

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

**I04G: Mean Body Weight Gain**  
**Test Compound:** Vanadyl sulfate  
**CAS Number:** 27774-13-6

**Date Report Requested:** 06/24/2019  
**Time Report Requested:** 13:47:48  
**Lab:** Battelle

**C Number:**

C08004-04

**Study Gender:**

Both

**PWG Approval Date**

See web page for date of PWG Approval

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**Males: Core Males**

Phase	Litter ID	Days	Treatment Groups (mg/L)									
			0		21		41.9		83.8		168	
			Wt Gain (g)	N	Wt Gain (g)	N	Wt Gain (g)	N	Wt Gain (g)	N	Wt Gain (g)	N
SD		0 - 7	1.8 ± 0.1 **	10	1.8 ± 0.1	10	1.7 ± 0.1	10	1.7 ± 0.1	10	1.7 ± 0.1	10
		7 - 14	1.2 ± 0.1	10	1.3 ± 0.1	10	1.5 ± 0.1	10	1.2 ± 0.1	10	1.1 ± 0.1	10
		14 - 21	1.7 ± 0.1 **	10	1.5 ± 0.1	10	1.4 ± 0.1	10	1.5 ± 0.2	10	1.2 ± 0.2 **	10
		21 - 28	1.3 ± 0.2	10	1.3 ± 0.1	10	1.1 ± 0.1	10	1.5 ± 0.2	10	1.1 ± 0.1	10
		28 - 35	1.6 ± 0.1 *	10	1.4 ± 0.2	10	1.7 ± 0.3	10	1.4 ± 0.2	10	1.2 ± 0.1	10
		35 - 42	1.0 ± 0.1	10	1.2 ± 0.1	10	1.2 ± 0.2	10	1.1 ± 0.2	10	0.7 ± 0.1	10
		42 - 49	1.3 ± 0.1	10	1.3 ± 0.2	10	1.2 ± 0.2	10	1.2 ± 0.1	10	1.1 ± 0.1	10
		49 - 56	0.7 ± 0.2	10	0.9 ± 0.2	10	0.8 ± 0.2	10	0.7 ± 0.3	10	0.4 ± 0.1	10
		56 - 63	1.4 ± 0.2 *	10	1.4 ± 0.2	10	1.6 ± 0.2	10	1.5 ± 0.2	10	1.0 ± 0.1	10
		63 - 70	0.7 ± 0.2	10	0.8 ± 0.2	10	0.9 ± 0.2	10	0.1 ± 0.3	10	0.4 ± 0.2	10
		70 - 77	1.0 ± 0.2	10	1.5 ± 0.1	10	0.8 ± 0.5	10	1.7 ± 0.2	10	1.1 ± 0.2	10
		77 - 84	0.8 ± 0.2	10	0.3 ± 0.3	10	0.8 ± 0.5	10	0.9 ± 0.3	10	0.1 ± 0.2	10
		0 - 84	14.5 ± 0.9 **	10	14.8 ± 1.0	10	14.7 ± 1.3	10	14.5 ± 1.1	10	11.1 ± 0.9 *	10
		84 - 91	1.0 ± 0.3	5	0.7 ± 0.3	5	1.0 ± 0.3	5	1.3 ± 0.3	5	1.5 ± 0.2	5
		84 - 92	1.7 ± 0.2 *	5	1.2 ± 0.1	5	1.3 ± 0.2	5	1.2 ± 0.2	5	1.0 ± 0.1	5

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**Males: Core Males**

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Phase	Litter ID	Days	Treatment Groups	
			335	
			Wt Gain (g)	N
SD		0 - 7	1.0 ± 0.2 **	10
		7 - 14	0.9 ± 0.1	10
		14 - 21	1.0 ± 0.1 **	10
		21 - 28	1.1 ± 0.1	10
		28 - 35	1.1 ± 0.1	10
		35 - 42	0.9 ± 0.1	10
		42 - 49	1.2 ± 0.1	10
		49 - 56	0.5 ± 0.1	10
		56 - 63	0.9 ± 0.1	10
		63 - 70	-0.0 ± 0.6	10
		70 - 77	1.2 ± 0.5	10
		77 - 84	0.3 ± 0.3	10
		0 - 84	10.0 ± 0.9 **	10
		84 - 91	1.2 ± 0.1	5
		84 - 92	0.9 ± 0.4	5

