

Study Number: C04052

Test Type: TOX

Route: Nose-Only Inhalation

Species/Strain: Mouse/B6C3F1/N

I04G: Mean Body Weight Gain

Test Compound: Stachybotrys chartarum

CAS Number: 67892-26-6

Date Report Requested: 11/15/2021

Time Report Requested: 14:28:58

Lab: Battelle

Study Number:

C04052

Study Gender:

Both

PWG Approval Date:

See web page for date of PWG Approval

Version:

v1.3.3-2-g40295ca

Stat Version:

S

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Males

Treatment Groups (Air)

Phase	Days	Air Control		Heat Inactivated Particle Control		Viable Stachybotrys chartarum	
		Wt Gain (g)	N	Wt Gain (g)	N	Wt Gain (g)	N
SD	1 - 8	0.4 ± 0.1	9	0.1 ± 0.1	10	-0.0 ± 0.1	10
	8 - 15	0.9 ± 0.1	9	1.0 ± 0.1	10	0.9 ± 0.1	10
	15 - 22	0.6 ± 0.1	9	0.5 ± 0.1	10	0.8 ± 0.2	10
	22 - 29	0.5 ± 0.1	9	0.7 ± 0.2	10	0.8 ± 0.1	10
	29 - 36	2.4 ± 0.2	9	2.2 ± 0.2	10	1.9 ± 0.2	10
	36 - 43	-0.6 ± 0.1	9	-0.4 ± 0.1	10	-0.2 ± 0.1	10
	43 - 50	0.7 ± 0.1	9	0.9 ± 0.1	10	0.8 ± 0.1	10
	50 - 58	1.0 ± 0.2	9	1.1 ± 0.1	10	1.1 ± 0.1	10
	58 - 64	1.3 ± 0.1	9	0.8 ± 0.2	10	1.3 ± 0.2	10
	64 - 71	0.5 ± 0.2	9	0.8 ± 0.2	10	0.6 ± 0.1	10
	71 - 78	0.7 ± 0.1	9	0.8 ± 0.2	10	0.9 ± 0.1	10
	78 - 85	0.3 ± 0.2	9	0.2 ± 0.1	10	0.7 ± 0.1	10
	85 - 88	0.1 ± 0.2	9	-0.2 ± 0.1	10	-0.3 ± 0.1	10
	1 - 88	8.8 ± 0.4	9	8.4 ± 0.5	10	9.3 ± 0.6	10

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Females

Treatment Groups (Air)

Phase	Days	Air Control		Heat Inactivated Particle Control		Viable Stachybotrys chartarum	
		Wt Gain (g)	N	Wt Gain (g)	N	Wt Gain (g)	N
SD	1 - 8	0.3 ± 0.1	10	0.5 ± 0.3	10	0.3 ± 0.1	10
	8 - 15	0.9 ± 0.2	10	0.9 ± 0.2	10	0.7 ± 0.2	10
	15 - 22	0.7 ± 0.2	10	0.9 ± 0.2	10	0.9 ± 0.2	10
	22 - 29	0.6 ± 0.2	10	1.0 ± 0.3	10	0.5 ± 0.3	10
	29 - 36	1.7 ± 0.3	10	2.6 ± 0.3	10	0.9 ± 0.4 ##	10
	36 - 43	-0.1 ± 0.2	10	0.3 ± 0.2	10	0.1 ± 0.2	10
	43 - 50	0.8 ± 0.2	10	0.7 ± 0.3	10	0.4 ± 0.3	10
	50 - 58	0.9 ± 0.2	10	0.9 ± 0.3	10	0.9 ± 0.2	10
	58 - 64	0.9 ± 0.4	10	0.9 ± 0.3	10	0.8 ± 0.2	10
	64 - 71	0.9 ± 0.3	10	0.7 ± 0.3	10	0.7 ± 0.3	10
	71 - 78	0.9 ± 0.2	10	1.2 ± 0.2	10	1.5 ± 0.3	10
	78 - 85	0.6 ± 0.2	10	0.6 ± 0.2	10	0.6 ± 0.2	10
	85 - 88	-0.1 ± 0.1	10	-0.5 ± 0.3	10	-0.2 ± 0.3	10
	1 - 88	9.0 ± 1.0	10	10.8 ± 0.8	10	8.2 ± 0.9	10

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LEGEND

Data are displayed as mean \pm SEM

SD – Study Day

Pairwise comparisons of Heat Inactivated Particle Control vs. Air Control, Viable Stachybotrys Chartarum vs. Air Control, and Heat Inactivated Particle Control vs. Viable Stachybotrys Chartarum were performed using one-way ANOVA with post-hoc Tukey HSD test. No trend test was performed.

* Statistically significant pairwise difference from Air Control at $P \leq 0.05$

** Statistically significant pairwise difference from Air Control at $P \leq 0.01$

Statistically significant pairwise difference from Heat Inactivated Particle Control at $P \leq 0.05$

Statistically significant pairwise difference from Heat Inactivated Particle Control at $P \leq 0.01$

Air Control = air vehicle control

Heat Inactivated Particle Control = non-viable biological particle

Viable Stachybotrys chartarum = test article of Stachybotrys chartarum

**** END OF REPORT ****