

Study Number: I20045

Test Type: TOX

Route: Oral Gavage

Species/Strain: Mouse/B6C3F1/N

C Number:

Study Gender:

PWG Approval Date

PA10X: Statistical Analysis of Non-Neoplastic Lesions

Test Compound: Phenanthrene

CAS Number: 85-01-8

I20045

Female

See web page for date of PWG Approval

Date Report Requested: 08/06/2019

Time Report Requested: 08:32:33

Lab: BRT with ILS

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Female : Immunopath Cohort

Treatment Groups (mg/kg)

	0	12.5	25	50	100	200	400	800
Disposition Summary								
Animals Initially In Study	8	8	8	8	8	8	8	8
Early Deaths								
Euthanized, moribund			2	2	3	1		
Found Dead				1				
Removal, See Text Comments								8
Scheduled Deaths								
Scheduled sacrifice, terminal (SD 28)	8	8	6	5	5	7	8	
Number of Animals Examined	8	8	6	5	5	7	8	
ALIMENTARY SYSTEM								
ESOPHAGUS	(1)	(0)	(0)	(1)	(0)	(4)	(1)	(0)
INFLAMMATION; CHRONIC	1 (100%)			1 (100%)		4 (100%)	1 (100%)	
CARDIOVASCULAR SYSTEM								
None								
ENDOCRINE SYSTEM								
ADRENAL GLAND, RIGHT	(8)	(8)	(6)	(5)	(5)	(7)	(8)	(0)
ACCESSORY ADRENOCORTICAL NODULE	0 *			1 (20%)		1 (14.3%)	2 (25%)	
HYPERPLASIA; SUBCAPSULAR	8 (100%)	7 (87.5%)	6 (100%)	5 (100%)	5 (100%)	7 (100%)	8 (100%)	
GENERAL BODY SYSTEM								
None								
GENITAL SYSTEM								
None								

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HEMATOLYMPHOID SYSTEM								
LYMPH NODE, POPLITEAL	(7)	(8)	(6)	(4)	(5)	(7)	(8)	(0)
MEDULLARY SINUSES; INCREASED NUMBER; NEUTROPHIL							1 (12.5%)	
SPLEEN	(8)	(8)	(6)	(5)	(5)	(7)	(8)	(0)
FOLLICLES; GERMINAL CENTER; INCREASED NUMBER							1 (12.5%)	
THYMUS	(8)	(8)	(6)	(5)	(5)	(7)	(8)	(0)
CYST	6 (75%) *	5 (62.5%)	4 (66.7%)	3 (60%)	4 (80%)	7 (100%)	8 (100%)	
ECTOPIC TISSUE	0 *					1 (14.3%)	2 (25%)	
INTEGUMENTARY SYSTEM								
None								
MUSCULOSKELETAL SYSTEM								
None								
NERVOUS SYSTEM								
None								
RESPIRATORY SYSTEM								
LUNG	(8)	(8)	(6)	(5)	(5)	(7)	(8)	(0)
CONGESTION	1 (12.5%)	2 (25%)		2 (40%)	2 (40%)	1 (14.3%)	1 (12.5%)	
INFILTRATE, CELLULAR; HISTIOCYTE ARTERY, PULMONARY; INFLAMMATION; CHRONIC-ACTIVE			1 (16.7%)				1 (12.5%)	
PLEURA; INFLAMMATION; CHRONIC- ACTIVE		2 (25%)	1 (16.7%)					
INFLAMMATION; CHRONIC-ACTIVE				1 (20%)		1 (14.3%)	1 (12.5%)	

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0 12.5 25 50 100 200 400 800

SPECIAL SENSES SYSTEM

None

URINARY SYSTEM

KIDNEY, RIGHT	(8)	(8)	(6)	(5)	(5)	(7)	(8)	(0)
INFLAMMATION; CHRONIC PAPILLA; MINERALIZATION			2 (33.3%) 1 (16.7%)	1 (20%)	2 (40%)		1 (12.5%)	
NEPHROPATHY	0 **	1 (12.5%)				1 (14.3%)	3 (37.5%)	

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LEGEND

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 of animals with observation reported with percent incidence in parentheses

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

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

All trend and pairwise p-values are reported as one-sided.

* Statistically significant at $P \leq 0.05$

** Statistically significant at $P \leq 0.01$

**** END OF REPORT ****