

DEHP Chronic Perinatal Study-Rats

Table 1: PND 1 Litter Data

Parameter	Control	300 ppm	1000 ppm	3000 ppm	10000 ppm	Trend ^a
Litter Size^{b,d}						
Total (Live + Dead)ⁱ	12.59 ± 0.38 [34]	12.07 ± 0.31 [29]	11.73 ± 0.66 [30]	12.24 ± 0.55 [29]	10.54 ± 0.45 [26]**	0.017-
Live Maleⁱ	6.12 ± 0.38 [34]	5.72 ± 0.33 [29]	6.03 ± 0.48 [30]	5.90 ± 0.42 [29]	5.42 ± 0.34 [26]	0.469-
Live Femaleⁱ	6.32 ± 0.33 [34]	6.34 ± 0.24 [29]	5.63 ± 0.48 [30]	6.31 ± 0.47 [29]	4.65 ± 0.35 [26]**	0.011-
Live Male + Femaleⁱ	12.44 ± 0.36 [34]	12.07 ± 0.31 [29]	11.67 ± 0.69 [30]	12.21 ± 0.57 [29]	10.08 ± 0.46 [26]**	0.008-
Total Dead^f	5	0	2	1	12	
Dead per Litter	0.147 ± 0.075 [34]	0.000 ± 0.000 [29]	0.065 ± 0.045 [31]	0.034 ± 0.034 [29]	0.462 ± 0.289 [26]	0.643+
% Male per Litterⁱ	48.73 ± 2.39 [34]	46.87 ± 2.02 [29]	51.95 ± 2.89 [28]	49.06 ± 2.80 [29]	54.83 ± 2.93 [26]	0.079+
% Male in Dose^{e,f,i}	49 [423]	47 [350]	52 [350]	48 [354]	54 [262]	.
Pup Body Weights(g)^{c,d,g,i}						
Male	7.45 ± 0.09 [34]	7.59 ± 0.08 [29]	7.43 ± 0.10 [28]	7.16 ± 0.10 [29]*	6.34 ± 0.09 [26]**	<0.001-
Female	7.01 ± 0.06 [34]	7.17 ± 0.07 [29]	7.02 ± 0.09 [28]	6.76 ± 0.09 [29]*	6.19 ± 0.13 [26]**	<0.001-
Male + Female	7.20 ± 0.07 [34]	7.35 ± 0.07 [29]	7.22 ± 0.09 [28]	6.96 ± 0.09 [29]*	6.29 ± 0.10 [26]**	<0.001-
Adjusted Pup Body Weights(g)^{c,d,h,i}						
Male	7.48 ± 0.08 [34]	7.60 ± 0.07 [29]	7.47 ± 0.09 [28]	7.18 ± 0.10 [29]*	6.22 ± 0.10 [26]**	<0.001-
Female	7.04 ± 0.06 [34]	7.18 ± 0.07 [29]	7.05 ± 0.08 [28]	6.77 ± 0.09 [29]*	6.10 ± 0.13 [26]**	<0.001-
Male + Female	7.24 ± 0.06 [34]	7.36 ± 0.06 [29]	7.26 ± 0.08 [28]	6.98 ± 0.09 [29]*	6.17 ± 0.10 [26]**	<0.001-

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: Mean ± standard error [number of litters]

e: 100 x (Number of live males in dose group)/(number of live males and females in dose group) [Number of pups]
Only litters with at least one live pup included.

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 liver litter size on PND 1 as a covariate.

i: Dam 309 (from the 1000 ppm group) not included due to differing pup counts on PND 1 and PND 4.