

Sodium Tungstate Dihydrate Chronic Perinatal Study - Rats

Table 1: PND 1 Litter Data

Parameter	Control	250 mg/L	500 mg/L	1000 mg/L	Trend ^a
Litter Size^{b,d}					
Total (Live + Dead)	12.83 ± 0.45 [41]	13.15 ± 0.31 [34]	13.03 ± 0.36 [35]	11.82 ± 0.49 [34]	0.147-
Live Male	6.54 ± 0.42 [41]	6.35 ± 0.44 [34]	6.11 ± 0.38 [35]	6.03 ± 0.37 [34]	0.362-
Live Female	5.98 ± 0.33 [41]	6.47 ± 0.37 [34]	6.57 ± 0.33 [35]	5.65 ± 0.34 [34]	0.722-
Live Total	12.51 ± 0.49 [41]	12.82 ± 0.33 [34]	12.69 ± 0.37 [35]	11.68 ± 0.51 [34]	0.227-
Total Dead	13	11	12	5	
Dead per litter	0.317 ± 0.107 [41]	0.324 ± 0.151 [34]	0.343 ± 0.169 [35]	0.147 ± 0.062 [34]	0.388-
% Male per Litter	51.31 ± 2.34 [41]	48.97 ± 2.97 [34]	47.59 ± 2.57 [35]	51.06 ± 2.03 [34]	0.875-
% Male in Group^{e,f}	52 [513]	50 [436]	48 [444]	52 [397]	.
Pup Body Weights(g)^{c,d,g}					
Male	6.81 ± 0.08 [41]	6.76 ± 0.09 [34]	6.72 ± 0.08 [35]	6.76 ± 0.12 [34]	0.348-
Female	6.43 ± 0.09 [41]	6.47 ± 0.10 [34]	6.44 ± 0.07 [35]	6.41 ± 0.11 [34]	0.760-
Male + Female	6.63 ± 0.08 [41]	6.61 ± 0.09 [34]	6.58 ± 0.08 [35]	6.59 ± 0.11 [34]	0.437-
Adjusted Pup Body Weights(g)^{c,d,h}					
Male	6.82 ± 0.07 [41]	6.80 ± 0.08 [34]	6.74 ± 0.07 [35]	6.69 ± 0.11 [34]	0.133-
Female	6.43 ± 0.08 [41]	6.50 ± 0.09 [34]	6.46 ± 0.07 [35]	6.34 ± 0.09 [34]	0.543-
Male + Female	6.63 ± 0.07 [41]	6.65 ± 0.09 [34]	6.60 ± 0.07 [35]	6.52 ± 0.10 [34]	0.263-

a: P-value and direction of trend

b: Each dose was compared to the control with Shirley's test when a trend was present (P<.01 from Jonckheere's trend test) or with Dunn's test when no trend was present [* = P<0.05, ** = P<0.01]

c: Each dose was compared to the control with Williams' test when a trend was present (P<.01 from Jonckheere's trend test) or with Dunnett's test when no trend was present [* = P<0.05, ** = P<0.01]

d: Results shown as Mean ± standard error [Number of litters], unless otherwise noted.

e: 100 x (Number of live males in dose group)/(number of live males and females in dose group) [Number of pups]

f: No statistics done on this endpoint

g: (Litter weight of live pups at PND 1) / (Live litter size on PND 1)

h: (Litter weight of live pups at PND 1) / (Live litter size on PND 1) to obtain a mean pup weight per litter. Mean values are then adjusted using live litter size on PND 1 as a covariate.