

Study Number: I94043
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: 14:28:36
Lab: Burleson Research Technologies

Study Number: I94043
Study Gender: Female
PWG Approval Date: See web page for date of PWG Approval
Version: v1.2.9
Stat Version: v2.6.0A

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Females: Immunophenotyping

Treatment Groups (ppm)

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	5.2 ± 0.2 **	248.8 ± 8.7 **	8	5.3 ± 0.0	251.4 ± 4.4	8	4.0 ± 0.1 **	192.3 ± 2.2 **	8
	7 - 14	5.3 ± 0.0 **	241.3 ± 3.6 **	8	5.2 ± 0.1	238.2 ± 5.0	8	4.6 ± 0.2 **	210.8 ± 5.8 **	8
	14 - 21	5.5 ± 0.1 **	238.1 ± 5.9 **	8	4.2 ± 0.0 **	184.8 ± 3.4 **	8	4.3 ± 0.1 **	189.6 ± 4.4 **	8
	21 - 28	5.6 ± 0.1 **	233.4 ± 7.7 **	8	4.5 ± 0.0 **	189.1 ± 4.1 **	8	4.3 ± 0.0 **	185.6 ± 5.4 **	8
	0 - 28	5.4 ± 0.1 **	240.2 ± 6.4 **	8	4.8 ± 0.0 **	214.4 ± 3.7 **	8	4.3 ± 0.1 **	194.5 ± 3.4 **	8

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Females: Immunophenotyping

Treatment Groups (ppm)

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	4.0 ± 0.0 **	190.0 ± 2.7 **	8	2.9 ± 0.1 **	141.2 ± 3.0 **	8	2.1 ± 0.0 **	106.1 ± 1.4 **	8
	7 - 14	4.2 ± 0.0 **	195.1 ± 2.9 **	8	3.6 ± 0.0 **	170.4 ± 2.2 **	8	2.9 ± 0.0 **	140.1 ± 3.4 **	8
	14 - 21	4.3 ± 0.0 **	189.7 ± 2.6 **	8	3.7 ± 0.0 **	169.4 ± 1.6 **	8	2.7 ± 0.0 **	121.1 ± 2.1 **	8
	21 - 28	4.5 ± 0.0 **	190.7 ± 2.1 **	8	3.6 ± 0.0 **	160.2 ± 3.1 **	8	3.0 ± 0.1 **	132.3 ± 5.9 **	8
	0 - 28	4.3 ± 0.0 **	191.2 ± 2.0 **	8	3.4 ± 0.0 **	160.2 ± 1.9 **	8	2.7 ± 0.0 **	124.3 ± 1.9 **	8

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Lab: Burleson Research Technologies

Females: Immunopath

Treatment Groups (ppm)

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	4.1 ± 0.0 **	188.8 ± 6.2 **	8	4.2 ± 0.0	197.1 ± 4.3	8	4.2 ± 0.0	197.7 ± 5.3	8
	7 - 14	4.0 ± 0.0 *	174.3 ± 5.2	8	3.9 ± 0.1	171.4 ± 4.7	8	4.2 ± 0.0 *	189.6 ± 5.1	8
	14 - 21	3.9 ± 0.1 **	164.0 ± 4.2 **	8	3.9 ± 0.1	166.9 ± 5.0	8	4.2 ± 0.0	182.2 ± 4.8	8
	21 - 28	4.2 ± 0.0 **	170.4 ± 5.4 **	8	4.3 ± 0.1	175.9 ± 5.3	8	4.3 ± 0.1	183.2 ± 6.2	8
	0 - 28	4.1 ± 0.0 **	174.8 ± 5.2 **	8	4.1 ± 0.1	177.7 ± 4.7	8	4.2 ± 0.0	187.9 ± 5.3	8

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Lab: Burleson Research Technologies

Females: Immunopath

Treatment Groups (ppm)

