	10	23.2 ± 0.5	92.7	10
SD63	26.4 ± 1.1	102.1	10	24.3 ± 0.6	93.8	10
SD70	27.7 ± 1.1	103.1	10	24.6 ± 0.5	91.5	10
SD77	27.7 ± 1.3	101.1	10	24.7 ± 0.5	90.5	10
SD84	28.2 ± 1.3	103.6	10	25.2 ± 0.6	92.6	10
SD91	28.8 ± 1.2	104.1	10	25.3 ± 0.6	91.4	10

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LEGEND

Data are displayed as mean \pm SEM

SD – Study Day

Statistical analysis of weight data performed by Jonckheere (trend) and Williams or Dunnett (pairwise) 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 $P \leq 0.01$

Half of the male animals were sacrificed on SD 91 and half were sacrificed on SD 92.

**** END OF REPORT ****