

Sodium Tungstate Dihydrate Chronic Perinatal Study - Rats

Table 2: PND 4 Live Litter Size and Survival

Parameter ^{b,c,k}	Control	250 mg/L	500 mg/L	1000 mg/L	Trend ^a
Live per Litter					
PND 4 Precull - Male	6.51 ± 0.42 [41]	6.29 ± 0.44 [34]	6.11 ± 0.38 [35]	6.03 ± 0.37 [34]	0.377-
PND 4 Precull - Female	5.85 ± 0.34 [41]	6.38 ± 0.39 [34]	6.49 ± 0.34 [35]	5.56 ± 0.33 [34]	0.718-
PND 4 Precull - Male + Female	12.37 ± 0.49 [41]	12.68 ± 0.34 [34]	12.60 ± 0.39 [35]	11.59 ± 0.51 [34]	0.262-
PND 4 Postcull - Male	4.05 ± 0.12 [37]	4.00 ± 0.13 [33]	3.97 ± 0.08 [33]	3.97 ± 0.07 [32]	0.806-
PND 4 Postcull - Female	3.95 ± 0.12 [37]	4.00 ± 0.13 [33]	4.03 ± 0.08 [33]	4.03 ± 0.07 [32]	0.806+
PND 4 Postcull - Male + Female	8.00 ± 0.00 [37]	8.00 ± 0.00 [33]	8.00 ± 0.00 [33]	8.00 ± 0.00 [32]	1.000
PND 21 - Male + Female	7.92 ± 0.05 [37]	7.94 ± 0.04 [32]	7.94 ± 0.04 [32]	7.81 ± 0.13 [32]	0.853-
%Male per Litter PND 4 Precull	51.83 ± 2.36 [41]	49.27 ± 3.10 [34]	47.95 ± 2.53 [35]	51.42 ± 2.04 [34]	0.906-
%Male in Dose PND 4 Precull ^{d,e}	53 [507]	50 [431]	49 [441]	52 [394]	.
Survival:					
Total Dead 1-4 ^{e,f}	19 [41]	16 [34]	15 [35]	8 [34]	.
Total Dead 5-21 ^{e,f,j}	3 [37]	2 [32]	2 [32]	6 [32]	.
Dead 1-4(precull) ^g	0.463 ± 0.140 [41]	0.471 ± 0.185 [34]	0.429 ± 0.170 [35]	0.235 ± 0.085 [34]	0.384-
Dead 4(postcull)-21 ^{g,j}	0.081 ± 0.045 [37]	0.063 ± 0.043 [32]	0.063 ± 0.043 [32]	0.188 ± 0.130 [32]	0.853+
Survival Ratio 1-4(precull) ^h	0.988 ± 0.007 [41]	0.988 ± 0.007 [34]	0.991 ± 0.005 [35]	0.993 ± 0.004 [34]	0.843+
Survival Ratio 4(postcull)-21 ^{h,j}	0.990 ± 0.006 [37]	0.992 ± 0.005 [32]	0.992 ± 0.005 [32]	0.977 ± 0.016 [32]	0.853-

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

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

e: No statistics done on this endpoint

f: Total dead in dose group [Number of dams]

g: Number dead per litter

h: Survival per litter: (Number of live pups precull PND 4) / (Number of live pups PND 1)

i: Survival per litter: (Number of live pups PND 21) / (Number of live pups postcull PND 4)

j: Dams 230 and 322 were removed from the PND 5-21 survival and dead endpoints because of culling on PND 9

k: PND = Postnatal day