

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

I07: Mean Water Consumption
Test Compound: Vanadyl sulfate
CAS Number: 27774-13-6

Date Report Requested: 08/12/2021
Time Report Requested: 12:57:05
Lab: Battelle

Study Number: C08004-04
Study Gender: Both
PWG Approval Date: See web page for date of PWG Approval
Version: v1.2.9
Stat Version: v2.6.0A

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Males: Core Males

Treatment Groups (mg/L)

Phase	Days	0			21			41.9		
		Wt (g/animal/day)	Wt (g/kg/day)	N	Wt (g/animal/day)	Wt (g/kg/day)	N	Wt (g/animal/day)	Wt (g/kg/day)	N
Study	0 - 7	3.2 ± 0.1 **	143.8 ± 3.9 **	10	3.0 ± 0.1	135.8 ± 4.0	10	3.1 ± 0.1	141.0 ± 3.1	10
	7 - 14	3.2 ± 0.1 **	137.0 ± 3.4 **	10	3.0 ± 0.1	127.8 ± 5.6	10	3.4 ± 0.2	143.7 ± 7.1	10
	14 - 21	3.3 ± 0.1 **	130.3 ± 3.3 *	10	3.1 ± 0.1	123.8 ± 3.7	10	3.3 ± 0.1	130.0 ± 3.4	10
	21 - 28	3.4 ± 0.1 **	129.1 ± 5.3 *	10	3.2 ± 0.1	120.1 ± 2.8	10	3.5 ± 0.1	131.0 ± 5.9	10
	28 - 35	3.2 ± 0.1 **	115.0 ± 2.6	10	3.2 ± 0.1	115.5 ± 3.4	10	3.3 ± 0.1	117.1 ± 3.6	10
	35 - 42	3.4 ± 0.1 **	115.1 ± 2.6	10	3.5 ± 0.1	120.4 ± 3.7	10	3.5 ± 0.1	121.0 ± 3.8	10
	42 - 49	3.4 ± 0.1	110.3 ± 3.3	9	3.4 ± 0.1	111.4 ± 3.7	10	3.3 ± 0.1	110.0 ± 3.5	10
	49 - 56	3.5 ± 0.1 **	109.9 ± 2.9	10	3.7 ± 0.2	119.0 ± 5.9	10	3.4 ± 0.1	110.1 ± 4.8	10
	56 - 63	3.4 ± 0.1 *	105.0 ± 3.7	10	3.5 ± 0.1	107.3 ± 4.9	10	3.6 ± 0.1	109.9 ± 5.2	10
	63 - 70	3.4 ± 0.1 *	102.7 ± 4.5	10	3.3 ± 0.1	97.9 ± 4.2	10	3.4 ± 0.1	101.4 ± 5.5	10
	70 - 77	3.6 ± 0.2 *	105.8 ± 8.2	10	3.3 ± 0.1	95.2 ± 4.8	10	3.4 ± 0.1	98.5 ± 4.3	10
	77 - 84	3.4 ± 0.1	97.0 ± 3.3	10	3.3 ± 0.1	92.5 ± 4.4	10	3.6 ± 0.1	100.8 ± 3.9	10
	84 - 91	3.5 ± 0.1	98.7 ± 4.7	10	3.3 ± 0.1	91.3 ± 4.1	10	3.5 ± 0.1	96.8 ± 5.6	10
0 - 91	3.4 ± 0.0 **	114.5 ± 3.3	10	3.3 ± 0.1	111.2 ± 3.2	10	3.4 ± 0.1	115.1 ± 3.6	10	

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Treatment Groups (mg/L)

