

Study Number: C08004-03
Test Type: TOX
Route: Dosing in Water
Species/Strain: Rat/Harlan Sprague Dawley

I05P: Pup Clinical Observations Summary
Test Compound: Vanadyl sulfate
CAS Number: 27774-13-6

Date Report Requested: 12/18/2020
Time Report Requested: 13:56:16
Lab: Battelle

Study Number: C08004-03
Study Gender: Both
PWG Approval Date: See web page for date of PWG Approval
Version: v1.1.4

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F1 Pups

Treatment Groups (mg/L)

	0	21.0	41.9	83.8	168	335
Total Pups (PND 0)	217	230	222	208	206	195
No. pups post cull (PND 4)	120	128	124	122	117	118
Total Litters (PND 0)	15	16	16	16	15	15
No. litters post cull (PND 4)	15	16	16	16	15	15

Pup Clinical Observations PND 0-4

Bruising	4 (1.8)	1 (0.4)	0	0	0	0
Dorsum	2 (13.3)	1 (6.2)	0	0	0	0
	PND 4	PND 4				
Bruising	1 (0.5)	0	0	0	0	0
Head	1 (6.7)	0	0	0	0	0
	PND 4					
Cold To Touch	0	0	0	0	0	1 (0.5)
	0	0	0	0	0	1 (6.7)
						PND 4
Damaged	0	0	0	1 (0.5)	0	0
Tail	0	0	0	1 (6.2)	0	0
				PND 4		
Dehydrated	0	0	0	3 (1.4)	0	0
	0	0	0	1 (6.2)	0	0
				PND 4		

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Treatment Groups (mg/L)

	0	21.0	41.9	83.8	168	335
Milk Band Absent	4 (1.8)	2 (0.9)	6 (2.7)	0	1 (0.5)	0
Abdomen	3 (20.0) PND 4	2 (12.5) PND 4	2 (12.5) PND 4	0	1 (6.7) PND 4	0
Small	0	0	0	0	1 (0.5)	0
	0	0	0	0	1 (6.7) PND 4	0
Thin	2 (0.9)	2 (0.9)	0	0	1 (0.5)	0
	2 (13.3) PND 4	1 (6.2) PND 4	0	0	1 (6.7) PND 4	0
Pup Clinical Observations PND 5-28						
Bruising	0	0	0	3 (2.5)	0	0
Abdomen	0	0	0	1 (6.2) PND 5	0	0
Cold To Touch	2 (1.7)	0	0	0	0	1 (0.8)
	2 (13.3) PND 5-7	0	0	0	0	1 (6.7) PND 5
Damaged	0	1 (0.8)	3 (2.4)	9 (7.4)	2 (1.7)	7 (5.9)
Tail	0	1 (6.2) PND 16-17	2 (12.5) PND 13-20	6 (37.5) PND 5-26	1 (6.7) PND 7-11	5 (33.3) PND 7-15

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	Treatment Groups (mg/L)					
	0	21.0	41.9	83.8	168	335
Dehydrated	0	0	0	3 (2.5)	0	0
	0	0	0	1 (6.2) PND 5	0	0
Dirty	0	0	0	0	2 (1.7)	0
Anus	0	0	0	0	1 (6.7) PND 25-26	0
Discharge	0	1 (0.8)	0	0	0	0
Eye; Red	0	1 (6.2) PND 18-21	0	0	0	0
Discharge	0	2 (1.6)	0	0	0	0
Eye; Red, Right	0	2 (12.5) PND 26-27	0	0	0	0
Discharge	1 (0.8)	1 (0.8)	0	0	0	0
Eye; Right, Red	1 (6.7) PND 16	1 (6.2) PND 25-28	0	0	0	0
Discharge	0	0	0	0	31 (26.5)	54 (45.8)
Nose/Snout; Brown	0	0	0	0	7 (46.7) PND 6-8	10 (66.7) PND 6-8
Discharge	1 (0.8)	2 (1.6)	1 (0.8)	9 (7.4)	4 (3.4)	1 (0.8)
Nose/Snout; Red	1 (6.7) PND 25	1 (6.2) PND 26-27	1 (6.2) PND 28	6 (37.5) PND 17-26	4 (26.7) PND 17-28	1 (6.7) PND 18-19

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Treatment Groups (mg/L)

	0	21.0	41.9	83.8	168	335
Kinked	23 (19.2)	24 (18.8)	17 (13.7)	19 (15.6)	32 (27.4)	25 (21.2)
Tail	11 (73.3)	10 (62.5)	10 (62.5)	12 (75.0)	13 (86.7)	12 (80.0)
	PND 11-28	PND 11-28	PND 10-28	PND 11-28	PND 10-28	PND 11-28
Milk Band Absent	3 (2.5)	0	0	0	0	0
Abdomen	3 (20.0)	0	0	0	0	0
	PND 5-7					
Missing	0	0	0	0	0	1 (0.8)
Scrotum; Left	0	0	0	0	0	1 (6.7)
						PND 28
Missing	2 (1.7)	0	0	0	0	0
Scrotum; Right	2 (13.3)	0	0	0	0	0
	PND 28					
Scab	0	1 (0.8)	0	0	0	0
Dorsum; Left	0	1 (6.2)	0	0	0	0
		PND 13-14				
Scab	1 (0.8)	0	0	0	0	0
Dorsum; Right	1 (6.7)	0	0	0	0	0
	PND 13-15					
Scab	0	0	1 (0.8)	2 (1.6)	2 (1.7)	0
Face; Left	0	0	1 (6.2)	2 (12.5)	1 (6.7)	0
			PND 23	PND 11-19	PND 11-13	

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	0	21.0	41.9	83.8	168	335
Scab	0	0	1 (0.8)	0	1 (0.9)	0
Face; Right	0	0	1 (6.2) PND 11-15	0	1 (6.7) PND 11-13	0
Scab	1 (0.8)	2 (1.6)	0	0	0	0
Head; Left	1 (6.7) PND 7-8	1 (6.2) PND 9-15	0	0	0	0
Scab	1 (0.8)	0	0	0	0	0
Head; Right	1 (6.7) PND 6-8	0	0	0	0	0
Scab	0	2 (1.6)	0	0	0	0
Head	0	2 (12.5) PND 7-9	0	0	0	0
Scab	0	2 (1.6)	0	0	1 (0.9)	1 (0.8)
Neck; Left	0	1 (6.2) PND 9-14	0	0	1 (6.7) PND 13	1 (6.7) PND 13
Small	0	0	0	0	1 (0.9)	1 (0.8)
	0	0	0	0	1 (6.7) PND 5-28	1 (6.7) PND 7-16
Thin	0	1 (0.8)	0	0	0	0
	0	1 (6.2) PND 5	0	0	0	0

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LEGEND

Animals exhibiting clinical observations "within normal limits" were recorded as scheduled but are omitted from the table for clarity.

Upper row denotes the pup incidence N (%)

Middle row denotes the litter incidence N (%)

Lower row denotes the range of postnatal days the finding was seen for the group

F1 litter incidence based on the number of F0 dams; F2 litter incidence based on number of F1 dams.

No. live litters includes litters with ≥ 1 live pup

Percent incidence calculated using number of live pups or litters on PND 0 (pre cull) or PND 4 (post cull)

PND - Postnatal Day, pups pre-weaning

**** END OF REPORT ****