

Study Number: I07062B

Test Type: TOX

Route: Whole-Body Inhalation

Species/Strain: Mouse/B6C3F1/N

Study Number:

Study Sex:

PWG Approval Date:

Version:

I05: Clinical Observations Summary

Test Compound: 1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

I07062B

Female

See web page for date of PWG Approval

v1.2.9

Date Report Requested: 08/16/2021

Time Report Requested: 16:10:10

Lab: Burleson Research Technologies

Study Number: I07062B

Test Type: TOX

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Species/Strain: Mouse/B6C3F1/N

I05: Clinical Observations Summary

Test Compound: 1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 08/16/2021

Time Report Requested: 16:10:10

Lab: Burleson Research Technologies

Female: SRBC

Phase	Observation	Treatment Groups (mg/m ³)				
		0	0.06	0.2	0.6	50 mg/kg CPS
SD	Alopecia Abdomen; Bilateral	0 / 8	0 / 8	1 / 8 SD 35	0 / 8	1 / 8 SD 35
SD	Alopecia Hind Limb; Right	1 / 8 SD 37	0 / 8	0 / 8	0 / 8	0 / 8
SD	Alopecia Thorax; Bilateral	0 / 8	0 / 8	1 / 8 SD 35	0 / 8	1 / 8 SD 35
SD	Discolored Hind Limb; Red	1 / 8 SD 37	0 / 8	0 / 8	0 / 8	0 / 8
SD	Hypoactivity	1 / 8 SD 36	0 / 8	0 / 8	0 / 8	0 / 8
SD	Kinked Tail	0 / 8	1 / 8 SD 31	0 / 8	0 / 8	0 / 8
SD	Limping Hind Paw; Moderate	1 / 8 SD 35	0 / 8	0 / 8	0 / 8	0 / 8
SD	Limping Mild	1 / 8 SD 36	0 / 8	0 / 8	0 / 8	0 / 8
SD	Limping Moderate	1 / 8 SD 35	0 / 8	0 / 8	0 / 8	0 / 8
SD	Opacity Eye; Left	0 / 8	1 / 8 SD 33	0 / 8	0 / 8	0 / 8

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Female: SRBC						
Phase	Observation	Treatment Groups (mg/m³)				
		0	0.06	0.2	0.6	50 mg/kg CPS
SD	Swelling Hind Paw; Right	1 / 8 SD 35	0 / 8	0 / 8	0 / 8	0 / 8
SD	Wound Hind Limb; Right	1 / 8 SD 37	0 / 8	0 / 8	0 / 8	0 / 8

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Female: KLH						
Phase	Observation	Treatment Groups (mg/m ³)				
		0	0.06	0.2	0.6	50 mg/kg CPS
SD	Alopecia Abdomen; Bilateral	1 / 8 SD 35	4 / 8 SD 35	3 / 8 SD 31	1 / 8 SD 35	0 / 8
SD	Alopecia Hind Limb; Left	0 / 8	1 / 8 SD 42	0 / 8	0 / 8	0 / 8
SD	Alopecia Thorax; Bilateral	0 / 8	0 / 8	2 / 8 SD 35	0 / 8	0 / 8
SD	Kinked Tail	1 / 8 SD 31	0 / 8	0 / 8	0 / 8	0 / 8
SD	Missing Tip of Tail	1 / 8 SD 31	0 / 8	0 / 8	0 / 8	0 / 8
SD	Opacity Eye; Right	0 / 8	1 / 8 SD 35	0 / 8	0 / 8	0 / 8
SD	Scab Tail	1 / 8 SD 31	0 / 8	0 / 8	0 / 8	0 / 8

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Female: Immunophenotyping						
Phase	Observation	Treatment Groups (mg/m ³)				
		0	0.06	0.2	0.6	50 mg/kg CPS
SD	Coat Ruffled	0 / 8	0 / 8	1 / 8 SD 31	0 / 8	0 / 8
SD	Hunched	0 / 8	0 / 8	1 / 8 SD 31	0 / 8	0 / 8
SD	Wound Nose/Snout; Right	0 / 8	0 / 8	1 / 8 SD 31	0 / 8	0 / 8

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Lab: Burleson Research Technologies

Female: CTL

Phase	Observation	Treatment Groups (mg/m ³)				
		0	0.06	0.2	0.6	50 mg/kg CPS
SD	Alopecia Abdomen; Bilateral	2 / 8 SD 35	3 / 8 SD 31	0 / 8	1 / 8 SD 31	1 / 8 SD 31
SD	Alopecia Hind Limb; Bilateral	1 / 8 SD 35	0 / 8	0 / 8	0 / 8	0 / 8
SD	Alopecia Thorax	1 / 8 SD 35	1 / 8 SD 35	0 / 8	1 / 8 SD 35	0 / 8
SD	Kinked Tail	0 / 8	0 / 8	1 / 8 SD 31	0 / 8	0 / 8
SD	Missing Tip of Tail; Bilateral	0 / 8	0 / 8	1 / 8 SD 31	0 / 8	0 / 8
SD	Piloerection	4 / 8 SD 44	4 / 8 SD 44	4 / 8 SD 44	4 / 8 SD 44	4 / 8 SD 44

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Female: NK						
Phase	Observation	Treatment Groups (mg/m ³)				
		0	0.06	0.2	0.6	50 mg/kg CPS
SD	Alopecia Abdomen; Bilateral	0 / 8	4 / 8 SD 31	1 / 8 SD 35	3 / 8 SD 35	1 / 8 SD 35
SD	Alopecia Dorsum; Right	0 / 8	0 / 8	0 / 8	0 / 8	1 / 8 SD 35
SD	Alopecia Hind Limb	0 / 8	0 / 8	0 / 8	0 / 8	1 / 8 SD 31
SD	Alopecia Thorax; Bilateral	0 / 8	2 / 8 SD 31	1 / 8 SD 35	3 / 8 SD 35	0 / 8
SD	Kinked Tail	0 / 8	1 / 8 SD 31	0 / 8	0 / 8	0 / 8

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Female: Immunopathology

Phase	Observation	Treatment Groups (mg/m ³)				
		0	0.06	0.2	0.6	50 mg/kg CPS
SD	Alopecia Abdomen; Bilateral	0 / 8	0 / 8	0 / 7	0 / 8	1 / 8 SD 35
SD	Alopecia Fore Limb; Bilateral	0 / 8	0 / 8	0 / 7	0 / 8	1 / 8 SD 35
SD	Alopecia Thorax; Bilateral	0 / 8	0 / 8	0 / 7	0 / 8	1 / 8 SD 35
SD	Alopecia Thorax; Right	0 / 8	0 / 8	0 / 7	0 / 8	1 / 8 SD 35
SD	Alopecia Thorax	1 / 8 SD 31	0 / 8	0 / 7	0 / 8	0 / 8
SD	Eye Abnormality Right	0 / 8	0 / 8	1 / 7 SD 31	0 / 8	0 / 8
SD	Missing Tip of Tail	0 / 8	1 / 8 SD 31	0 / 7	0 / 8	0 / 8
SD	Scab Tail	0 / 8	0 / 8	0 / 7	1 / 8 SD 31	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

CPS = Cyclophosphamide

**** END OF REPORT ****