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	4.0 ± 0.0 **	179.5 ± 5.4	8	3.3 ± 0.0 **	156.3 ± 3.3 **	8	1.8 ± 0.0 **	88.3 ± 3.5 **	8
	7 - 14	4.1 ± 0.0	180.4 ± 6.5	8	3.7 ± 0.0	166.4 ± 6.8	4	3.1 ± 0.1 *	151.8 ± 7.2	8
	14 - 21	4.0 ± 0.0	169.3 ± 6.8	8	3.6 ± 0.0 *	161.7 ± 3.9	8	2.4 ± 0.0 **	109.1 ± 3.7 **	8
	21 - 28	4.1 ± 0.0 *	166.6 ± 6.7	8	4.0 ± 0.1 *	175.4 ± 6.5	8	2.8 ± 0.1 **	123.3 ± 5.7 **	8
	0 - 28	4.1 ± 0.0	173.9 ± 6.4	8	3.7 ± 0.0 **	165.7 ± 4.0	8	2.5 ± 0.0 **	117.4 ± 3.7 **	8

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Females: SRBC

Treatment Groups (ppm)

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	4.5 ± 0.1 **	213.9 ± 2.4 **	7	5.0 ± 0.0	241.6 ± 3.0	8	4.3 ± 0.1	205.2 ± 5.7	8
	7 - 14	4.8 ± 0.1 **	220.4 ± 6.0 **	7	5.1 ± 0.1	234.5 ± 5.2	8	4.1 ± 0.1 **	192.2 ± 3.3 *	8
	14 - 21	4.8 ± 0.0 **	208.0 ± 3.7 **	7	4.4 ± 0.2	191.6 ± 9.3	8	3.8 ± 0.0 **	167.2 ± 2.8 **	8
	21 - 28	4.7 ± 0.1 **	199.0 ± 3.4 **	7	4.2 ± 0.2	177.7 ± 10.1	8	3.6 ± 0.0 **	152.9 ± 3.1 **	8
	0 - 28	4.7 ± 0.0 **	210.1 ± 2.5 **	7	4.7 ± 0.1	210.1 ± 5.2	8	3.9 ± 0.0 **	178.4 ± 1.9 **	8

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I07: Mean Water Consumption

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Lab: Burleson Research Technologies

Females: SRBC

Treatment Groups (ppm)

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 ± 0.0	168.9 ± 2.0	8	2.5 ± 0.0	122.6 ± 2.2	8	3.9 ± 0.8	195.8 ± 38.7	8
	7 - 14	4.0 ± 0.1 **	185.6 ± 4.1 **	8	3.0 ± 0.0 **	146.1 ± 2.3 **	8	2.7 ± 0.0 **	135.4 ± 2.9 **	8
	14 - 21	4.0 ± 0.1 **	177.5 ± 6.3 **	8	3.2 ± 0.1 **	145.7 ± 1.9 **	8	2.6 ± 0.0 **	124.0 ± 1.5 **	8
	21 - 28	3.8 ± 0.1 **	162.2 ± 5.3 **	8	2.8 ± 0.0 **	125.2 ± 1.8 **	8	2.5 ± 0.1 **	114.1 ± 3.2 **	8
	0 - 28	3.8 ± 0.1 **	173.3 ± 4.4 **	8	2.9 ± 0.0 **	134.4 ± 1.4 **	8	2.9 ± 0.2 **	140.5 ± 10.6 **	8

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Females: KLH

Treatment Groups (ppm)

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	4.9 ± 0.0 **	234.2 ± 5.3 **	8	4.3 ± 0.1 **	213.8 ± 6.9 *	8	4.0 ± 0.0 **	197.0 ± 3.7 **	8
	7 - 14	5.4 ± 0.0 **	253.8 ± 6.0 **	8	4.4 ± 0.1 **	213.5 ± 6.9 **	8	4.2 ± 0.0 **	198.2 ± 4.8 **	8
	14 - 21	5.6 ± 0.0 **	254.6 ± 6.3 **	8	5.9 ± 0.1	280.5 ± 6.4	8	4.7 ± 0.1 *	216.5 ± 7.2 *	8
	21 - 28	4.3 ± 0.1 **	192.7 ± 10.2 **	8	5.3 ± 0.0	242.6 ± 7.2	8	4.5 ± 0.1	203.7 ± 7.7	8
	0 - 28	5.0 ± 0.0 **	232.0 ± 7.1 **	8	5.0 ± 0.1	235.8 ± 6.0	8	4.3 ± 0.1 **	202.5 ± 5.2 *	8

