

Study Number: I10353
Test Type: TOX
Route: Oral Gavage
Species/Strain: Mouse/B6C3F1/N

PA46s: Summary of Gross Pathology
Test Compound: Benzo(a)pyrene
CAS Number: 50-32-8

Date Report Requested: 09/16/2021
Time Report Requested: 12:41:43
Lab: BRT with ILS

Study Number: I10353
Study Gender: Female
PWG Approval Date: See web page for date of PWG Approval
Version: v1.3.2
Stat Version: v2.7.2A

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Female: Immunopath

| | Treatment Groups (mg/kg) | | | | | | | | |
|---|--------------------------|-----|-----|-----|-----|-----|-----|-----|-----------------|
| | 0 | 2 | 5 | 9 | 19 | 38 | 75 | 150 | 50 mg/kg CPS |
| Disposition Summary | | | | | | | | | |
| Animals Initially In Study | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 |
| Censored | | | | | | | | | |
| Early Deaths | | | | | | | | | |
| Survivors | | | | | | | | | |
| Scheduled Sacrifice, Terminal | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 |
| Number of Animals Examined | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 |
| ALIMENTARY SYSTEM | | | | | | | | | |
| STOMACH, FORESTOMACH THICK; MODERATE | (8) 1 (12.5%) | (8) | (8) | (8) | (8) | (8) | (8) | (8) | (8) |
| CARDIOVASCULAR SYSTEM | | | | | | | | | |
| None | | | | | | | | | |
| ENDOCRINE SYSTEM | | | | | | | | | |
| None | | | | | | | | | |
| GENERAL BODY SYSTEM | | | | | | | | | |
| None | | | | | | | | | |

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|-------------------------------|--------------------------|-----------|-----------|-----------|-----------|-----------|--------------|-------------|-----------------|
| | 0 | 2 | 5 | 9 | 19 | 38 | 75 | 150 | 50 mg/kg CPS |
| GENITAL SYSTEM | | | | | | | | | |
| OVARY, LEFT | (8) | (8) | (8) | (8) | (8) | (8) | (8) | (8) | (8) |
| SMALL; MARKED | 0 ** | | | | | | 2 (25.0%) | 5 (62.5%) * | |
| SMALL; MILD | 1 (12.5%) | | | | | | | 1 (12.5%) | |
| SMALL; MODERATE | 0 ** | | | | | | | 2 (25.0%) | |
| OVARY, RIGHT | (8) | (8) | (8) | (8) | (8) | (8) | (8) | (8) | (8) |
| SMALL; MARKED | 0 ** | | | | | | 2 (25.0%) | 5 (62.5%) * | |
| SMALL; MILD | 1 (12.5%) | | | | | | | 1 (12.5%) | |
| SMALL; MODERATE | 0 ** | | | | | | | 2 (25.0%) | |
| UTERUS | (8) | (8) | (8) | (8) | (8) | (8) | (8) | (8) | (0) |
| SMALL; MARKED | 0 * | | | | | | 1 (12.5%) | 1 (12.5%) | |
| SMALL; MODERATE | 0 ** | | | | | | 1 (12.5%) | 2 (25.0%) | |
| HEMATOLYMPHOID SYSTEM | | | | | | | | | |
| SPLEEN | (8) | (8) | (8) | (8) | (8) | (8) | (8) | (8) | (8) |
| DISCOLORATION; DARK | 1 (12.5%) | | | | | | | | |
| DISCOLORATION; DARK, MODERATE | | | 1 (12.5%) | | | | | | |
| SMALL; MILD | 1 (12.5%) ** | 1 (12.5%) | 1 (12.5%) | 1 (12.5%) | | 2 (25.0%) | 3 (37.5%) | 5 (62.5%) | 6 (75.0%) * |
| SMALL; MODERATE | | | | | | | | 1 (12.5%) | 1 (12.5%) |
| THYMUS | (8) | (8) | (8) | (8) | (8) | (8) | (8) | (8) | (8) |
| SMALL; MARKED | 0 ** | | | | | | | 4 (50.0%) * | 4 (50.0%) * |
| SMALL; MODERATE | 0 ** | 1 (12.5%) | | | 1 (12.5%) | 2 (25.0%) | 6 (75.0%) ** | 4 (50.0%) * | 4 (50.0%) * |
| INTEGUMENTARY SYSTEM | | | | | | | | | |
| None | | | | | | | | | |
| MUSCULOSKELETAL SYSTEM | | | | | | | | | |
| None | | | | | | | | | |

