

## Resveratrol Subchronic Perinatal Study - Rats

**Table 7: Pup Body Weights (g)**

Parameter	Control	78 mg/kg	156 mg/kg	312.5 mg/kg	625 mg/kg	1250 mg/kg	Trend <sup>a</sup>
<b>Male<sup>b,c,d,e,f</sup></b>							
PND 4	11.35 ± 0.26 [28/7]	10.27 ± 0.25 [28/7]	10.60 ± 0.23 [29/7]	9.90 ± 0.32 [29/7]*	9.91 ± 0.53 [29/7]*	9.33 ± 0.31 [28/7]**	<0.001-
PND 7	17.25 ± 0.20 [28/7]	15.58 ± 0.41 [28/7]	15.71 ± 0.29 [29/7]	15.44 ± 0.46 [29/7]*	14.85 ± 0.67 [29/7]**	13.84 ± 0.60 [28/7]**	<0.001-
PND 12	28.47 ± 0.41 [28/7]	25.80 ± 0.79 [28/7]*	25.94 ± 0.60 [29/7]	25.93 ± 0.55 [29/7]	24.55 ± 0.87 [29/7]**	23.31 ± 0.86 [28/7]**	<0.001-
PND 15	35.61 ± 0.55 [28/7]	31.96 ± 0.91 [28/7]*	32.34 ± 0.91 [29/7]	32.32 ± 0.82 [29/7]	30.53 ± 1.08 [29/7]**	28.02 ± 1.08 [28/7]**	<0.001-
PND 18	42.04 ± 0.55 [28/7]	37.98 ± 1.17 [28/7]	38.39 ± 1.10 [29/7]	38.30 ± 0.89 [29/7]	35.35 ± 1.46 [29/7]**	32.96 ± 1.23 [28/7]**	<0.001-
PND 21	52.87 ± 1.08 [28/7]	48.50 ± 1.47 [28/7]	49.90 ± 1.23 [28/7]	49.45 ± 1.34 [29/7]	46.21 ± 1.77 [29/7]**	41.96 ± 1.44 [28/7]**	<0.001-
<b>Female<sup>b,c,d,e</sup></b>							
PND 4	10.71 ± 0.28 [28/7]	10.15 ± 0.34 [28/7]	10.28 ± 0.20 [27/7]	9.52 ± 0.38 [27/7]	9.68 ± 0.50 [27/7]	8.84 ± 0.40 [28/7]**	<0.001-
PND 7	16.41 ± 0.35 [28/7]	15.60 ± 0.32 [28/7]	15.36 ± 0.29 [27/7]	14.80 ± 0.46 [27/7]	14.62 ± 0.62 [27/7]*	13.30 ± 0.53 [28/7]**	<0.001-
PND 12	27.06 ± 0.62 [28/7]	25.90 ± 0.61 [28/7]	25.82 ± 0.61 [27/7]	25.10 ± 0.45 [27/7]	24.32 ± 0.75 [27/7]*	22.53 ± 0.64 [28/7]**	<0.001-
PND 15	33.85 ± 0.83 [28/7]	31.91 ± 0.73 [28/7]	32.10 ± 0.96 [27/7]	31.38 ± 0.52 [27/7]	29.93 ± 0.88 [27/7]**	26.99 ± 0.88 [28/7]**	<0.001-
PND 18	40.09 ± 0.92 [28/7]	37.53 ± 0.88 [28/7]	37.96 ± 1.22 [27/7]	36.85 ± 0.64 [27/7]	34.76 ± 1.35 [27/7]**	31.54 ± 1.04 [28/7]**	<0.001-
PND 21	50.10 ± 1.50 [28/7]	47.73 ± 1.30 [24/6]	49.01 ± 1.19 [27/7]	47.18 ± 0.99 [27/7]	44.24 ± 1.58 [27/7]*	39.52 ± 1.72 [21/5]**	<0.001-
<b>Combined<sup>b,c,d,e,f</sup></b>							
PND 4	11.03 ± 0.25 [56/7]	10.21 ± 0.29 [56/7]	10.43 ± 0.20 [56/7]	9.70 ± 0.34 [56/7]*	9.80 ± 0.51 [56/7]	9.08 ± 0.34 [56/7]**	<0.001-
PND 7	16.83 ± 0.25 [56/7]	15.59 ± 0.34 [56/7]	15.54 ± 0.28 [56/7]	15.11 ± 0.42 [56/7]*	14.74 ± 0.63 [56/7]**	13.58 ± 0.53 [56/7]**	<0.001-
PND 12	27.76 ± 0.46 [56/7]	25.85 ± 0.67 [56/7]	25.86 ± 0.60 [56/7]	25.50 ± 0.46 [56/7]	24.45 ± 0.80 [56/7]**	22.96 ± 0.68 [56/7]**	<0.001-
PND 15	34.73 ± 0.60 [56/7]	31.94 ± 0.78 [56/7]	32.21 ± 0.92 [56/7]	31.84 ± 0.64 [56/7]	30.25 ± 0.97 [56/7]**	27.54 ± 0.92 [56/7]**	<0.001-
PND 18	41.06 ± 0.66 [56/7]	37.75 ± 0.98 [56/7]	38.16 ± 1.14 [56/7]	37.55 ± 0.73 [56/7]	35.08 ± 1.38 [56/7]**	32.29 ± 1.06 [56/7]**	<0.001-
PND 21	51.49 ± 1.20 [56/7]	48.23 ± 1.25 [52/7]	49.39 ± 1.14 [55/7]	48.32 ± 1.12 [56/7]	45.29 ± 1.62 [56/7]**	41.23 ± 1.34 [49/7]**	<0.001-

a: Statistical analysis was performed using linear mixed models with litter as random effect and with Dunnett-Hsu adjustment for multiple comparisons [\* = P<0.05, \*\* = P<0.01]

b: Mean of litter mean ± standard error [Number of pups/Number of litters]

c: PND = Postnatal Day

d: Body weights at post-cull

e: Individual pup weights first adjusted for the covariate live litter size on PND 4 postcull

f: One male pup from the 156 mg/kg dose group was terminated on PND 18.