

Study Number: I07062

Test Type: TOX

Route: Whole-Body Inhalation

Species/Strain: Rat/Harlan Sprague Dawley

Study Number:

Study Sex:

PWG Approval Date:

Version:

Stat Version:

I04: Mean Body Weight Summary

Test Compound: 1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

I07062

Female

See web page for date of PWG Approval

v1.7.0

2022.10.13S

Date Report Requested: 12/27/2024

Time Report Requested: 10:20:42

Lab: Burleson Research Technologies

Study Number: I07062
Test Type: TOX
Route: Whole-Body Inhalation
Species/Strain: Rat/Harlan Sprague Dawley

I04: Mean Body Weight Summary
Test Compound: 1020 Long Multiwalled Carbon Nanotube
CAS Number: L-MWNT-1020

Date Report Requested: 12/27/2024
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Females: Immunopath											
Treatment Groups (mg/m ³)											
Phase Day	0		0.06			0.2			0.6		
	Wt (g)	N	Wt (g)	% of CNTL	N	Wt (g)	% of CNTL	N	Wt (g)	% of CNTL	N
SD0	141.0 ± 2.1	12	139.6 ± 2.2	98.9	12	137.9 ± 2.3	97.7	12	138.5 ± 1.9	98.2	12
SD7	160.3 ± 2.6	12	155.8 ± 2.7	97.2	12	155.2 ± 2.3	96.8	12	158.1 ± 1.9	98.6	12
SD14	174.4 ± 2.0	12	168.7 ± 2.8	96.7	12	168.5 ± 2.8	96.6	12	176.0 ± 2.2	100.9	12
SD21	186.3 ± 2.8	12	177.7 ± 4.1	95.4	12	180.4 ± 2.7	96.8	12	189.7 ± 3.1	101.8	12
SD28	197.8 ± 2.8	12	190.1 ± 3.2	96.1	12	189.7 ± 3.1	95.9	12	199.5 ± 3.5	100.8	12
SD35	201.9 ± 2.7	12	196.8 ± 2.8	97.5	12	197.5 ± 3.4	97.8	12	204.9 ± 3.0	101.5	12

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Phase Day	Treatment Groups (mg/m ³)		
	15 mg/kg CPS		
	Wt (g)	% of CNTL	N
SD0	135.2 ± 1.6 *	95.9	10
SD7	151.5 ± 1.7 *	94.5	10
SD14	161.3 ± 1.5 **	92.5	10
SD21	171.4 ± 1.9 **	92.0	10
SD28	180.9 ± 1.8 **	91.5	10
SD35	192.2 ± 2.5 *	95.2	10

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LEGEND

Data are displayed as mean \pm SEM

Statistical analysis performed by Jonckheere (trend) and Williams or Dunnett (pairwise) 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 t-test.

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 $P \leq 0.01$

SEM = Standard Error of the Mean

SD = Study Day

CPS = Cyclophosphamide

**** END OF REPORT ****