

**Study Number:** I20045

**Test Type:** TOX

**Route:** Oral Gavage

**Species/Strain:** Mouse/B6C3F1/N

**PA46s: Summary of Gross Pathology**

**Test Compound:** Phenanthrene

**CAS Number:** 85-01-8

**Date Report Requested:** 09/15/2021

**Time Report Requested:** 14:03:31

**Lab:** Burleson Research Technologies

**Study Number:**

I20045

**Study Gender:**

Female

**PWG Approval Date:**

See web page for date of PWG Approval

**Version:**

v1.3.2

**Stat Version:**

v2.7.2A

**Study Number:** I20045  
**Test Type:** TOX  
**Route:** Oral Gavage  
**Species/Strain:** Mouse/B6C3F1/N

**PA46s: Summary of Gross Pathology**  
**Test Compound:** Phenanthrene  
**CAS Number:** 85-01-8

**Date Report Requested:** 09/15/2021  
**Time Report Requested:** 14:03:31  
**Lab:** Burleson Research Technologies

**Female: Immunopath Cohort**

	Treatment Groups (mg/kg)								
	0	12.5	25	50	100	200	400	800	50 mg/kg CPS
<b>Disposition Summary</b>									
Animals Initially In Study	8	8	8	8	8	8	8	8	8
Censored									
Early Deaths									
Sacrificed, Moribund			2	2	3	1			
Survivors									
Scheduled Sacrifice, Terminal	8	8	6	5	5	7	8		8
Number of Animals Examined	8	8	6	5	5	7	8		8
<b>ALIMENTARY SYSTEM</b>									
None									
<b>CARDIOVASCULAR SYSTEM</b>									
None									
<b>ENDOCRINE SYSTEM</b>									
None									
<b>GENERAL BODY SYSTEM</b>									
None									
<b>GENITAL SYSTEM</b>									
OVARY, RIGHT	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(8)
DISCOLORATION; DIFFUSE, GRAY, MINIMAL									1 (12.5%)

**Study Number:** I20045  
**Test Type:** TOX  
**Route:** Oral Gavage  
**Species/Strain:** Mouse/B6C3F1/N

**PA46s: Summary of Gross Pathology**  
**Test Compound:** Phenanthrene  
**CAS Number:** 85-01-8

**Date Report Requested:** 09/15/2021  
**Time Report Requested:** 14:03:31  
**Lab:** Burlison Research Technologies

**Female: Immunopath Cohort**

	Treatment Groups (mg/kg)								
	0	12.5	25	50	100	200	400	800	50 mg/kg CPS
<b>HEMATOLYMPHOID SYSTEM</b>									
SPLEEN	(8)	(8)	(6)	(5)	(5)	(7)	(8)	(0)	(8)
ENLARGED							1 (12.5%)		
SMALL	0	1 (12.5%)	1 (16.7%)		1 (20.0%)		2 (25.0%)		7 (87.5%) **
THYMUS	(8)	(8)	(6)	(5)	(5)	(7)	(8)	(0)	(8)
ENLARGED			1 (16.7%)	1 (20.0%)			1 (12.5%)		
SMALL	0								8 (100.0%) **
<b>INTEGUMENTARY SYSTEM</b>									
None									
<b>MUSCULOSKELETAL SYSTEM</b>									
None									
<b>NERVOUS SYSTEM</b>									
None									
<b>RESPIRATORY SYSTEM</b>									
LUNG	(8)	(8)	(6)	(5)	(5)	(7)	(8)	(0)	(8)
VENTRAL; ADHESION; MODERATE			1 (16.7%)						
ADHESION; CAUDAL, MODERATE							1 (12.5%)		
DISCOLORATION; DIFFUSE, MARKED, RED	1 (12.5%)			1 (20.0%)					
DISCOLORATION; DIFFUSE, MILD, RED		2 (25.0%)		1 (20.0%)	1 (20.0%)	1 (14.3%)	1 (12.5%)		
DISCOLORATION; MINIMAL, RED					1 (20.0%)				
THORAX	(8)	(8)	(6)	(5)	(5)	(7)	(8)	(0)	(0)
FLUID; MINIMAL			1 (16.7%)						
FLUID		1 (12.5%)							
<b>SPECIAL SENSES SYSTEM</b>									
None									

**Study Number:** I20045  
**Test Type:** TOX  
**Route:** Oral Gavage  
**Species/Strain:** Mouse/B6C3F1/N

**PA46s: Summary of Gross Pathology**  
**Test Compound:** Phenanthrene  
**CAS Number:** 85-01-8

**Date Report Requested:** 09/15/2021  
**Time Report Requested:** 14:03:31  
**Lab:** Burleson Research Technologies

---

**Female: Immunopath Cohort**

---

**Treatment Groups (mg/kg)**

	<b>0</b>	<b>12.5</b>	<b>25</b>	<b>50</b>	<b>100</b>	<b>200</b>	<b>400</b>	<b>800</b>	<b>50 mg/kg CPS</b>
<b>URINARY SYSTEM</b>									
KIDNEY, RIGHT	(8)	(8)	(6)	(5)	(5)	(7)	(8)	(0)	(8)
CYST; CLEAR, ONE		2 (25.0%)							
CYST									1 (12.5%)

---

**Study Number:** I20045  
**Test Type:** TOX  
**Route:** Oral Gavage  
**Species/Strain:** Mouse/B6C3F1/N

**PA46s: Summary of Gross Pathology**  
**Test Compound:** Phenanthrene  
**CAS Number:** 85-01-8

**Date Report Requested:** 09/15/2021  
**Time Report Requested:** 14:03:31  
**Lab:** Burleson Research Technologies

## 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 \*\***