

PA06: Organ Weights Summary

Study Number: I10577

Test Compound: Pyrene

Date: 03 Sep 2024

DTTID: 103-005-013-000-3

CAS Number: 129-00-0

Time: 3:47:13 PM

Study Type: Immune screening

DTXSID: DTXSID3024289

Species/Strain: Mouse/B6C3F1/N

Females: Immunopath

	Treatment Groups								
	0 mg/kg	3.1 mg/kg	6.3 mg/kg	12.5 mg/kg	25 mg/kg	50 mg/kg	100 mg/kg	200 mg/kg	10 mg/kg B(a)P
Terminal Body Weight (g)	23.8 ± 0.9[8]	23.7 ± 0.6[8]	24.0 ± 0.8[8]	24.8 ± 0.9[8]	24.1 ± 0.4[8]	24.2 ± 1.0[8]	24.7 ± 0.9[8]	24.3 ± 0.8[8]	25.1 ± 1.3[8]
Adrenal Gland, Right									
Absolute (g)	0.0053 ± 0.0007[8]	0.0048 ± 0.0003[8]	0.0043 ± 0.0003[8]	0.0057 ± 0.0007[8]	0.0048 ± 0.0005[8]	0.0051 ± 0.0004[8]	0.0057 ± 0.0005[8]	0.0047 ± 0.0003[8]	0.0049 ± 0.0004[8]
Relative (mg/g)	0.22 ± 0.02[8]	0.20 ± 0.01[8]	0.18 ± 0.01[8]	0.23 ± 0.03[8]	0.20 ± 0.02[8]	0.21 ± 0.01[8]	0.23 ± 0.02[8]	0.19 ± 0.01[8]	0.20 ± 0.02[8]
Kidney, Right									
Absolute (g)	0.15 ± 0.01[8]	0.15 ± 0.00[8]	0.15 ± 0.01[8]	0.15 ± 0.01[8]	0.15 ± 0.00[8]	0.15 ± 0.01[8]	0.14 ± 0.01[8]	0.14 ± 0.01[8]	0.16 ± 0.01[8]
Relative (mg/g)	6.31 ± 0.13[8]**	6.23 ± 0.24[8]	6.08 ± 0.19[8]	6.19 ± 0.14[8]	6.08 ± 0.12[8]	6.11 ± 0.22[8]	5.76 ± 0.20[8]	5.74 ± 0.22[8]*	6.25 ± 0.13[8]
Liver									
Absolute (g)	1.04 ± 0.03[8]	1.03 ± 0.03[8]	1.06 ± 0.04[8]	1.08 ± 0.06[8]	1.07 ± 0.03[8]	1.10 ± 0.06[8]	1.05 ± 0.06[8]	1.13 ± 0.05[8]	1.13 ± 0.07[8]
Relative (mg/g)	43.98 ± 1.05[8]	43.53 ± 0.81[8]	44.00 ± 0.75[8]	43.30 ± 1.22[8]	44.35 ± 0.91[8]	45.39 ± 1.20[8]	42.44 ± 0.97[8]	46.66 ± 0.95[8]	45.07 ± 1.08[8]
Lung									
Absolute (g)	0.39 ± 0.01[8]	0.39 ± 0.01[8]	0.38 ± 0.02[8]	0.42 ± 0.02[8]	0.41 ± 0.01[7]	0.41 ± 0.02[8]	0.42 ± 0.02[8]	0.39 ± 0.02[8]	0.42 ± 0.02[8]
Relative (mg/g)	16.28 ± 0.28[8]	16.39 ± 0.25[8]	15.90 ± 0.82[8]	16.94 ± 0.43[8]	17.06 ± 0.33[7]	16.84 ± 0.50[8]	17.10 ± 0.50[8]	16.25 ± 0.60[8]	16.94 ± 0.62[8]
Ovary									
Absolute (g)	0.0180 ± 0.0020[7]	0.0208 ± 0.0026[8]	0.0162 ± 0.0020[8]	0.0199 ± 0.0018[8]	0.0173 ± 0.0027[8]	0.0180 ± 0.0031[8]	0.0142 ± 0.0029[8]	0.0208 ± 0.0017[8]	0.0224 ± 0.0037[8]
Relative (mg/g)	0.76 ± 0.08[7]	0.87 ± 0.09[8]	0.66 ± 0.07[8]	0.80 ± 0.06[8]	0.71 ± 0.11[8]	0.75 ± 0.13[8]	0.59 ± 0.13[8]	0.86 ± 0.06[8]	0.92 ± 0.18[8]
Spleen									
Absolute (g)	0.062 ± 0.004[8]	0.070 ± 0.003[8]	0.070 ± 0.004[8]	0.070 ± 0.005[8]	0.076 ± 0.002[8]	0.076 ± 0.007[8]	0.067 ± 0.004[8]	0.072 ± 0.006[8]	0.073 ± 0.004[8]
Relative (mg/g)	2.60 ± 0.14[8]	2.96 ± 0.10[8]	2.92 ± 0.10[8]	2.82 ± 0.15[8]	3.16 ± 0.07[8]*	3.13 ± 0.22[8]	2.70 ± 0.12[8]	2.95 ± 0.19[8]	2.93 ± 0.07[8]
Thymus									
Absolute (g)	0.047 ± 0.003[8]	0.049 ± 0.001[8]	0.044 ± 0.004[8]	0.046 ± 0.002[8]	0.049 ± 0.002[8]	0.045 ± 0.002[8]	0.044 ± 0.005[8]	0.049 ± 0.003[8]	0.047 ± 0.005[8]
Relative (mg/g)	1.99 ± 0.15[8]	2.04 ± 0.04[8]	1.83 ± 0.14[8]	1.90 ± 0.12[8]	2.02 ± 0.10[8]	1.86 ± 0.10[8]	1.76 ± 0.19[8]	2.03 ± 0.13[8]	1.89 ± 0.18[8]

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LEGEND

Data are displayed as mean \pm SEM (N) unless otherwise noted.

Relative organ weights (organ-weight-to-body-weight ratios) are given as mg organ weight/g body weight.

Statistical analysis performed by Jonckheere (trend) and Williams or Dunnett (pairwise) tests. The positive control group (10 mg/kg B(a)P) was excluded from trend test.

Statistical analysis for the positive control group (10 mg/kg B(a)P) compared to the vehicle control group was performed using the t-test.

Statistical significance for the control group indicates a significant trend test.

Statistical significance for a treatment group indicates a significant pairwise test compared to the vehicle control group.

* Statistically significant at $P \leq 0.05$

** Statistically significant at $P \leq 0.01$

SEM = Standard Error of the Mean

SD = Study Day

B(a)P = Benzo(a)pyrene

Females from the vehicle control and treatment groups were removed on SD 28.

** END OF REPORT **