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**Females: Core Females**

Phase	Litter ID	Days	Treatment Groups (mg/L)									
			0		21		41.9		83.8		168	
			Wt Gain (g)	N	Wt Gain (g)	N	Wt Gain (g)	N	Wt Gain (g)	N	Wt Gain (g)	N
SD		0 - 7	1.4 ± 0.2 **	10	1.3 ± 0.1	10	1.1 ± 0.1	10	1.1 ± 0.1	10	1.3 ± 0.2	10
		7 - 14	1.2 ± 0.3	10	1.3 ± 0.2	10	1.0 ± 0.2	10	1.0 ± 0.2	10	0.8 ± 0.1	10
		14 - 21	1.1 ± 0.2	10	0.9 ± 0.2	10	1.0 ± 0.1	10	1.3 ± 0.2	10	1.0 ± 0.1	10
		21 - 28	0.8 ± 0.3	10	0.9 ± 0.2	10	1.2 ± 0.3	10	0.8 ± 0.2	10	0.9 ± 0.2	10
		28 - 35	1.3 ± 0.4	10	0.7 ± 0.2	10	0.2 ± 0.3 *	10	1.4 ± 0.3	10	1.1 ± 0.1	10
		35 - 42	0.7 ± 0.5	10	1.3 ± 0.2	10	0.6 ± 0.2	10	0.4 ± 0.3	10	0.7 ± 0.2	10
		42 - 49	0.8 ± 0.4	10	0.5 ± 0.4	10	1.6 ± 0.3	10	0.9 ± 0.2	10	1.7 ± 0.4	10
		49 - 56	0.8 ± 0.4	10	0.1 ± 0.4	10	-0.2 ± 0.6	10	0.8 ± 0.4	10	0.0 ± 0.5	10
		56 - 63	0.8 ± 0.6	10	1.7 ± 0.2	10	2.0 ± 0.5	10	0.8 ± 0.3	10	1.3 ± 0.3	10
		63 - 70	1.0 ± 0.5	10	0.9 ± 0.3	10	0.9 ± 0.3	10	1.6 ± 0.4	10	1.3 ± 0.1	10
		70 - 77	0.5 ± 0.2	10	0.0 ± 0.4	10	0.5 ± 0.4	10	0.1 ± 0.6	10	0.0 ± 0.3	10
		77 - 84	-0.2 ± 0.5	10	0.7 ± 0.4	10	0.2 ± 0.3	10	-0.2 ± 0.3	10	0.5 ± 0.1	10
		0 - 84	10.2 ± 0.9	10	10.5 ± 0.9	10	10.2 ± 0.8	10	10.1 ± 1.0	10	10.8 ± 1.1	10
		84 - 91	0.5 ± 0.4	10	1.6 ± 0.4	10	1.6 ± 0.5	10	0.9 ± 0.3	10	0.7 ± 0.3	10

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Phase	Litter ID	Days	Treatment Groups	
			335	
			Wt Gain (g)	N
SD		0 - 7	0.1 ± 0.1 **	10
		7 - 14	1.2 ± 0.2	10
		14 - 21	1.0 ± 0.2	10
		21 - 28	1.1 ± 0.1	10
		28 - 35	0.8 ± 0.2	10
		35 - 42	0.8 ± 0.2	10
		42 - 49	0.7 ± 0.3	10
		49 - 56	0.6 ± 0.2	10
		56 - 63	1.0 ± 0.4	10
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		0 - 84	8.1 ± 0.5	10
		84 - 91	0.2 ± 0.3	10

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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 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 \*\***