Phase	Days	83.8			168			335		
		Wt (g/animal/day)	Wt (g/kg/day)	N	Wt (g/animal/day)	Wt (g/kg/day)	N	Wt (g/animal/day)	Wt (g/kg/day)	N
Study	0 - 7	3.1 ± 0.1	138.0 ± 3.9	10	3.1 ± 0.1	139.4 ± 4.9	10	2.4 ± 0.1 **	109.5 ± 3.3 **	10
	7 - 14	3.1 ± 0.1	130.8 ± 2.3	10	3.1 ± 0.1	134.2 ± 3.9	10	2.4 ± 0.1 **	104.7 ± 2.5 **	10
	14 - 21	3.3 ± 0.1	131.0 ± 3.1	10	3.2 ± 0.1	131.6 ± 4.3	10	2.6 ± 0.1 **	108.7 ± 2.7 **	10
	21 - 28	3.3 ± 0.1	124.2 ± 2.6	10	3.2 ± 0.1	125.7 ± 3.9	10	2.7 ± 0.1 **	107.7 ± 2.5 **	10
	28 - 35	3.3 ± 0.1	117.0 ± 3.2	10	3.2 ± 0.1	120.6 ± 3.8	10	2.6 ± 0.1 **	102.1 ± 2.6	10
	35 - 42	3.5 ± 0.1	120.8 ± 4.4	10	3.4 ± 0.1	121.4 ± 3.7	10	2.9 ± 0.1 **	106.7 ± 2.9	10
	42 - 49	3.4 ± 0.1	112.3 ± 4.2	10	3.4 ± 0.1	117.0 ± 3.8	10	3.0 ± 0.1	106.0 ± 3.8	10
	49 - 56	3.4 ± 0.1	109.2 ± 3.8	10	3.3 ± 0.1	113.5 ± 1.4	10	2.9 ± 0.1 **	100.6 ± 2.7	10
	56 - 63	3.6 ± 0.1	111.9 ± 5.7	10	3.5 ± 0.1	114.5 ± 3.0	10	2.9 ± 0.1 *	98.8 ± 2.5	10
	63 - 70	3.3 ± 0.1	98.9 ± 4.6	10	3.4 ± 0.1	109.2 ± 3.5	10	2.6 ± 0.3 *	85.1 ± 8.2	10
	70 - 77	3.3 ± 0.1	98.8 ± 5.1	10	3.3 ± 0.1	105.5 ± 3.6	10	3.0 ± 0.1	99.5 ± 3.9	10
	77 - 84	3.5 ± 0.1	98.7 ± 3.8	10	3.5 ± 0.1	108.6 ± 4.3	9	3.0 ± 0.1	97.4 ± 3.0	10
	84 - 91	3.5 ± 0.1	97.3 ± 4.1	10	3.5 ± 0.1	107.5 ± 3.5	10	3.1 ± 0.1	99.3 ± 3.3	10
0 - 91	3.3 ± 0.0	113.7 ± 3.1	10	3.3 ± 0.1	119.0 ± 2.7	10	2.8 ± 0.1 **	102.6 ± 2.5	10	

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Females: Core Females

Treatment Groups (mg/L)

Phase	Days	0			21			41.9		
		Wt (g/animal/day)	Wt (g/kg/day)	N	Wt (g/animal/day)	Wt (g/kg/day)	N	Wt (g/animal/day)	Wt (g/kg/day)	N
Study	0 - 7	2.4 ± 0.0 **	134.1 ± 3.7 **	10	1.9 ± 0.0 **	110.7 ± 2.9 **	10	2.0 ± 0.0 **	110.8 ± 2.3 **	10
	7 - 14	2.7 ± 0.0 **	140.9 ± 3.0 **	10	2.3 ± 0.0 **	120.9 ± 3.0 **	10	2.3 ± 0.0 **	119.5 ± 2.5 **	10
	14 - 21	2.8 ± 0.0 **	142.2 ± 2.9 **	10	2.3 ± 0.0 **	117.7 ± 2.8 **	10	2.4 ± 0.0 **	121.9 ± 2.7 **	10
	21 - 28	2.8 ± 0.0 **	135.4 ± 2.9 **	10	2.5 ± 0.1 **	118.6 ± 3.9 **	10	2.5 ± 0.0 **	118.9 ± 3.0 **	10
	28 - 35	2.8 ± 0.0 **	126.2 ± 3.7 **	10	2.5 ± 0.0 **	116.8 ± 3.6	10	2.3 ± 0.1 **	106.2 ± 3.8 **	10
	35 - 42	2.8 ± 0.0 **	122.7 ± 3.5 **	10	2.6 ± 0.0 **	115.4 ± 3.1	10	2.5 ± 0.0 **	111.7 ± 2.6 *	10
	42 - 49	2.8 ± 0.0	120.0 ± 3.7	10	2.6 ± 0.1 *	111.0 ± 3.2	10	2.7 ± 0.0	114.9 ± 3.2	10
	49 - 56	2.9 ± 0.0 **	119.9 ± 2.5 **	10	2.6 ± 0.0 **	110.3 ± 3.1 *	10	2.6 ± 0.0 **	107.2 ± 2.8 **	10
	56 - 63	2.8 ± 0.0 **	110.3 ± 3.5	10	2.7 ± 0.0	109.7 ± 4.0	10	2.5 ± 0.0 **	100.0 ± 2.3	10
	63 - 70	2.8 ± 0.0 **	109.4 ± 3.8 *	10	2.7 ± 0.0 **	102.4 ± 3.5	10	2.4 ± 0.0 **	92.1 ± 2.9 *	10
	70 - 77	2.9 ± 0.0 *	107.7 ± 3.6	10	2.5 ± 0.1 **	93.1 ± 3.3	10	2.4 ± 0.0 **	88.1 ± 3.3 **	10
	77 - 84	2.8 ± 0.1 *	102.7 ± 4.8	10	2.5 ± 0.1	94.6 ± 3.6	10	2.4 ± 0.0 **	90.1 ± 3.7	10
	84 - 91	2.6 ± 0.0 **	97.7 ± 4.2	10	2.5 ± 0.1	91.0 ± 3.2	10	2.3 ± 0.0 **	83.8 ± 3.2 *	10
	0 - 91	2.8 ± 0.0 **	119.3 ± 3.4 **	10	2.5 ± 0.0 **	107.4 ± 3.0 *	10	2.4 ± 0.0 **	103.5 ± 2.8 **	10

