

Study Number: I10353

Test Type: TOX

Route: Oral Gavage

Species/Strain: Mouse/B6C3F1/N

C Number:

Study Gender:

PWG Approval Date

PA03: Non-Neoplastic Lesion Summary with Percent Incidence

Test Compound: Benzo(a)pyrene

CAS Number: 50-32-8

I10353

Female

See web page for date of PWG Approval

Date Report Requested: 06/12/2019

Time Report Requested: 13:11:51

Lab: BRT with ILS

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Lab: BRT with ILS

Female: Immunopath

Treatment Groups (mg/kg)

	0	2	5	9	19	38	75	150
Disposition Summary								
Animals Initially In Study	8	8	8	8	8	8	8	8
Early Deaths								
Survivors								
Scheduled sacrifice, terminal (SD 28)	8	8	8	8	8	8	8	8
Animals Examined Microscopically	8	8	8	8	8	8	8	8
ALIMENTARY SYSTEM								
ESOPHAGUS	(0)	(0)	(1)	(0)	(0)	(0)	(0)	(0)
INFLAMMATION; CHRONIC			1 (100%)					
LIVER	(8)	(8)	(8)	(8)	(8)	(8)	(8)	(8)
STOMACH, FORESTOMACH	(1)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
CARDIOVASCULAR SYSTEM								
No Tissues/Organs Examined								
ENDOCRINE SYSTEM								
ADRENAL GLAND	(8)	(8)	(8)	(8)	(8)	(8)	(8)	(8)
ACCESSORY ADRENOCORTICAL NODULE			1 (13%)	1 (13%)	1 (13%)	1 (13%)	1 (13%)	
SUBCAPSULAR; HYPERPLASIA	8 (100%)	8 (100%)	8 (100%)	8 (100%)	8 (100%)	8 (100%)	8 (100%)	7 (88%)
GENERAL BODY SYSTEM								
No Tissues/Organs Examined								
GENITAL SYSTEM								
OVARY	(8)	(8)	(8)	(8)	(8)	(8)	(8)	(8)
CORPUS LUTEUM; DECREASED NUMBER							4 (50%)	8 (100%)
UTERUS	(0)	(0)	(0)	(0)	(0)	(0)	(2)	(3)

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HEMATOLYMPHOID SYSTEM								
BONE MARROW	(8)	(8)	(8)	(8)	(8)	(8)	(8)	(8)
LYMPH NODE, MESENTERIC	(8)	(8)	(8)	(8)	(8)	(8)	(8)	(8)
PARACORTEX; INCREASED AREA			1 (13%)	2 (25%)	2 (25%)	8 (100%)	5 (63%)	7 (88%)
PARACORTEX; LYMPHOCYTE; INCREASED NUMBER			1 (13%)	2 (25%)	2 (25%)	8 (100%)	5 (63%)	7 (88%)
LYMPH NODE, POPLITEAL	(8)	(8)	(8)	(7)	(7)	(8)	(8)	(7)
SPLEEN	(8)	(8)	(8)	(8)	(8)	(8)	(8)	(8)
CONGESTION			1 (13%)		1 (13%)			
PERIARTERIAL LYMPHOID SHEATH; DECREASED AREA; FOCAL		1 (13%)						
RED PULP; DECREASED HEMATOPOIETIC CELLS								2 (25%)
PERIARTERIAL LYMPHOID SHEATH; DECREASED LYMPHOCYTES; FOCAL		1 (13%)					1 (13%)	
PERIARTERIAL LYMPHOID SHEATH; DECREASED LYMPHOCYTES					2 (25%)	3 (38%)	3 (38%)	4 (50%)
FOLLICLES; GERMINAL CENTER; DECREASED NUMBER		1 (13%)	1 (13%)	1 (13%)	3 (38%)	5 (63%)	8 (100%)	8 (100%)
MARGINAL ZONE; INCREASED AREA		1 (13%)						
FOLLICLES; GERMINAL CENTER; INCREASED NUMBER			1 (13%)					
WHITE PULP; PIGMENTED MACROPHAGE; INCREASED NUMBER	1 (13%)							
THYMUS	(8)	(8)	(8)	(8)	(8)	(8)	(8)	(8)
CORTEX/MEDULLA RATIO - DECREASED		1 (13%)		2 (25%)	3 (38%)	6 (75%)	7 (88%)	8 (100%)
CYST	7 (88%)	4 (50%)	5 (63%)	5 (63%)	6 (75%)	7 (88%)	6 (75%)	6 (75%)
CORTEX; DECREASED AREA				2 (25%)	3 (38%)	6 (75%)	7 (88%)	7 (88%)
MEDULLA; DECREASED AREA					2 (25%)	2 (25%)	2 (25%)	6 (75%)
CORTEX; LYMPHOCYTE; DECREASED NUMBER				2 (25%)	3 (38%)	6 (75%)	7 (88%)	8 (100%)

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MEDULLA; LYMPHOCYTE; DECREASED NUMBER				1 (13%)	2 (25%)	2 (25%)	3 (38%)	8 (100%)
ECTOPIC TISSUE	2 (25%)					1 (13%)		1 (13%)
CORTEX; APOPTOTIC LYMPHOCYTE; INCREASED NUMBER					1 (13%)	2 (25%)	1 (13%)	8 (100%)
MEDULLA; APOPTOTIC LYMPHOCYTE; INCREASED NUMBER							1 (13%)	7 (88%)
CAPSULE; MONONUCLEAR CELL; INFILTRATE, CELLULAR				1 (13%)				
CAPSULE; INFILTRATION, ADIPOCYTES								1 (13%)
INTEGUMENTARY SYSTEM								
No Tissues/Organs Examined								
MUSCULOSKELETAL SYSTEM								
No Tissues/Organs Examined								
NERVOUS SYSTEM								
No Tissues/Organs Examined								
RESPIRATORY SYSTEM								
LUNG	(8)	(8)	(8)	(8)	(8)	(8)	(8)	(8)
CONGESTION				4 (50%)		2 (25%)	2 (25%)	
HEMORRHAGE				1 (13%)	1 (13%)	1 (13%)		1 (13%)
INFLAMMATION; CHRONIC-ACTIVE	1 (13%)							1 (13%)
SPECIAL SENSES SYSTEM								
No Tissues/Organs Examined								
URINARY SYSTEM								
KIDNEY	(8)	(8)	(8)	(8)	(8)	(8)	(8)	(8)
PELVIS; INFILTRATE, CELLULAR; MIXED								1 (13%)
INFILTRATE, CELLULAR; MIXED		2 (25%)	2 (25%)	2 (25%)		1 (13%)	1 (13%)	
NEPHROPATHY			1 (13%)	1 (13%)	1 (13%)		1 (13%)	1 (13%)

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LEGEND

Number of animals examined given for each tissue. If none of the animals examined have the specific lesion then there is a blank for that dose group for that specific lesion.

Number of animals with observation reported with percent incidence in parentheses

Phase day range of terminal sacrifice shown in parentheses in disposition summary

SD – Study Day

**** END OF REPORT ****