

**Study Number:** I94043  
**Test Type:** TOX  
**Route:** Dosing in Water  
**Species/Strain:** Mouse/B6C3F1/N

**I04: Mean Body Weight Summary**  
**Test Compound:** Sodium Metavanadate  
**CAS Number:** 13718-26-8

**Date Report Requested:** 07/08/2021  
**Time Report Requested:** 14:30:18  
**Lab:** Burleson Research Technologies

**Study Number:** I94043  
**Study Gender:** Female  
**PWG Approval Date:** See web page for date of PWG Approval  
**Version:** v1.2.7  
**Stat Version:** v2.5.2A

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**Females: Immunophenotyping**

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**Treatment Groups (ppm)**

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Phase Day	0		31.3			62.5			125		
	Wt (g)	N	Wt (g)	% from CNTL	N	Wt (g)	% from CNTL	N	Wt (g)	% from CNTL	N
SD0	20.5 ± 0.2	8	20.9 ± 0.3	2.1	8	20.6 ± 0.3	0.7	8	20.7 ± 0.3	1.2	8
SD7	21.3 ± 0.2 **	8	21.4 ± 0.3	0.2	8	21.4 ± 0.3	0.4	8	21.4 ± 0.3	0.1	8
SD14	22.3 ± 0.3 *	8	22.6 ± 0.5	1.3	8	22.4 ± 0.6	0.6	8	22.2 ± 0.3	-0.3	8
SD21	23.6 ± 0.5 **	8	23.3 ± 0.4	-1.5	8	23.3 ± 0.8	-1.3	8	23.3 ± 0.3	-1.3	8
SD28	24.3 ± 0.4 *	8	24.3 ± 0.7	0.2	8	23.8 ± 0.8	-2.2	8	24.0 ± 0.4	-1.0	8

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**Females: Immunophenotyping**

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Phase Day	Treatment Groups (ppm)								
	250			500			50 mg/kg CPS		
	Wt (g)	% from CNTL	N	Wt (g)	% from CNTL	N	Wt (g)	% from CNTL	N
SD0	20.4 ± 0.2	-0.5	8	20.9 ± 0.2	2.0	8	20.7 ± 0.3	0.9	8
SD7	20.7 ± 0.3	-2.9	8	19.4 ± 0.4 **	-9.3	8	21.6 ± 0.3	1.2	8
SD14	21.3 ± 0.3	-4.3	8	21.6 ± 0.3	-3.1	8	22.7 ± 0.5	1.9	8
SD21	22.2 ± 0.2 *	-6.2	8	22.3 ± 0.3 *	-5.6	8	24.1 ± 0.7	2.0	8
SD28	22.9 ± 0.3	-5.7	8	23.1 ± 0.3	-5.1	8	24.2 ± 0.8	-0.6	8

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**Females: Immunopath**

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**Treatment Groups (ppm)**

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Phase Day	0		31.3			62.5			125		
	Wt (g)	N	Wt (g)	% from CNTL	N	Wt (g)	% from CNTL	N	Wt (g)	% from CNTL	N
SD0	21.5 ± 0.6	8	20.8 ± 0.5	-3.3	8	20.8 ± 0.6	-3.1	8	21.9 ± 0.7	1.9	8
SD7	22.4 ± 0.6 *	8	22.2 ± 0.4	-0.6	8	21.7 ± 0.6	-3.1	8	22.5 ± 0.7	0.4	8
SD14	23.7 ± 0.8	8	23.3 ± 0.6	-1.6	8	22.6 ± 0.5	-4.6	8	23.5 ± 0.7	-0.5	8
SD21	24.6 ± 0.7 *	8	24.3 ± 0.8	-1.5	8	23.3 ± 0.6	-5.3	8	24.7 ± 0.9	0.3	8
SD28	25.3 ± 1.1	7	25.0 ± 0.9	-1.1	8	24.3 ± 0.9	-3.9	8	24.9 ± 1.1	-1.7	8