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		Wt (g/animal/day)	Wt (g/kg/day)	N	Wt (g/animal/day)	Wt (g/kg/day)	N	Wt (g/animal/day)	Wt (g/kg/day)	N
Study	0 - 7	2.0 ± 0.0 **	114.2 ± 3.0 **	10	1.9 ± 0.1 **	104.8 ± 4.8 **	10	1.2 ± 0.0 **	71.7 ± 1.9 **	10
	7 - 14	2.1 ± 0.1 **	112.9 ± 4.3 **	10	2.2 ± 0.1 **	113.8 ± 3.3 **	10	1.5 ± 0.0 **	85.5 ± 1.6 **	10
	14 - 21	2.1 ± 0.0 **	105.9 ± 2.0 **	10	2.3 ± 0.0 **	114.4 ± 2.0 **	10	1.7 ± 0.0 **	91.4 ± 1.7 **	10
	21 - 28	2.2 ± 0.0 **	105.7 ± 2.1 **	10	2.4 ± 0.0 **	114.9 ± 2.1 **	10	2.0 ± 0.0 **	100.2 ± 1.6 **	10
	28 - 35	2.3 ± 0.0 **	103.1 ± 2.5 **	10	2.4 ± 0.0 **	107.9 ± 2.1 **	10	2.1 ± 0.0 **	100.2 ± 1.9 **	10
	35 - 42	2.3 ± 0.0 **	102.8 ± 3.0 **	10	2.5 ± 0.0 **	108.9 ± 2.3 **	10	2.3 ± 0.0 **	107.8 ± 1.5 **	10
	42 - 49	2.5 ± 0.0 **	105.0 ± 3.1	10	2.7 ± 0.0	110.9 ± 3.0	10	2.8 ± 0.1	126.3 ± 7.0	10
	49 - 56	2.4 ± 0.1 **	98.8 ± 2.9 **	10	2.4 ± 0.0 **	98.5 ± 3.6 **	10	2.4 ± 0.1 **	105.0 ± 2.2 **	10
	56 - 63	2.4 ± 0.0 **	94.5 ± 3.5 *	10	2.5 ± 0.0 **	98.0 ± 3.9	10	3.2 ± 0.2 **	135.1 ± 11.8	10
	63 - 70	2.5 ± 0.0 **	97.4 ± 4.0	10	2.4 ± 0.0 **	91.7 ± 3.8 *	10	2.4 ± 0.0 **	97.9 ± 1.9	10
	70 - 77	2.4 ± 0.0 **	88.1 ± 3.2 **	10	2.5 ± 0.0 **	90.8 ± 3.4 *	10	2.5 ± 0.0 **	101.0 ± 1.9	10
	77 - 84	2.4 ± 0.0 **	89.3 ± 4.5	10	2.6 ± 0.0	93.4 ± 4.4	10	2.5 ± 0.0	102.3 ± 2.0	10
	84 - 91	2.5 ± 0.0 **	91.9 ± 3.5	10	2.4 ± 0.0 **	87.1 ± 3.7	10	2.4 ± 0.0 **	95.0 ± 2.1	10
0 - 91	2.3 ± 0.0 **	99.6 ± 2.7 **	10	2.4 ± 0.0 **	101.8 ± 2.8 **	10	2.2 ± 0.0 **	102.9 ± 2.0 **	10	

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LEGEND

Reported as the mean \pm SEM. N is the number of animals.

Water consumption values were excluded when excessive spillage was recorded.

Statistical analysis was performed by Jonckheere (trend) and Shirley or Dunn (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 $P \leq 0.01$

**** END OF REPORT ****