

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

I07: Mean Water Consumption
Test Compound: Sodium Metavanadate
CAS Number: 13718-26-8

Date Report Requested: 08/12/2021
Time Report Requested: 12:57:37
Lab: Battelle

Study Number: C94043-04
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			31.3			62.5		
		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	3.9 ± 0.2 **	160.9 ± 7.2 **	10	3.6 ± 0.1	148.8 ± 3.2	10	3.8 ± 0.1	156.6 ± 4.5	10
	7 - 14	3.7 ± 0.1 **	144.7 ± 5.1 **	10	3.6 ± 0.1	137.5 ± 4.6	10	3.4 ± 0.1	132.7 ± 3.7	9
	14 - 21	3.6 ± 0.1 **	134.8 ± 4.6 **	10	3.6 ± 0.1	134.1 ± 2.9	10	3.6 ± 0.1	134.9 ± 3.0	10
	21 - 28	4.3 ± 0.5 **	150.6 ± 18.2	10	3.5 ± 0.1	121.5 ± 1.7	8	3.8 ± 0.2	136.2 ± 7.4	10
	28 - 35	3.5 ± 0.1 **	118.7 ± 2.7 **	10	3.6 ± 0.2	123.6 ± 9.6	10	3.5 ± 0.2	120.7 ± 6.4	8
	35 - 42	3.5 ± 0.1 **	112.6 ± 4.3	10	3.5 ± 0.1	110.1 ± 2.8	10	3.4 ± 0.1	110.5 ± 3.2	10
	42 - 49	3.5 ± 0.1 **	105.0 ± 3.8	10	3.3 ± 0.1	99.4 ± 1.9	10	3.4 ± 0.1	104.1 ± 3.1	10
	49 - 56	3.6 ± 0.1 **	104.8 ± 4.4	10	3.5 ± 0.1	99.8 ± 4.5	10	3.6 ± 0.2	108.2 ± 4.6	10
	56 - 63	3.4 ± 0.1 **	95.9 ± 3.4	10	3.5 ± 0.1	96.0 ± 3.6	10	3.5 ± 0.1	99.6 ± 4.3	10
	63 - 70	3.5 ± 0.1 **	93.8 ± 3.6	10	3.5 ± 0.1	92.3 ± 3.0	10	3.4 ± 0.1	93.0 ± 3.7	10
	70 - 77	3.3 ± 0.1 **	88.5 ± 3.6	10	3.5 ± 0.1	89.2 ± 3.6	10	3.4 ± 0.1	90.5 ± 4.0	10
	77 - 84	3.4 ± 0.1 **	87.6 ± 4.0	10	3.4 ± 0.1	83.6 ± 3.3	10	3.4 ± 0.1	88.0 ± 3.8	9
	84 - 91	3.5 ± 0.1 **	86.2 ± 4.0	10	3.4 ± 0.1	81.6 ± 3.0	10	3.3 ± 0.1	80.8 ± 3.6	10
	0 - 91	3.6 ± 0.1 **	110.2 ± 4.0 **	10	3.5 ± 0.1	105.6 ± 2.8	10	3.5 ± 0.1	107.7 ± 3.4	10

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Treatment Groups (mg/L)