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**Females: Immunopath**

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Phase Day	Treatment Groups (ppm)								
	250			500			50 mg/kg CPS		
	Wt (g)	% from CNTL	N	Wt (g)	% from CNTL	N	Wt (g)	% from CNTL	N
SD0	21.4 ± 0.5	-0.4	8	21.2 ± 0.6	-1.4	8	21.7 ± 0.7	1.1	8
SD7	21.5 ± 0.5	-3.7	8	19.5 ± 0.9 *	-12.9	8	22.6 ± 0.9	1.1	8
SD14	22.2 ± 0.6	-6.0	8	22.0 ± 0.6	-7.1	8	24.0 ± 1.1	1.5	8
SD21	23.0 ± 0.7	-6.8	8	22.3 ± 0.6	-9.5	8	24.8 ± 1.2	0.6	8
SD28	23.5 ± 0.6	-7.2	8	23.2 ± 0.8	-8.3	8	23.7 ± 1.2	-6.2	8

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**Females: SRBC**

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**Treatment Groups (ppm)**

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Phase Day	0		31.3			62.5			125		
	Wt (g)	N	Wt (g)	% from CNTL	N	Wt (g)	% from CNTL	N	Wt (g)	% from CNTL	N
SD0	20.7 ± 0.3	8	20.6 ± 0.3	-0.5	8	20.4 ± 0.2	-1.4	8	20.8 ± 0.2	0.6	8
SD7	21.3 ± 0.3 **	7	21.1 ± 0.3	-1.2	8	21.0 ± 0.3	-1.6	8	20.9 ± 0.2	-2.1	8
SD14	22.4 ± 0.3 **	7	22.5 ± 0.5	0.5	8	22.1 ± 0.3	-1.3	8	21.8 ± 0.3	-2.5	8
SD21	23.5 ± 0.6 **	7	23.3 ± 0.4	-0.7	8	23.2 ± 0.3	-1.0	8	23.2 ± 0.4	-1.4	8
SD28	23.5 ± 0.5 **	7	23.9 ± 0.4	1.4	8	23.8 ± 0.3	1.2	8	23.2 ± 0.3	-1.4	8

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**Females: SRBC**

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Phase Day	Treatment Groups (ppm)								
	250			500			50 mg/kg CPS		
	Wt (g)	% from CNTL	N	Wt (g)	% from CNTL	N	Wt (g)	% from CNTL	N
SD0	20.8 ± 0.3	0.5	8	20.3 ± 0.2	-2.2	8	20.5 ± 0.2	-1.3	8
SD7	20.7 ± 0.2	-3.1	8	18.9 ± 0.5 **	-11.3	8	21.4 ± 0.2	0.3	8
SD14	21.1 ± 0.3 *	-5.8	8	20.4 ± 0.2 **	-8.6	8	22.3 ± 0.2	-0.4	8
SD21	22.4 ± 0.4	-4.7	8	21.6 ± 0.4 **	-8.1	8	23.7 ± 0.4	1.1	8
SD28	22.8 ± 0.3	-3.3	8	22.0 ± 0.5 **	-6.7	8	23.2 ± 0.3	-1.5	7

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**Females: KLH**

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**Treatment Groups (ppm)**

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Phase Day	0		31.3			62.5			125		
	Wt (g)	N	Wt (g)	% from CNTL	N	Wt (g)	% from CNTL	N	Wt (g)	% from CNTL	N
SD0	20.6 ± 0.5	8	19.8 ± 0.4	-3.7	8	19.9 ± 0.4	-3.5	8	20.3 ± 0.4	-1.3	8
SD7	21.2 ± 0.5	8	20.6 ± 0.4	-2.7	8	20.6 ± 0.4	-2.7	8	21.0 ± 0.4	-0.8	8
SD14	21.7 ± 0.5	8	20.9 ± 0.5	-3.7	8	21.6 ± 0.6	-0.1	8	21.7 ± 0.5	0.1	8
SD21	22.2 ± 0.6	8	21.5 ± 0.5	-3.2	8	21.9 ± 0.5	-1.5	8	22.2 ± 0.5	0.2	8
SD27	22.9 ± 0.8	8	22.5 ± 0.7	-1.4	8	22.7 ± 0.6	-0.7	8	23.1 ± 0.5	1.0	8
SD28	22.5 ± 0.9	8	22.1 ± 0.7	-1.5	8	22.5 ± 0.5	-0.1	8	22.7 ± 0.5	1.2	8



