

Study Number: C20302B-04
Test Type: TOX
Route: Whole-Body Inhalation
Species/Strain: Rat/Harlan Sprague Dawley

PA10 Subchronic: Statistical Analysis of Non-Neoplastic Lesions
Test Compound: alpha-Pinene
CAS Number: 80-56-8
Target Version: QA Pathologist

Date Report Requested: 05/16/2023
Time Report Requested: 13:21:36
Lab: Battelle

Study Number:

C20302B-04

Study Sex:

Both

PWG Approval Date:

See web page for date of PWG Approval

Version:

v1.5.0

Stat Version:

v3.0.2A

Study Version Details:

QA Pathologist: Add locator of Cervix to Uterus (3)

Male : Core				
	Treatment Groups (ppm)			
	0	50	100	200
Disposition Summary				
Animals Initially In Study	10	10	10	10
Censored				
Early Deaths				
Survivors				
Scheduled Sacrifice, Terminal	10	10	10	10
Number Animals Examined Microscopically	10	10	10	10
ALIMENTARY SYSTEM				
None				
CARDIOVASCULAR SYSTEM				
None				
ENDOCRINE SYSTEM				
None				
GENERAL BODY SYSTEM				
None				
GENITAL SYSTEM				
EPIDIDYMIS	(10)	(10)	(10)	(10)
DUCT; EXFOLIATED GERM CELL; MULTIFOCAL	1 (10%)			
TESTIS	(10)	(10)	(10)	(10)
SEMINIFEROUS TUBULE; GERM CELL; CELLULAR ATYPIA; FOCAL		1 (10%)		
SEMINIFEROUS TUBULE; GERM CELL; DEGENERATION; MULTIFOCAL	1 (10%)	1 (10%)		
HEMATOLYMPHOID SYSTEM				
None				

Male : Core				
Treatment Groups (ppm)				
	0	50	100	200
INTEGUMENTARY SYSTEM				
None				
MUSCULOSKELETAL SYSTEM				
None				
NERVOUS SYSTEM				
None				
RESPIRATORY SYSTEM				
None				
SPECIAL SENSES SYSTEM				
None				
URINARY SYSTEM				
None				

Female : Core				
	Treatment Groups (ppm)			
	0	50	100	200
Disposition Summary				
Animals Initially In Study	10	10	10	10
Censored				
Early Deaths				
Survivors				
Scheduled Sacrifice, Terminal	10	10	10	10
Number Animals Examined Microscopically	10	10	10	10
ALIMENTARY SYSTEM				
None				
CARDIOVASCULAR SYSTEM				
None				
ENDOCRINE SYSTEM				
None				
GENERAL BODY SYSTEM				
None				
GENITAL SYSTEM				
None				
HEMATOLYMPHOID SYSTEM				
None				
INTEGUMENTARY SYSTEM				
MAMMARY GLAND	(10)	(10)	(10)	(10)
DUCT; EPITHELIUM; DEGENERATION; FOCAL		1 (10%)		

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Female : Core				
Treatment Groups (ppm)				
	0	50	100	200
MUSCULOSKELETAL SYSTEM				
None				
NERVOUS SYSTEM				
None				
RESPIRATORY SYSTEM				
None				
SPECIAL SENSES SYSTEM				
None				
URINARY SYSTEM				
None				

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LEGEND

Censored animals are animals not in one of the other disposition categories that are removed prior to the end of the study. The censored animals are included in the pathology data if microscopic examination of tissues was performed.

In the rows with the tissue names, the number of animals examined for each tissue is shown in parentheses.

In the rows with the lesion names, the number of animals with observation are reported with percent incidence in parentheses. If none of the animals examined have the specific lesion, 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; in that case a 0 is included for the control group on the table for that lesion.

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

* Statistically significant at $P \leq 0.05$

** Statistically significant at $P \leq 0.01$

**** END OF REPORT ****