

Study Number: I07062C

Test Type: TOX

Route: Whole-Body Inhalation

Species/Strain: Mouse/B6C3F1/N

I04G: Mean Body Weight Gain

Test Compound: 1020 Long Multiwalled Carbon Nanotube

CAS Number: L-MWNT-1020

Date Report Requested: 01/02/2024

Time Report Requested: 14:31:15

Lab: Burleson Research Technologies

Study Number:

I07062C

Study Sex:

Female

PWG Approval Date:

See web page for date of PWG Approval

Version:

v1.6.1

Stat Version:

v3.0.2A

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Females: SRBC									
Treatment Groups (mg/m ³)									
Phase	Days	0		0.06		0.2		0.6	
		Wt Gain (g)	N	Wt Gain (g)	N	Wt Gain (g)	N	Wt Gain (g)	N
SD	94 - 98	2.0 ± 0.3	8	1.9 ± 0.3	8	1.8 ± 0.4	8	1.4 ± 0.2	8
	98 - 105	-0.0 ± 0.2	8	-0.2 ± 0.2	8	-0.5 ± 0.4	8	0.1 ± 0.3	8

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Females: KLH									
Treatment Groups (mg/m ³)									
Phase	Days	0		0.06		0.2		0.6	
		Wt Gain (g)	N	Wt Gain (g)	N	Wt Gain (g)	N	Wt Gain (g)	N
SD	94 - 98	1.6 ± 0.4	8	1.8 ± 0.3	8	1.3 ± 0.3	8	1.9 ± 0.3	8
	98 - 105	0.1 ± 0.3	8	0.1 ± 0.3	8	0.2 ± 0.2	8	0.2 ± 0.3	8
	105 - 112	0.1 ± 1.3	8	1.0 ± 0.4	8	1.0 ± 0.3	8	1.5 ± 0.4	8

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Females: Immunophenotyping									
Phase	Days	Treatment Groups (mg/m ³)							
		0		0.06		0.2		0.6	
		Wt Gain (g)	N	Wt Gain (g)	N	Wt Gain (g)	N	Wt Gain (g)	N
SD	94 - 98	1.5 ± 0.2	8	1.8 ± 0.2	8	1.9 ± 0.3	8	1.8 ± 0.2	8
	98 - 105	0.7 ± 0.3	8	0.6 ± 0.2	8	1.1 ± 0.3	8	0.5 ± 0.3	8
	105 - 112	1.3 ± 0.3	8	1.8 ± 0.3	8	1.4 ± 0.4	8	1.3 ± 0.3	8

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Females: CTL									
Treatment Groups (mg/m ³)									
Phase	Days	0		0.06		0.2		0.6	
		Wt Gain (g)	N	Wt Gain (g)	N	Wt Gain (g)	N	Wt Gain (g)	N
SD	94 - 98	2.4 ± 0.2 *	8	1.9 ± 0.3	8	1.9 ± 0.2	8	1.4 ± 0.2 *	8
	98 - 105	-4.8 ± 0.5	8	-4.3 ± 0.4	8	-4.9 ± 0.5	8	-5.3 ± 0.5	8

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Females: NK									
Treatment Groups (mg/m ³)									
Phase	Days	0		0.06		0.2		0.6	
		Wt Gain (g)	N	Wt Gain (g)	N	Wt Gain (g)	N	Wt Gain (g)	N
SD	94 - 98	2.1 ± 0.4	8	1.9 ± 0.3	8	1.8 ± 0.1	8	1.6 ± 0.3	8
	98 - 105	1.0 ± 0.3	8	0.5 ± 0.4	8	0.9 ± 0.3	8	0.9 ± 0.3	8
	105 - 112	0.3 ± 0.4	8	0.7 ± 0.5	8	-0.3 ± 0.4	8	-0.1 ± 0.4	8

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Females: Immunopath									
Phase	Days	Treatment Groups (mg/m ³)							
		0		0.06		0.2		0.6	
		Wt Gain (g)	N	Wt Gain (g)	N	Wt Gain (g)	N	Wt Gain (g)	N
SD	94 - 98	2.7 ± 0.3 *	8	1.9 ± 0.3	7	1.4 ± 0.3 **	8	1.8 ± 0.2	8

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LEGEND

Data are displayed as mean $\pm$ SEM

SD – Study Day

Statistical analysis of weight data performed by Jonckheere (trend) and Williams or Dunnett (pairwise) 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 $P \leq 0.01$

**** END OF REPORT ****

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