

**Study Number:** C94043-03  
**Test Type:** TOX  
**Route:** Dosing in Water  
**Species/Strain:** Rat/Harlan Sprague Dawley

**R03: Summary of Litter Data**  
**Test Compound:** Sodium Metavanadate  
**CAS Number:** 13718-26-8

**Date Report Requested:** 06/11/2021  
**Time Report Requested:** 06:14:47  
**Lab:** Battelle

**Study Number:** C94043-03  
**Study Gender:** Both  
**PWG Approval Date:** See web page for date of PWG Approval  
**Version:** v1.2.3  
**Stat Version:** S

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## F1 Pups from F0 Females

	Treatment Groups (mg/L)					
	0	31.3	62.5	125	250	500
No. F0 Dams						
PND 0	16	14	16	16	13	15
Total No. Pups						
PND 0	208	155	201	207	154	157
Total Pups per Litter						
PND 0	13.0 ± 0.4 (16)	11.1 ± 1.1 (14)	12.6 ± 1.0 (16)	12.9 ± 1.0 (16)	11.8 ± 0.9 (13)	10.5 ± 0.6 (15)
Total No. Live						
PND 0	197	152	198	194	125	110
Live per Litter						
PND 0	12.3 ± 0.5 (16)	10.9 ± 1.1 (14)	12.4 ± 1.0 (16)	12.9 ± 1.0 (15)	11.4 ± 1.0 (11)	9.2 ± 1.0 (12)
PND 1	12.3 ± 0.6 (16)	10.6 ± 1.1 (14)	12.2 ± 1.0 (16)	12.7 ± 1.0 (15)	11.3 ± 1.1 (11)	8.3 ± 1.2 (12)
PND 4	12.3 ± 0.6 (16)	10.5 ± 1.1 (14)	12.2 ± 1.0 (16)	13.4 ± 0.6 (14)	11.1 ± 1.0 (11)	7.4 ± 1.4 (11)
PND 4 post-cull	8.0 ± 0.0 (15) **	8.0 ± 0.0 (12)	8.0 ± 0.0 (14)	8.0 ± 0.0 (14)	7.5 ± 0.4 (11) **	6.8 ± 0.5 (8) **
PND 7	8.0 ± 0.0 (15) **	8.0 ± 0.0 (12)	8.0 ± 0.0 (14)	7.9 ± 0.1 (14)	7.5 ± 0.4 (11) *	7.0 ± 0.7 (6) **
PND 10	8.0 ± 0.0 (15) **	8.0 ± 0.0 (12)	7.9 ± 0.1 (14)	7.9 ± 0.1 (14)	7.5 ± 0.4 (11)	7.0 ± 0.7 (6) *
PND 13	8.0 ± 0.0 (15) **	8.0 ± 0.0 (12)	7.9 ± 0.1 (14)	7.9 ± 0.1 (14)	7.4 ± 0.4 (11) **	7.0 ± 0.7 (6) *
PND 16	8.0 ± 0.0 (15) **	8.0 ± 0.0 (12)	7.9 ± 0.1 (14)	7.9 ± 0.1 (14)	7.4 ± 0.4 (11) **	7.0 ± 0.7 (6) *
PND 19	8.0 ± 0.0 (15) **	8.0 ± 0.0 (12)	7.9 ± 0.1 (14)	7.9 ± 0.1 (14)	7.3 ± 0.4 (11) **	7.0 ± 0.7 (6) *
PND 21	8.0 ± 0.0 (15) **	8.0 ± 0.0 (12)	7.9 ± 0.1 (14)	7.9 ± 0.1 (14)	7.3 ± 0.4 (11) **	6.4 ± 0.9 (5) **
PND 25	8.0 ± 0.0 (15) **	8.0 ± 0.0 (12)	7.9 ± 0.1 (14)	7.9 ± 0.1 (14)	7.3 ± 0.4 (11) **	5.8 ± 1.0 (5) **
PND 28	8.0 ± 0.0 (15) **	8.0 ± 0.0 (12)	7.9 ± 0.1 (14)	7.9 ± 0.1 (14)	7.3 ± 0.4 (11) **	6.3 ± 1.1 (4) **
Dead per Litter						
PND 0	0.69 ± 0.44 (16) *	0.21 ± 0.15 (14)	0.19 ± 0.14 (16)	0.81 ± 0.50 (16)	2.23 ± 1.45 (13)	3.13 ± 1.17 (15)
PND 1 - 4	0.06 ± 0.06 (16) **	0.36 ± 0.23 (14)	0.19 ± 0.10 (16)	0.47 ± 0.13 (15)	0.27 ± 0.14 (11)	2.42 ± 1.08 (12) *
PND 5 - 28	0.00 ± 0.00 (15) **	0.00 ± 0.00 (12)	0.07 ± 0.07 (14)	0.07 ± 0.07 (14)	0.18 ± 0.12 (11)	1.80 ± 1.07 (5) **
Number of Dead						
PND 0	11 (3)	3 (2)	3 (2)	13 (5)	29 (3)	47 (7)

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F1 Pups from F0 Females

	Treatment Groups (mg/L)					
	0	31.3	62.5	125	250	500
PND 1 - 4	1 (1)	5 (3)	3 (3)	7 (7)	3 (3)	29 (5)
PND 5 - 28	0 (0)	0 (0)	1 (1)	1 (1)	2 (2)	9 (4)
% Live Male Pups per Litter						
PND 0	41.59 ± 3.04 (16) **	50.62 ± 5.06 (14)	47.18 ± 3.87 (16)	53.68 ± 4.91 (15) *	62.28 ± 3.42 (11) **	54.84 ± 5.67 (12) **
Survival Ratio						
PND 0	0.95 ± 0.03 (16) *	0.98 ± 0.01 (14)	0.99 ± 0.01 (16)	0.91 ± 0.06 (16)	0.84 ± 0.10 (13)	0.70 ± 0.11 (15)
PND 1 - 4	0.99 ± 0.01 (16) **	0.97 ± 0.02 (14)	0.96 ± 0.03 (16)	0.90 ± 0.07 (15)	0.97 ± 0.02 (11)	0.73 ± 0.10 (12) *
PND 5 - 28	1.00 ± 0.00 (15) **	1.00 ± 0.00 (12)	0.99 ± 0.01 (14)	0.99 ± 0.01 (14)	0.98 ± 0.02 (11)	0.70 ± 0.18 (5) **

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## LEGEND

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Total No. of Pups and Total Pups per Litter is inclusive of nonviable pups.

Data are displayed as the means and standard errors of the litter means, N is number of litters

For Number of Dead, N is displayed as the number of pups (number of litters contributing dead pups).

All calculations are based on the last litter observation of the day

Survival ratio on PND 0 is live pup count at the last PND 0 litter observation relative to the total number of pups upon completion of parturition.

Total Pups per Litter, Live per Litter, Dead per Litter, % Live Male Pups per Litter, and Survival Ratio endpoints were analyzed using Jonckheere's test for trend and Shirley's or Dunn's methods for pairwise comparison of controls to dose groups.

No trend or pairwise tests were conducted on the Total Number of Pups, Total Number of Live, or Number of Dead endpoints.

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 \*\***