Phase	Days	125			250			500		
		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	3.5 ± 0.1	146.7 ± 4.5	10	3.2 ± 0.1 **	135.1 ± 4.4 **	10	2.2 ± 0.1 **	96.7 ± 3.3 **	10
	7 - 14	3.5 ± 0.1	137.0 ± 5.0	10	3.2 ± 0.1 *	130.4 ± 3.7 *	10	2.1 ± 0.2 **	97.1 ± 8.6 **	10
	14 - 21	3.7 ± 0.2	137.0 ± 8.2	10	3.1 ± 0.3	119.2 ± 10.3	10	2.4 ± 0.1 **	110.4 ± 7.4 **	9
	21 - 28	3.4 ± 0.1	122.2 ± 4.8	8	3.6 ± 0.2	134.4 ± 9.2	10	2.6 ± 0.3 **	116.1 ± 11.0	8
	28 - 35	3.5 ± 0.1	118.5 ± 3.9	10	3.1 ± 0.1 **	111.8 ± 3.3	10	2.4 ± 0.1 **	98.5 ± 3.5 **	9
	35 - 42	3.5 ± 0.1	111.2 ± 3.7	10	3.2 ± 0.1	111.7 ± 5.0	10	2.6 ± 0.1 **	100.9 ± 3.1	9
	42 - 49	3.5 ± 0.1	105.8 ± 5.2	10	3.2 ± 0.1	107.4 ± 3.2	10	2.5 ± 0.1 **	93.4 ± 2.7	9
	49 - 56	3.5 ± 0.1	102.2 ± 5.4	10	3.3 ± 0.1	106.6 ± 2.5	10	2.8 ± 0.1 **	100.8 ± 4.1	9
	56 - 63	3.3 ± 0.1	91.7 ± 4.0	10	3.3 ± 0.1	101.8 ± 4.9	10	2.5 ± 0.1 **	89.6 ± 3.0	9
	63 - 70	3.3 ± 0.1	89.1 ± 3.5	10	3.2 ± 0.1	96.8 ± 2.9	10	2.5 ± 0.1 **	84.9 ± 3.3	9
	70 - 77	3.3 ± 0.1	85.6 ± 4.1	10	3.2 ± 0.1	94.1 ± 4.2	10	2.5 ± 0.1 **	85.9 ± 2.8	9
	77 - 84	3.3 ± 0.1	83.6 ± 4.7	10	3.1 ± 0.1 *	88.6 ± 2.6	10	2.5 ± 0.1 **	83.2 ± 2.2	9
	84 - 91	3.3 ± 0.1	79.2 ± 3.8	10	3.2 ± 0.1 *	87.8 ± 3.0	10	2.5 ± 0.1 **	81.2 ± 2.6	9
	0 - 91	3.4 ± 0.1	104.7 ± 3.9	10	3.2 ± 0.1 *	106.6 ± 2.9	10	2.4 ± 0.1 **	93.2 ± 2.2 **	9

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Females: Core Females

Treatment Groups (mg/L)

Phase	Days	0			31.3			62.5		
		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	2.6 ± 0.0 **	136.4 ± 2.9 **	10	2.2 ± 0.1	116.7 ± 3.5	10	2.7 ± 0.0	142.1 ± 2.2	10
	7 - 14	2.7 ± 0.0 **	138.6 ± 3.2 **	10	2.5 ± 0.1	127.6 ± 2.3	10	2.7 ± 0.0	137.9 ± 2.0	10
	14 - 21	2.6 ± 0.0 **	125.5 ± 2.9 **	10	2.3 ± 0.0	110.1 ± 1.9	10	2.8 ± 0.0	131.1 ± 2.6	10
	21 - 28	2.7 ± 0.0 **	128.5 ± 4.0 **	10	2.4 ± 0.1	107.8 ± 3.0	10	2.9 ± 0.0	131.1 ± 2.7	10
	28 - 35	2.5 ± 0.0 **	113.0 ± 3.5 **	10	2.5 ± 0.0	110.8 ± 2.0	10	2.8 ± 0.1	118.9 ± 3.2	10
	35 - 42	2.4 ± 0.0 **	101.7 ± 1.6	10	2.4 ± 0.1	101.0 ± 2.3	10	2.7 ± 0.0	108.2 ± 2.7	10
	42 - 49	2.6 ± 0.1	105.5 ± 6.8	10	2.8 ± 0.1	110.0 ± 2.8	10	3.0 ± 0.0	113.5 ± 3.0	10
	49 - 56	2.6 ± 0.0 **	103.9 ± 2.0	10	2.9 ± 0.1	110.5 ± 3.1	10	2.8 ± 0.0	100.4 ± 3.3	10
	56 - 63	2.8 ± 0.0 **	106.2 ± 3.0 **	10	2.7 ± 0.0	98.0 ± 2.4	10	2.9 ± 0.0	102.1 ± 3.9	10
	63 - 70	2.7 ± 0.0 **	98.0 ± 3.8	10	2.8 ± 0.0	97.9 ± 2.5	10	3.0 ± 0.1	100.0 ± 4.2	10
	70 - 77	2.7 ± 0.1 **	93.3 ± 2.2	10	2.8 ± 0.0	92.1 ± 2.9	10	2.7 ± 0.1	87.5 ± 3.5	10
	77 - 84	2.7 ± 0.1 **	89.2 ± 2.4	10	3.0 ± 0.1	96.9 ± 4.5	10	3.1 ± 0.1	97.7 ± 5.9	10
	84 - 91	3.0 ± 0.1 **	97.2 ± 5.6	10	2.8 ± 0.0 **	84.0 ± 2.5	10	2.6 ± 0.0 **	78.2 ± 3.7 *	10
0 - 91	2.7 ± 0.0 **	107.8 ± 2.8 **	10	2.6 ± 0.0	103.2 ± 2.0	10	2.8 ± 0.0	107.9 ± 3.1	10	