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Females: KLH

Phase Day	Treatment Groups (ppm)								
	250			500			50 mg/kg CPS		
	Wt (g)	% from CNTL	N	Wt (g)	% from CNTL	N	Wt (g)	% from CNTL	N
SD0	20.2 ± 0.4	-2.0	8	20.2 ± 0.4	-1.8	8	20.1 ± 0.3	-2.3	8
SD7	20.4 ± 0.6	-3.7	8	20.1 ± 0.3	-5.3	8	21.2 ± 0.4	0.0	8
SD14	21.2 ± 0.4	-2.3	8	20.5 ± 0.4	-5.5	8	21.7 ± 0.5	0.4	8
SD21	21.5 ± 0.5	-3.0	8	21.1 ± 0.5	-4.8	8	20.5 ± 0.5	-7.5	8
SD27	21.9 ± 0.6	-4.2	8	21.5 ± 0.4	-6.1	8	21.5 ± 0.5	-5.8	8
SD28	21.9 ± 0.5	-2.7	8	21.2 ± 0.3	-5.6	8	20.9 ± 0.5	-6.9	8

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**Females: CTL**

**Treatment Groups (ppm)**

Phase Day	0			31.3			62.5			125		
	Wt (g)	N		Wt (g)	% from CNTL	N	Wt (g)	% from CNTL	N	Wt (g)	% from CNTL	N
SD0	20.7 ± 0.4	8		20.9 ± 0.4	0.8	8	20.7 ± 0.5	-0.3	8	20.5 ± 0.5	-1.1	8
SD7	21.8 ± 0.6 *	8		21.6 ± 0.6	-0.7	8	21.4 ± 0.5	-1.9	8	21.3 ± 0.4	-2.2	8
SD14	22.2 ± 0.6	8		22.1 ± 0.4	-0.7	8	21.9 ± 0.7	-1.3	8	21.7 ± 0.5	-2.1	8
SD21	22.8 ± 0.7 *	8		23.0 ± 0.6	0.8	8	22.4 ± 0.7	-1.5	8	22.3 ± 0.6	-2.0	8
SD26	17.9 ± 0.8	4		19.6 ± 0.9	9.6	4	17.3 ± 1.0	-3.5	4	18.7 ± 0.7	4.6	4
SD27	18.5 ± 0.5 **	4		18.2 ± 0.5	-1.9	4	18.3 ± 0.5	-1.4	4	18.0 ± 0.4	-2.8	4
SD28	17.4 ± 0.6 *	8		18.5 ± 0.7	6.3	8	17.0 ± 0.6	-1.9	8	17.8 ± 0.4	2.7	8

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**Females: CTL**

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Phase Day	Treatment Groups (ppm)								
	250			500			50 mg/kg CPS		
	Wt (g)	% from CNTL	N	Wt (g)	% from CNTL	N	Wt (g)	% from CNTL	N
SD0	20.6 ± 0.4	-0.5	8	20.5 ± 0.4	-1.0	8	20.9 ± 0.4	0.8	8
SD7	20.9 ± 0.4	-4.3	8	20.0 ± 0.6	-8.1	8	21.5 ± 0.3	-1.6	8
SD14	21.5 ± 0.3	-3.2	8	21.0 ± 0.4	-5.3	8	21.9 ± 0.4	-1.4	8
SD21	22.0 ± 0.4	-3.3	8	20.9 ± 0.6	-8.3	8	22.7 ± 0.6	-0.2	8
SD26	17.8 ± 0.3	-0.7	4	17.4 ± 0.8	-2.8	4	17.7 ± 0.8	-1.1	4
SD27	17.2 ± 0.6	-7.3	4	16.6 ± 0.5 *	-10.4	4	18.6 ± 0.3	0.5	4
SD28	16.8 ± 0.4	-3.5	8	16.4 ± 0.4	-5.8	8	17.1 ± 0.4	-1.4	8

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#### LEGEND

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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 analysis for the positive control group compared to the vehicle control group was performed using the t-Test.

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  $P \leq 0.01$

CPS = Cyclophosphamide

**\*\* END OF REPORT \*\***