

Study Number: I07062C

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

I07062C

Female

See web page for date of PWG Approval

v1.3.2

Date Report Requested: 09/03/2021

Time Report Requested: 09:11:56

Lab: Burleson Research Technologies

Study Number: I07062C
Test Type: TOX
Route: Whole-Body Inhalation
Species/Strain: Mouse/B6C3F1/N

I05: Clinical Observations Summary
Test Compound: 1020 Long Multiwalled Carbon Nanotube
CAS Number: L-MWNT-1020

Date Report Requested: 09/03/2021
Time Report Requested: 09:11:56
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	1 / 8 SD 94	0 / 8	0 / 8	0 / 8	0 / 8
SD	Alopecia Abdomen	0 / 8	0 / 8	2 / 8 SD 94	1 / 8 SD 94	0 / 8
SD	Alopecia Hind Limb; Left	1 / 8 SD 94	0 / 8	0 / 8	0 / 8	0 / 8
SD	Alopecia Thorax; Bilateral	2 / 8 SD 94	0 / 8	0 / 8	0 / 8	0 / 8
SD	Alopecia Thorax	0 / 8	0 / 8	2 / 8 SD 94	1 / 8 SD 94	0 / 8

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I05: Clinical Observations Summary
Test Compound: 1020 Long Multiwalled Carbon Nanotube
CAS Number: L-MWNT-1020

Date Report Requested: 09/03/2021
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Lab: Burleson Research Technologies

Female: KLH						
Phase	Observation	Treatment Groups (mg/m ³)				
		0	0.06	0.2	0.6	50 mg/kg CPS
SD	Alopecia Abdomen	0 / 8	1 / 8 SD 94	0 / 8	1 / 8 SD 94	0 / 8
SD	Alopecia Thorax	0 / 8	1 / 8 SD 94	1 / 8 SD 94	2 / 8 SD 94	0 / 8
SD	Nails Broken Fore Paw; Left	1 / 8 SD 113	0 / 8	0 / 8	0 / 8	0 / 8

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I05: Clinical Observations Summary
Test Compound: 1020 Long Multiwalled Carbon Nanotube
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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	Alopecia Abdomen	0 / 8	1 / 8 SD 94	3 / 8 SD 94	0 / 8	0 / 8
SD	Alopecia Fore Limb; Left	1 / 8 SD 94	0 / 8	0 / 8	0 / 8	0 / 8
SD	Alopecia Head	0 / 8	0 / 8	1 / 8 SD 94	0 / 8	0 / 8
SD	Alopecia Thorax	0 / 8	1 / 8 SD 94	3 / 8 SD 94	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	1 / 8 SD 94	0 / 8	0 / 8	0 / 8	0 / 8
SD	Alopecia Abdomen	0 / 8	0 / 8	3 / 8 SD 94	5 / 8 SD 94	0 / 8
SD	Alopecia Fore Limb; Left	1 / 8 SD 94	0 / 8	0 / 8	0 / 8	0 / 8
SD	Alopecia Hind Limb; Bilateral	1 / 8 SD 94	0 / 8	0 / 8	0 / 8	0 / 8
SD	Alopecia Thorax	0 / 8	3 / 8 SD 94	3 / 8 SD 94	5 / 8 SD 94	0 / 8
SD	Hunched	0 / 8	0 / 8	0 / 8	0 / 8	8 / 8 SD 13
SD	Piloerection	8 / 8 SD 104	8 / 8 SD 104	8 / 8 SD 104	8 / 8 SD 104	8 / 8 SD 11

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CAS Number: L-MWNT-1020

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Female: NK						
Phase	Observation	Treatment Groups (mg/m³)				
		0	0.06	0.2	0.6	50 mg/kg CPS
SD	Alopecia Abdomen	0 / 8	0 / 8	0 / 8	1 / 8 SD 94	0 / 8
SD	Alopecia Thorax	0 / 8	2 / 8 SD 94	2 / 8 SD 94	2 / 8 SD 94	0 / 8

Female: Immunopath						
Phase	Observation	Treatment Groups (mg/m ³)				
		0	0.06	0.2	0.6	50 mg/kg CPS
SD	Alopecia Abdomen	0 / 8	2 / 7 SD 94	1 / 8 SD 94	3 / 8 SD 94	0 / 8
SD	Alopecia Head	0 / 8	1 / 7 SD 94	0 / 8	0 / 8	0 / 8
SD	Alopecia Hind Limb; Right	0 / 8	2 / 7 SD 94	0 / 8	0 / 8	0 / 8
SD	Alopecia Thorax	0 / 8	2 / 7 SD 94	3 / 8 SD 94	3 / 8 SD 94	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.

Lower row displays day of observation onset

CPS = Cyclophosphamide

**** END OF REPORT ****