

Study Number: I20263

Test Type: TOX

Route: Dosing in Feed

Species/Strain: Rat/Harlan Sprague Dawley

Study Number:

I20263

Study Gender:

Both

PWG Approval Date:

See web page for date of PWG Approval

Version:

v1.1.8

I05: Clinical Observations Summary

Test Compound: Tris (chloropropyl) phosphate

CAS Number: 13674-84-5

Date Report Requested: 03/23/2021

Time Report Requested: 12:22:30

Lab: Burleson Research Technologies

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F0 Female

Phase	Observation	Treatment Groups (ppm)			
		0	2500	5000	10000
GD	Discharge Eye; Red, Right	0 / 30	1 / 29 GD 3	1 / 29 GD 2	0 / 30
LD	Alopecia Fore Limb; Left	0 / 30	0 / 29	0 / 29	1 / 30 LD 3
LD	Discharge Eye; Red, Right	0 / 30	0 / 29	1 / 29 LD 1	0 / 30
LD	Discharge Vagina; Red	0 / 30	1 / 29 LD 1	2 / 29 LD 1	1 / 30 LD 1

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F1 Male: SRBC

Phase	Observation	Treatment Groups (ppm)				
		0	2500	5000	10000	15 mg/kg CPS
SD	Discharge Eye; Red, Right	0 / 12	0 / 12	1 / 12 SD 35	0 / 12	0 / 5
SD	Discolored Tip of Tail; Bilateral, Bluish	0 / 12	0 / 12	1 / 12 SD 96	0 / 12	0 / 5
SD	Kinked Tail	0 / 12	0 / 12	1 / 12 SD 0	0 / 12	0 / 5
SD	Stained Abdomen; Yellow	1 / 12 SD 98	0 / 12	0 / 12	0 / 12	0 / 5
SD	Swelling Abdomen; Right	0 / 12	0 / 12	0 / 12	1 / 12 SD 112	0 / 5

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F1 Female: SRBC

Phase	Observation	Treatment Groups (ppm)				
		0	2500	5000	10000	15 mg/kg CPS
SD	No Abnormalities Found	12 / 12	12 / 12	12 / 12	12 / 12	5 / 5

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F1 Male: KLH

Phase	Observation	Treatment Groups (ppm)				
		0	2500	5000	10000	15 mg/kg CPS
SD	Kinked Tail	0 / 12	0 / 12	0 / 12	1 / 10 SD 14	0 / 8
SD	Nails Broken Fore Paw; Right	0 / 12	0 / 12	0 / 12	0 / 10	1 / 8 SD 32
SD	Scab Tail	0 / 12	0 / 12	0 / 12	1 / 10 SD 14	0 / 8

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F1 Female: KLH

Phase	Observation	Treatment Groups (ppm)				
		0	2500	5000	10000	15 mg/kg CPS
SD	Nails Broken Hind Paw; Right	0 / 12	0 / 12	0 / 12	0 / 12	1 / 8 SD 19

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F1 Male: Immunophenotyping

Phase	Observation	Treatment Groups (ppm)				
		0	2500	5000	10000	15 mg/kg CPS
SD	Discharge Eye; Left, Red	0 / 12	1 / 12 SD 70	0 / 12	0 / 11	0 / 8
SD	Kinked Tail	0 / 12	0 / 12	0 / 12	1 / 11 SD 14	0 / 8

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F1 Female: Immunophenotyping

Phase	Observation	Treatment Groups (ppm)				
		0	2500	5000	10000	15 mg/kg CPS
SD	No Abnormalities Found	12 / 12	12 / 12	12 / 12	12 / 12	8 / 8

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F1 Male: CTL

Phase	Observation	Treatment Groups (ppm)				
		0	2500	5000	10000	15 mg/kg CPS
SD	Scab Tail; Right	0 / 12	1 / 12 SD 28	0 / 12	0 / 12	0 / 8

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F1 Female: CTL

Phase	Observation	Treatment Groups (ppm)				
		0	2500	5000	10000	15 mg/kg CPS
SD	Scab Tail; Left	1 / 12 SD 91	0 / 12	0 / 12	1 / 12 SD 77	0 / 8

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F1 Male: Immunopath

Phase	Observation	Treatment Groups (ppm)				
		0	2500	5000	10000	15 mg/kg CPS
SD	Wound Tail; Bilateral	0 / 12	0 / 12	0 / 12	1 / 11 SD 77	0 / 8

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F1 Female: Immunopath

Phase	Observation	Treatment Groups (ppm)				
		0	2500	5000	10000	15 mg/kg CPS
SD	Nails Broken Fore Paw; Left	0 / 12	0 / 12	0 / 12	0 / 11	1 / 8 SD 83
SD	Nails Broken Hind Paw; Right	0 / 12	0 / 12	0 / 12	0 / 11	1 / 8 SD 83

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F1 Male: SXXX

Phase	Observation	Treatment Groups (ppm)				
		0	2500	5000	10000	15 mg/kg CPS
SD	Discharge Eye; Left, Red	0 / 12	0 / 12	1 / 12 SD 0	0 / 12	0 / 8
SD	Discharge Eye; Red, Right	0 / 12	0 / 12	1 / 12 SD 40	0 / 12	0 / 8

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F1 Female: SXXX

Phase	Observation	Treatment Groups (ppm)				
		0	2500	5000	10000	15 mg/kg CPS
SD	Kinked Tail	0 / 12	0 / 12	0 / 12	1 / 12 SD 73	0 / 8
SD	Scab Tail; Left	0 / 12	1 / 12 SD 28	0 / 12	0 / 12	0 / 8

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LEGEND

Animals exhibiting clinical observations "within normal limits" were recorded as scheduled but are omitted from the table for clarity.

Upper row displays cumulative number of animals with observation / total animals started on study for SD days, total number of pregnant animals for GD days, or total number of littered females for LD days.

Lower row displays day of observation onset

SD – Study Day; GD – Gestation Day; LD – Lactation Day; PND – Postnatal Day, adults post-weaning

F0 females listed as SD were not pregnant.

SXXX – General toxicity endpoints only are reported for this cohort. No immune function data reported due to study quality.

CPS = Cyclophosphamide

**** END OF REPORT ****