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Phase	Days	125			250			500		
		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	2.3 ± 0.0 **	125.9 ± 1.2 *	10	1.8 ± 0.0 **	97.9 ± 1.1 **	10	1.2 ± 0.0 **	67.7 ± 1.2 **	10
	7 - 14	2.6 ± 0.0 *	132.5 ± 2.0	10	2.1 ± 0.0 **	106.5 ± 1.3 **	10	1.8 ± 0.0 **	100.0 ± 2.5 **	10
	14 - 21	2.6 ± 0.1	127.2 ± 3.3	10	2.2 ± 0.0 **	107.2 ± 1.7 **	10	1.8 ± 0.0 **	94.0 ± 1.0 **	10
	21 - 28	2.7 ± 0.0	122.1 ± 1.9	10	2.4 ± 0.0 **	111.3 ± 2.0 **	10	1.9 ± 0.0 **	91.6 ± 0.9 **	10
	28 - 35	2.4 ± 0.0	109.0 ± 1.8	10	2.3 ± 0.0 **	106.2 ± 1.3	9	2.1 ± 0.1 **	97.5 ± 2.7 **	10
	35 - 42	2.5 ± 0.0	109.3 ± 1.5	10	2.3 ± 0.0	102.2 ± 1.6	9	2.1 ± 0.0 **	94.6 ± 1.0	10
	42 - 49	2.9 ± 0.1	116.5 ± 2.2	10	2.9 ± 0.0	122.1 ± 2.9	9	2.2 ± 0.0	96.7 ± 1.4	10
	49 - 56	2.6 ± 0.0	101.3 ± 2.3	10	2.4 ± 0.0	96.0 ± 2.7	9	2.5 ± 0.2	108.9 ± 6.9	10
	56 - 63	2.7 ± 0.0	104.7 ± 2.7	10	2.5 ± 0.0 **	99.6 ± 2.5	9	2.0 ± 0.0 **	84.2 ± 0.6 **	10
	63 - 70	2.8 ± 0.0	101.3 ± 2.3	10	2.7 ± 0.0	104.4 ± 2.3	9	2.0 ± 0.0 **	84.5 ± 1.4	10
	70 - 77	2.6 ± 0.0	92.3 ± 2.3	10	2.6 ± 0.0	100.9 ± 2.9	9	2.1 ± 0.0 **	86.3 ± 0.6	10
	77 - 84	2.9 ± 0.0	99.4 ± 3.5	10	2.7 ± 0.0	101.2 ± 2.9 *	9	2.3 ± 0.0 *	93.3 ± 0.9	10
	84 - 91	2.8 ± 0.0 **	92.4 ± 2.7	10	2.7 ± 0.0 **	101.2 ± 3.3	9	2.1 ± 0.1 **	85.4 ± 2.2	10
	0 - 91	2.6 ± 0.0	108.3 ± 1.9	10	2.4 ± 0.0 **	103.8 ± 1.9	9	2.0 ± 0.0 **	91.2 ± 0.8 **	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 $P \leq 0.01$

One value from the 31.3 mg/L group for SD 21 to 28 was removed as an outlier for the male data.

**** END OF REPORT ****