

Study Number: I99067
Test Type: TOX
Route: Oral Gavage
Species/Strain: Rat/Harlan Sprague Dawley

PA46s: Summary of Gross Pathology
Test Compound: Echinacea purpurea root extract
CAS Number: 90028-20-9
Final

Date Report Requested: 10/03/2025
Time Report Requested: 15:06:17
Lab: BRT with CRL

Study Number: I99067
Study Sex: Female
PWG Approval Date: See web page for date of PWG Approval
Version: v1.7.2-6-ge85fa364
Stat Version: 2025.06.02S

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Female: Immunopath

Treatment Groups (mg/kg)

	0	125	250	500	1000	2000	15 mg/kg CPS
Disposition Summary							
Animals Initially In Study	12	12	12	12	12	12	8
Censored				1			
Early Deaths							
Survivors							
Scheduled Sacrifice, Terminal	12	12	12	11	12	12	8
Number of Animals Examined	12	12	12	12	12	12	8

ALIMENTARY SYSTEM

None

CARDIOVASCULAR SYSTEM

None

ENDOCRINE SYSTEM

None

GENERAL BODY SYSTEM

None

HEMATOLYMPHOID SYSTEM

SPLEEN	(12)	(12)	(12)	(11)	(12)	(12)	(8)
SMALL	0						7 (87.5%) **
THYMUS	(12)	(12)	(12)	(11)	(12)	(12)	(8)
SMALL	1 (8.3%) **	1 (8.3%)			3 (25.0%)	5 (41.7%)	8 (100.0%) **

HEMATOPOIETIC SYSTEM

None

HEPATOBIILIARY SYSTEM

None

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Treatment Groups (mg/kg)

0 125 250 500 1000 2000 15 mg/kg CPS

IMMUNE SYSTEM

None

INTEGUMENTARY SYSTEM

None

MUSCULOSKELETAL SYSTEM

None

NERVOUS SYSTEM

None

REPRODUCTIVE SYSTEM

None

RESPIRATORY SYSTEM

LUNG	(12)	(12)	(12)	(12)	(12)	(12)	(8)
DISCOLORATION; BROWN				1 (8.3%)			

SPECIAL SENSES SYSTEM

None

URINARY SYSTEM

None

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LEGEND

For this study, "Censored" refers to one female in the 500 mg/kg group that was a dosing accident and was euthanized.

In the rows with the tissue names, the number of animals with 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. The positive control group (15 mg/kg CPS) was excluded from trend test.

Statistical analysis for the positive control group (15 mg/kg CPS) compared to the vehicle control group was performed using the Fisher Exact 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 $p \leq 0.01$

SD = Study Day

All animals were removed from the study on SD 28.

CPS = Cyclophosphamide

**** END OF REPORT ****