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Female: Immunopath

Treatment Groups (mg/kg)

| | 0 | 2 | 5 | 9 | 19 | 38 | 75 | 150 | 50 mg/kg CPS |
|--------------------------------|-----------|-----------|-----------|-----------|-----|-----------|-----------|-----|-----------------|
| NERVOUS SYSTEM | | | | | | | | | |
| None | | | | | | | | | |
| RESPIRATORY SYSTEM | | | | | | | | | |
| LUNG | (8) | (8) | (8) | (8) | (8) | (8) | (8) | (8) | (8) |
| DISCOLORATION; MARKED, MOTTLED | | | | | | | 1 (12.5%) | | |
| DISCOLORATION; MILD, RED | 1 (12.5%) | | | 1 (12.5%) | | 1 (12.5%) | | | |
| DISCOLORATION; MODERATE, RED | | | | 3 (37.5%) | | 1 (12.5%) | 1 (12.5%) | | |
| THORAX | (8) | (8) | (8) | (8) | (8) | (8) | (8) | (8) | (0) |
| ADHESION; MODERATE | | 1 (12.5%) | | | | | | | |
| SPECIAL SENSES SYSTEM | | | | | | | | | |
| None | | | | | | | | | |
| URINARY SYSTEM | | | | | | | | | |
| KIDNEY, RIGHT | (8) | (8) | (8) | (8) | (8) | (8) | (8) | (8) | (0) |
| CYST | | | 1 (12.5%) | 1 (12.5%) | | | | | |

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Female: SRBC

Treatment Groups (mg/kg)

| | 0 | 2 | 5 | 9 | 19 | 38 | 75 | 150 | 50 mg/kg CPS |
|-------------------------------|---|---|---|---|----|----|----|-----|-----------------|
| Disposition Summary | | | | | | | | | |
| Animals Initially In Study | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 |
| Censored | | | | | | | | | |
| Early Deaths | | | | | | | | | |
| Survivors | | | | | | | | | |
| Scheduled Sacrifice, Terminal | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 |
| Number of Animals Examined | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 |

ALIMENTARY SYSTEM

None

CARDIOVASCULAR SYSTEM

None

ENDOCRINE SYSTEM

None

GENERAL BODY SYSTEM

None

GENITAL SYSTEM

None

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Female: SRBC

| | Treatment Groups (mg/kg) | | | | | | | | |
|-------------------------------|--------------------------|-----|-----|-----------|-----------|-----------|-------------|--------------|-----------------|
| | 0 | 2 | 5 | 9 | 19 | 38 | 75 | 150 | 50 mg/kg CPS |
| HEMATOLYMPHOID SYSTEM | | | | | | | | | |
| SPLEEN | (8) | (8) | (8) | (8) | (8) | (8) | (8) | (8) | (8) |
| ENLARGED | | | | | | 1 (12.5%) | | | |
| SMALL; MARKED | | | | | | | | 1 (12.5%) | 3 (37.5%) |
| SMALL | 0 ** | | | 1 (12.5%) | | 2 (25.0%) | 5 (62.5%) * | 6 (75.0%) ** | 5 (62.5%) * |
| THYMUS | (8) | (8) | (8) | (8) | (8) | (8) | (8) | (8) | (8) |
| SMALL; MARKED | 0 | | | | | | | 1 (12.5%) | 5 (62.5%) * |
| SMALL | 0 ** | | | | 1 (12.5%) | 1 (12.5%) | 1 (12.5%) | 6 (75.0%) ** | 3 (37.5%) |
| INTEGUMENTARY SYSTEM | | | | | | | | | |
| None | | | | | | | | | |
| MUSCULOSKELETAL SYSTEM | | | | | | | | | |
| None | | | | | | | | | |
| NERVOUS SYSTEM | | | | | | | | | |
| None | | | | | | | | | |
| RESPIRATORY SYSTEM | | | | | | | | | |
| None | | | | | | | | | |
| SPECIAL SENSES SYSTEM | | | | | | | | | |
| None | | | | | | | | | |
| URINARY SYSTEM | | | | | | | | | |
| None | | | | | | | | | |

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LEGEND

Censored animals are scheduled for sacrifice prior to the end of the study. The censored animals are included in the pathology data.

Number of animals examined for each tissue shown in parentheses. If none of the animals examined have the specific lesion then there is a blank for that dose group for that specific lesion. The exception to this is if statistical significance is found for a lesion and the control group has no animals with the lesion then a 0 is included for the control group on the table for that lesion.

Number (percent) of animals affected given for each observation

Statistical analysis performed by Cochran-Armitage (trend) and Fisher Exact (pairwise) one-sided tests.

Statistical analysis for the positive control group compared to the vehicle control group was performed using the Fisher Exact 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 $P \leq 0.01$

CPS = Cyclophosphamide

**** END OF REPORT ****