

## *Sodium Tungstate Dihydrate – Subchronic Perinatal Study - Rats*

**Table 1: PND 1 Litter Data**

| Parameter                                     | Control        | 125 mg/L       | 250 mg/L       | 500 mg/L       | 1000 mg/L       | 2000 mg/L       | Trend  |
|-----------------------------------------------|----------------|----------------|----------------|----------------|-----------------|-----------------|--------|
| <b>Litter Size<sup>a,c,d</sup></b>            |                |                |                |                |                 |                 |        |
| <b>Total (Live and Dead)</b>                  | 11.0 ± 1.2 [6] | 13.0 ± 0.7 [8] | 12.0 ± 0.7 [7] | 12.0 ± 0.7 [6] | 10.8 ± 2.1 [6]  | 12.2 ± 1.7 [6]  | 0.518+ |
| <b>Live Male</b>                              | 3.8 ± 0.3 [4]  | 5.6 ± 1.0 [5]  | 6.0 ± 0.9 [5]  | 6.3 ± 0.8 [4]  | 4.8 ± 1.3 [5]   | 6.0 ± 1.0 [5]   | 0.163+ |
| <b>Live Female</b>                            | 5.8 ± 1.3 [4]  | 7.0 ± 0.9 [5]  | 6.2 ± 0.5 [5]  | 5.8 ± 1.3 [4]  | 5.2 ± 1.2 [5]   | 5.2 ± 1.2 [5]   | 0.387- |
| <b>Live Male + Female</b>                     | 11.0 ± 1.2 [6] | 12.8 ± 0.7 [8] | 12.0 ± 0.7 [7] | 12.0 ± 0.7 [6] | 10.7 ± 2.0 [6]  | 12.2 ± 1.7 [6]  | 0.447+ |
| <b>Dead Males</b>                             | 0.0 ± 0.0 [6]  | 0.0 ± 0.0 [8]  | 0.0 ± 0.0 [7]  | 0.0 ± 0.0 [6]  | 0.0 ± 0.0 [6]   | 0.0 ± 0.0 [6]   | 1.000+ |
| <b>Dead Females</b>                           | 0.0 ± 0.0 [6]  | 0.3 ± 0.2 [8]  | 0.0 ± 0.0 [7]  | 0.0 ± 0.0 [6]  | 0.2 ± 0.2 [6]   | 0.0 ± 0.0 [6]   | 0.650- |
| <b>Total Dead Pups</b>                        | 0 [6]          | 2 [8]          | 0 [7]          | 0 [6]          | 1 [6]           | 0 [6]           |        |
| <b>Total Dead per Litter</b>                  | 0.0 ± 0.0 [6]  | 0.3 ± 0.2 [8]  | 0.0 ± 0.0 [7]  | 0.0 ± 0.0 [6]  | 0.2 ± 0.2 [6]   | 0.0 ± 0.0 [6]   | 0.650- |
| <b>% Males</b>                                |                |                |                |                |                 |                 |        |
| <b>% Male in Group<sup>e,f</sup></b>          | 39 [38]        | 44 [63]        | 49 [61]        | 52 [48]        | 48 [50]         | 54 [56]         |        |
| <b>% Male per Litter<sup>a,c</sup></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+ |
| <b>Pup Body Weights(g)<sup>b,g</sup></b>      |                |                |                |                |                 |                 |        |
| <b>Male</b>                                   | 7.8 ± 0.4 [4]  | 7.8 ± 0.2 [5]  | 7.8 ± 0.4 [5]  | 7.3 ± 0.3 [4]  | 7.2 ± 0.2 [4]   | 6.7 ± 0.3 [5]*  | 0.001- |
| <b>Female</b>                                 | 7.3 ± 0.2 [4]  | 7.1 ± 0.0 [5]  | 7.5 ± 0.3 [5]  | 6.9 ± 0.3 [4]  | 7.2 ± 0.5 [5]   | 6.6 ± 0.5 [5]   | 0.067- |
| <b>Male + Female</b>                          | 7.5 ± 0.1 [6]  | 7.3 ± 0.1 [8]  | 7.5 ± 0.2 [7]  | 7.2 ± 0.2 [6]  | 7.2 ± 0.4 [6]   | 6.5 ± 0.3 [6]** | 0.002- |
| <b>Adjusted Pup Body Wts(g)<sup>b,h</sup></b> |                |                |                |                |                 |                 |        |
| <b>Male</b>                                   | 7.8 ± 0.4 [4]  | 7.8 ± 0.2 [5]  | 7.8 ± 0.4 [5]  | 7.3 ± 0.3 [4]  | 7.2 ± 0.2 [4]   | 6.7 ± 0.3 [5]*  | 0.002- |
| <b>Female</b>                                 | 7.1 ± 0.2 [4]  | 7.2 ± 0.1 [5]  | 7.6 ± 0.3 [5]  | 7.0 ± 0.3 [4]  | 7.1 ± 0.3 [5]   | 6.6 ± 0.5 [5]   | 0.236- |
| <b>Male + Female</b>                          | 7.4 ± 0.2 [6]  | 7.4 ± 0.1 [8]  | 7.5 ± 0.2 [7]  | 7.2 ± 0.2 [6]  | 7.1 ± 0.3 [6]   | 6.6 ± 0.3 [6]*  | 0.005- |

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

c: Mean ± standard error [number of dams]

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

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 were performed 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.