

DEHP Chronic Perinatal Study-Rats

Table 2: PND 4 Live Litter Size and Survival

Parameter	Control	300 ppm	1000 ppm	3000 ppm	10000 ppm	Trend ^a
Live per Litter^{b,c,j}						
PND 4 Male	6.09 ± 0.39 [34]	5.76 ± 0.32 [29]	6.46 ± 0.41 [28]	5.86 ± 0.41 [29]	5.42 ± 0.36 [26]	0.492-
PND 4 Female	6.32 ± 0.33 [34]	6.24 ± 0.25 [29]	5.96 ± 0.40 [28]	6.28 ± 0.48 [29]	4.54 ± 0.36 [26]**	0.006-
PND 4 Male + Female	12.41 ± 0.36 [34]	12.00 ± 0.32 [29]	12.43 ± 0.40 [28]	12.14 ± 0.57 [29]	9.96 ± 0.44 [26]**	0.005-
PND 7 Male + Female	12.41 ± 0.36 [34]	11.93 ± 0.31 [29]	12.43 ± 0.40 [28]	11.97 ± 0.57 [29]	9.88 ± 0.44 [26]**	0.002-
PND 10 Male + Female	12.38 ± 0.36 [34]	11.90 ± 0.31 [29]	12.43 ± 0.40 [28]	11.83 ± 0.59 [29]	9.88 ± 0.44 [26]**	0.003-
PND 14 Male + Female	12.29 ± 0.35 [34]	11.86 ± 0.30 [29]	12.39 ± 0.40 [28]	11.69 ± 0.59 [29]	9.81 ± 0.43 [26]**	0.002-
PND 17 Male + Female	12.29 ± 0.35 [34]	11.86 ± 0.30 [29]	12.36 ± 0.39 [28]	11.69 ± 0.59 [29]	9.81 ± 0.43 [26]**	0.002-
PND 21 Male	6.00 ± 0.39 [34]	5.72 ± 0.32 [29]	6.43 ± 0.41 [28]	5.72 ± 0.41 [29]	5.31 ± 0.35 [26]	0.434-
PND 21 Female	6.26 ± 0.33 [34]	6.14 ± 0.25 [29]	5.93 ± 0.41 [28]	5.97 ± 0.49 [29]	4.50 ± 0.36 [26]**	0.004-
PND 21 Male + Female	12.26 ± 0.35 [34]	11.86 ± 0.30 [29]	12.36 ± 0.39 [28]	11.69 ± 0.59 [29]	9.81 ± 0.43 [26]**	0.002-
%Male per Litter PND 4	48.58 ± 2.41 [34]	47.50 ± 2.01 [29]	52.16 ± 2.86 [28]	49.09 ± 2.80 [29]	55.31 ± 3.12 [26]	0.056+
%Male in Dose PND 4^{d,e}	49 [422]	48 [348]	52 [348]	48 [352]	54 [259]	.
Survival:						
Total Dead 1-4^{e,f}	6 [34]	2 [29]	3 [30]	3 [29]	15 [26]	.
Total Dead 5-21^{e,f}	5 [34]	4 [29]	2 [28]	13 [29]	4 [26]	.
Dead 1-4^{b,c,g}	0.176 ± 0.079 [34]	0.069 ± 0.048 [29]	0.100 ± 0.056 [30]	0.103 ± 0.058 [29]	0.577 ± 0.294 [26]	0.362+
Dead 5-21^{b,c,g}	0.147 ± 0.096 [34]	0.138 ± 0.108 [29]	0.071 ± 0.050 [28]	0.448 ± 0.183 [29]*	0.154 ± 0.091 [26]	0.124+
Dead 1-21^{b,c,g}	0.324 ± 0.151 [34]	0.207 ± 0.115 [29]	0.167 ± 0.069 [30]	0.552 ± 0.214 [29]	0.731 ± 0.326 [26]	0.104+
Survival Ratio 1-4^{b,c,h,k}	0.998 ± 0.002 [34]	0.994 ± 0.004 [29]	0.997 ± 0.003 [28]	0.994 ± 0.004 [29]	0.990 ± 0.005 [26]	0.227-
Survival Ratio 5-21^{b,c,i}	0.990 ± 0.007 [34]	0.990 ± 0.008 [29]	0.995 ± 0.003 [28]	0.962 ± 0.015 [29]*	0.986 ± 0.008 [26]	0.110-
Survival Ratio 1-21^{b,c,j,k}	0.987 ± 0.007 [34]	0.984 ± 0.008 [29]	0.992 ± 0.004 [28]	0.958 ± 0.016 [29]	0.977 ± 0.010 [26]	0.076-

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- 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 \pm standard error [number of litters]
- d: $100 \times (\text{Number of live males in dose group}) / (\text{Number of live males and females in dose group})$ [Number of pups]
- e: No statistics were performed on this endpoint.
- f: Total dead in dose group [Number of litters]
- g: Number dead per litter
- h: Survival per litter: Number of live pups PND 4 / Number of live pups on PND 1
- i: Survival per litter: Number of live pups PND 21 / Number of live pups on PND 5
- j: Survival per litter: Number of live pups PND 21 / Number of live pups on PND 1
- k: Dam 309 (from the 1000 ppm group) not included due to differing pup counts on PND 1 and PND 4.