

**Experiment Number:** R12103D  
**Test Type:** Teratology - Range Finding  
**Route:** Oral Gavage  
**Species/Strain:** Rabbit/New Zealand White

**R09: Uterine Content Summary**

**Test Compound:** Vinpocetine  
**CAS Number:** 42971-09-5

**Date Report Requested:** 12/16/2016

**Time Report Requested:** 13:51:12

**Lab:** Southern Research

**C Number:** R12103D  
**Cage Range:** All  
**Date Range:** All  
**Reasons For Removal:** All  
**Removal Date Range:** All  
**Treatment Groups:** All  
**Study Gender:** Female

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	Female				
	Treatment Groups (mg/kg/day)				
	0	25	75	150	300
<b>Pregnancy Summary (a)</b>					
Paired Females	8	8	8	8	8
Mated Females	8	8	8	8	8
Pregnant Females	8	7	8	8	8
Pregnant Females Examined on GD 29	8	7	8	7	8
<b>Pre-implantation Loss (b)</b>					
Corpora lutea per Female	9.50 ± 0.38 (8)	8.71 ± 0.47 (7)	9.63 ± 0.53 (8)	8.86 ± 0.40 (7)	9.13 ± 0.61 (8)
Implantations per Female	9.25 ± 0.41 (8)	8.00 ± 0.44 (7)	9.25 ± 0.56 (8)	7.71 ± 0.68 (7)	8.38 ± 0.56 (8)
Percent Pre-Implantation Loss	2.70 ± 1.80 (8)	7.78 ± 3.15 (7)	3.82 ± 2.82 (8)	13.02 ± 6.79 (7)	7.08 ± 5.13 (8)
<b>Intra-uterine Deaths (c)</b>					
Number of Early Resorptions	1	0	0	1	13
Early Resorptions per Litter	0.13 ± 0.13 (8) *	0.00 ± 0.00 (7)	0.00 ± 0.00 (8)	0.14 ± 0.14 (7)	1.63 ± 0.71 (8)
Number of Late Resorptions	0	1	2	0	2
Late Resorptions per Litter	0.00 ± 0.00 (8)	0.14 ± 0.14 (7)	0.25 ± 0.16 (8)	0.00 ± 0.00 (7)	0.25 ± 0.25 (8)
Total Resorptions per Litter	0.13 ± 0.13 (8)	0.14 ± 0.14 (7)	0.25 ± 0.16 (8)	0.14 ± 0.14 (7)	1.88 ± 0.85 (8)
Whole Litter Resorptions	0	0	0	0	0
Number of Dead Fetuses	0	1	0	0	0
Dead Fetuses per Litter	0.00 ± 0.00 (8)	0.14 ± 0.14 (7)	0.00 ± 0.00 (8)	0.00 ± 0.00 (7)	0.00 ± 0.00 (8)
Percent Post-Implantation Loss	1.39 ± 1.39 (8)	3.37 ± 2.18 (7)	2.53 ± 1.66 (8)	3.57 ± 3.57 (7)	20.42 ± 9.05 (8)
<b>Live Fetuses (b)</b>					
Number of Live Fetuses	73	54	72	53	52
Live Fetuses per Litter	9.13 ± 0.44 (8) *	7.71 ± 0.42 (7)	9.00 ± 0.53 (8)	7.57 ± 0.81 (7)	6.50 ± 0.73 (8) *
Live Male Fetuses per Litter	3.50 ± 0.94 (8)	3.86 ± 0.63 (7)	4.63 ± 0.38 (8)	3.86 ± 0.91 (7)	3.38 ± 0.73 (8)
Live Female Fetuses per Litter	5.63 ± 0.68 (8) *	3.86 ± 0.70 (7)	4.38 ± 0.63 (8)	3.71 ± 0.42 (7)	3.13 ± 0.67 (8) *
Percent Live Male Fetuses per Litter	36.30 ± 8.71 (8)	50.68 ± 8.87 (7)	52.67 ± 5.63 (8)	45.15 ± 9.80 (7)	50.80 ± 9.02 (8)

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	Female				
	Treatment Groups (mg/kg/day)				
	0	25	75	150	300
<b>Fetal Weight (d)</b>					
Fetal Weight per Litter (g)	39.72 ± 1.33 (8) **	41.47 ± 0.95 (7)	37.53 ± 0.90 (8)	39.36 ± 1.74 (7)	35.78 ± 1.15 (8)
Male Fetal Weight per Litter (g)	40.87 ± 1.59 (8) **	42.70 ± 0.97 (7)	38.50 ± 1.15 (8)	38.06 ± 1.62 (6)	36.49 ± 2.00 (8)
Female Fetal Weight per Litter (g)	38.76 ± 1.57 (8) *	40.37 ± 1.12 (7)	36.35 ± 1.01 (8)	39.29 ± 1.75 (7)	34.65 ± 0.95 (8)
<b>Fetal Weight (adjusted) (e)</b>					
Fetal Weight per Litter (g)	40.27 ± 0.53 (73) **	40.60 ± 0.56 (54)	38.39 ± 0.62 (72) *	38.25 ± 0.59 (53) *	33.64 ± 0.63 (52) **
Male Fetal Weight per Litter (g)	40.09 ± 0.88 (28) **	41.49 ± 0.82 (27)	38.72 ± 0.94 (37)	38.10 ± 0.83 (27)	34.16 ± 1.00 (27) **
Female Fetal Weight per Litter (g)	40.35 ± 0.67 (45) **	39.77 ± 0.74 (27)	38.04 ± 0.81 (35) *	38.34 ± 0.83 (26) *	33.16 ± 0.77 (25) **
<b>Gravid Uterus Weight (f)</b>					
Gravid Uterus Weight (g)	515.25 ± 14.70 (8) **	470.05 ± 20.66 (7)	483.91 ± 32.24 (8)	421.86 ± 39.25 (7) *	340.94 ± 27.73 (8) **
Terminal Body Weight (g)	3499.4 ± 64.6 (8) *	3406.5 ± 58.0 (7)	3467.7 ± 95.0 (8)	3358.4 ± 105.6 (7)	3271.4 ± 34.2 (8)
Adjusted Body Weight (g)	2984.19 ± 64.86 (8)	2936.41 ± 42.60 (7)	2983.75 ± 75.64 (8)	2936.53 ± 110.63 (7)	2930.44 ± 46.81 (8)

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## LEGEND

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Values are reported per litter as mean  $\pm$  SEM (N)

Calculated values do not include non-pregnant animals and those that did not survive to terminal sacrifice

\* Statistically significant at  $P \leq 0.05$

\*\* Statistically significant at  $P \leq 0.01$

Statistical significance for the control group indicates a significant trend test

(a) Statistical analysis performed by Cochran-Armitage (trend) and Fisher Exact (pairwise) tests

(b) Statistical analysis performed by Jonckheere (trend) and Shirley or Dunn (pairwise) tests

(c) Statistical analysis performed by Jonckheere (trend) and Shirley or Dunn (pairwise) tests or Cochran-Armitage (trend) and Fisher Exact (pairwise) tests

(d) Statistical analysis performed using the Random Effects Model (trend and pairwise)

(e) Litter weights adjusted for litter size. Statistical analysis performed by Jonckheere (trend) and William or Dunnett (pairwise) tests

(f) Statistical analysis performed by Jonckheere (trend) and William or Dunnett (pairwise) tests

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