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Lab: Burleson Research Technologies

Females: KLH

Treatment Groups (ppm)

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	3.8 ± 0.0 **	185.3 ± 4.1 **	8	3.1 ± 0.0 **	154.5 ± 3.7 **	8	2.0 ± 0.0 **	97.3 ± 1.9 **	8
	7 - 14	4.1 ± 0.1 **	191.0 ± 5.6 **	8	3.7 ± 0.1 **	176.4 ± 3.3 **	8	2.5 ± 0.0 **	122.3 ± 2.7 **	8
	14 - 21	4.5 ± 0.1 **	205.8 ± 6.4 **	8	3.9 ± 0.0 **	187.8 ± 6.0 **	4	3.3 ± 0.2 **	158.4 ± 12.6 **	8
	21 - 28	3.9 ± 0.0 *	173.9 ± 4.0	8	3.6 ± 0.1 **	166.3 ± 3.1	8	2.7 ± 0.1 **	126.2 ± 4.5 **	8
	0 - 28	4.1 ± 0.1 **	187.4 ± 4.9 **	8	3.5 ± 0.0 **	167.0 ± 3.5 **	8	2.6 ± 0.1 **	125.4 ± 4.8 **	8

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Females: CTL

Treatment Groups (ppm)

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	5.2 ± 0.2 **	243.2 ± 6.9 **	8	4.0 ± 0.0 **	187.5 ± 3.9 **	8	4.2 ± 0.0 **	200.3 ± 4.5 **	8
	7 - 14	4.9 ± 0.0 **	225.3 ± 6.4 **	8	3.9 ± 0.0 **	177.2 ± 3.2 **	8	4.2 ± 0.0 **	194.0 ± 7.0 **	8
	14 - 21	5.6 ± 0.0 **	250.3 ± 6.5 **	8	5.3 ± 0.1	235.3 ± 8.2	8	4.4 ± 0.1 **	200.3 ± 5.3 **	8
	21 - 28	3.2 ± 0.0 **	163.2 ± 5.6 **	8	3.5 ± 0.0	174.8 ± 5.5	8	2.2 ± 0.1	117.7 ± 3.6 **	8
	0 - 28	4.7 ± 0.0 **	230.7 ± 5.3 **	8	4.2 ± 0.0 **	200.2 ± 5.3 **	8	3.8 ± 0.0 **	186.9 ± 5.2 **	8

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Females: CTL

Treatment Groups (ppm)

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	4.2 ± 0.0 **	202.3 ± 4.4 **	8	3.0 ± 0.0 **	143.1 ± 2.8 **	8	2.0 ± 0.0 **	99.7 ± 2.5 **	8
	7 - 14	4.4 ± 0.0 **	203.4 ± 4.3 **	8	3.5 ± 0.0 **	165.1 ± 3.2 **	8	2.7 ± 0.1 **	132.9 ± 4.3 **	8
	14 - 21	4.7 ± 0.1 **	215.7 ± 7.0 **	8	3.8 ± 0.0 **	173.1 ± 3.5 **	8	2.9 ± 0.0 **	139.5 ± 4.6 **	8
	21 - 28	2.7 ± 0.2	140.4 ± 11.8 *	8	2.0 ± 0.1 **	104.8 ± 4.6 **	8	1.8 ± 0.1 **	102.3 ± 4.8 **	8
	0 - 28	4.0 ± 0.1 **	197.7 ± 5.8 **	8	3.0 ± 0.0 **	153.4 ± 2.6 **	8	2.4 ± 0.0 **	123.3 ± 3.1 **	8

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LEGEND

Reported as the mean \pm SEM. N is the number of animals, number of cages for group housed adult animals or number of litters.

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 ****