

M17: Bone Marrow Cellularity

Study Number: I10577

Test Compound: Pyrene

Date: 10 Oct 2024

DTTID: 103-005-013-000-3

CAS Number: 129-00-0

Time: 9:41:25 AM

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
Bone Marrow Cells (x10 ⁶)	7.188 ± 0.324[8]	6.697 ± 0.770[8]	7.418 ± 0.666[8]	7.050 ± 0.388[8]	7.769 ± 0.757[8]	8.017 ± 0.864[6]	8.439 ± 0.860[8]	7.519 ± 0.554[8]	7.519 ± 0.357[8]

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LEGEND

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

Statistical analysis performed by Jonckheere (trend) and Shirley or Dunn (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 Wilcoxon rank sum 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 $P \leq 0.01$

SD = Study Day

SEM = Standard Error of the Mean

B(a)P = Benzo(a)pyrene

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

** END OF REPORT **