

Sodium Tungstate Dihydrate – Subchronic Perinatal Study – Rats

Table 2: PND 4 and 21 Live Litter Size and Survival

Parameter	Control	125 mg/L	250 mg/L	500 mg/L	1000 mg/L	2000 mg/L	Trend
Live per Litter^{a,b,c}							
PND 4 Precull Male	2.8 ± 0.9 [4]	5.0 ± 1.4 [5]	6.0 ± 0.9 [5]	6.3 ± 0.8 [4]	4.8 ± 1.3 [5]	5.4 ± 1.5 [5]	0.135+
PND 4 Precull Female	5.3 ± 1.8 [4]	5.0 ± 1.3 [5]	6.2 ± 0.5 [5]	5.8 ± 1.3 [4]	5.0 ± 1.4 [5]	4.6 ± 1.5 [5]	0.773-
PND 4 Precull Total	11.0 ± 1.2 [6]	12.8 ± 0.7 [8]	12.0 ± 0.7 [7]	12.0 ± 0.7 [6]	10.5 ± 1.9 [6]	12.0 ± 1.7 [6]	0.485+
PND 4 Postcull Male	3.8 ± 0.2 [5]	4.0 ± 0.0 [7]	4.0 ± 0.0 [7]	4.7 ± 0.4 [6]	4.0 ± 0.0 [5]	4.4 ± 0.4 [5]	0.049+
PND 4 Postcull Female	4.2 ± 0.2 [5]	4.0 ± 0.0 [7]	4.0 ± 0.0 [7]	3.3 ± 0.4 [6]	4.0 ± 0.0 [5]	3.6 ± 0.4 [5]	0.049-
PND 4 Postcull Total	8.0 ± 0.0 [5]	8.0 ± 0.0 [7]	8.0 ± 0.0 [7]	8.0 ± 0.0 [6]	8.0 ± 0.0 [5]	8.0 ± 0.0 [5]	1.000+
PND 21 Live	8.0 ± 0.0 [5]	8.0 ± 0.0 [7]	8.0 ± 0.0 [7]	8.0 ± 0.0 [6]	8.0 ± 0.0 [5]	6.4 ± 1.6 [5]	0.132-
% Male							
% Male in Group PND4 Precull ^{d,e}	39 [38]	44 [63]	49 [61]	52 [48]	48 [50]	54 [56]	
% Male in Litter PND4 Precull ^{a,b}	42.3 ± 8.2 [4]	44.3 ± 6.1 [5]	48.4 ± 4.9 [5]	53.7 ± 9.2 [4]	39.2 ± 10.7 [5]	54.7 ± 6.1 [5]	0.303+
Survival^{a,b}							
Total Dead PND 1-4 ^g	0 [6]	2 [8]	0 [7]	0 [6]	2 [6]	1 [6]	
Total Dead PND 4-21 ^e	0 [5]	0 [7]	0 [7]	0 [6]	0 [5]	8 [5]	
Dead/Litter PND 1-4	0.0 ± 0.0 [6]	0.3 ± 0.2 [8]	0.0 ± 0.0 [7]	0.0 ± 0.0 [6]	0.3 ± 0.3 [6]	0.2 ± 0.2 [6]	0.690+
Dead/Litter PND 4-21	0.0 ± 0.0 [5]	0.0 ± 0.0 [7]	0.0 ± 0.0 [7]	0.0 ± 0.0 [6]	0.0 ± 0.0 [5]	1.6 ± 1.6 [5]	0.132+
Survival 1-4 ^f	1.00 ± 0.00 [6]	1.00 ± 0.00 [8]	1.00 ± 0.00 [7]	1.00 ± 0.00 [6]	0.99 ± 0.01 [6]	0.99 ± 0.01 [6]	0.087-
Survival 4-21 ^g	1.00 ± 0.00 [5]	1.00 ± 0.00 [7]	1.00 ± 0.00 [7]	1.00 ± 0.00 [6]	1.00 ± 0.00 [5]	0.80 ± 0.20 [5]	0.132-

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

b: Mean ± standard error [Number of dams]

c: Sex-specific endpoints do not include dams that had differing sex counts on PND 1 and PND 4

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 were performed on this endpoint

f: Number alive on PND 4 precull / Number alive on PND 1

g: Number alive on PND 21 / Number alive on PND 4 postcull