

**Study Number:** C08022

**Test Type:** TOX

**Route:** Nose-Only Inhalation

**Species/Strain:** Mouse/B6C3F1/N

**Study Number:**

**Study Gender:**

**PWG Approval Date**

**I04G: Mean Body Weight Gain**

**Test Compound:** Aspergillus fumigatus mold

**CAS Number:** ASPERGILLUS

C08022

Both

See web page for date of PWG Approval

**Date Report Requested:** 05/11/2020

**Time Report Requested:** 07:42:09

**Lab:** Battelle

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Lab: Battelle

Males

Treatment Groups (Air)

Phase	Days	Air Control		Heat Inactivated Particle Control		Viable Aspergillus fumigatus	
		Wt Gain (g)	N	Wt Gain (g)	N	Wt Gain (g)	N
SD	1 - 8	0.9 ± 0.1	10	0.5 ± 0.2	10	0.4 ± 0.2	10
	8 - 15	0.3 ± 0.0	10	0.7 ± 0.1	10	0.6 ± 0.1 * ##	10
	15 - 22	0.9 ± 0.1	10	0.5 ± 0.2	10	0.6 ± 0.1	10
	22 - 30	1.2 ± 0.1	10	1.2 ± 0.1	10	0.8 ± 0.1	10
	30 - 36	0.2 ± 0.2	10	0.6 ± 0.2	10	0.4 ± 0.2	10
	36 - 43	0.3 ± 0.1	10	0.7 ± 0.2	10	0.2 ± 0.2	10
	43 - 50	0.6 ± 0.1	10	0.6 ± 0.2 *	10	0.1 ± 0.1 *	10
	50 - 57	0.2 ± 0.2	10	0.1 ± 0.1	10	0.3 ± 0.1	10
	57 - 64	1.0 ± 0.2	10	1.1 ± 0.1	10	1.0 ± 0.1	10
	64 - 71	0.6 ± 0.1	10	0.4 ± 0.1	10	0.1 ± 0.2 *	10
	71 - 78	0.7 ± 0.1	10	0.4 ± 0.1	10	0.7 ± 0.1	10
	78 - 84	0.5 ± 0.1	10	0.9 ± 0.2	10	-0.5 ± 0.9	10
	84 - 87	-1.4 ± 0.1	10	-1.3 ± 0.1	10	-0.2 ± 1.0	10
1 - 87	6.0 ± 0.6	10	6.3 ± 0.7	10	4.3 ± 0.6	10	

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Females

Treatment Groups (Air)

Phase	Days	Air Control		Heat Inactivated Particle Control		Viable Aspergillus fumigatus	
		Wt Gain (g)	N	Wt Gain (g)	N	Wt Gain (g)	N
SD	1 - 8	0.6 ± 0.1	10	0.4 ± 0.1	10	0.7 ± 0.5	10
	8 - 15	0.5 ± 0.2	10	0.4 ± 0.2	10	0.4 ± 0.4	10
	15 - 22	0.8 ± 0.2	10	0.5 ± 0.3	10	0.3 ± 0.5	10
	22 - 30	1.2 ± 0.6	10	0.6 ± 0.2	10	1.0 ± 0.2	10
	30 - 36	-0.3 ± 0.7	10	0.3 ± 0.2	10	0.1 ± 0.4	10
	36 - 43	0.3 ± 0.2	10	0.6 ± 0.1	10	0.5 ± 0.1	10
	43 - 50	0.8 ± 0.2	10	0.8 ± 0.2	10	0.6 ± 0.2	10
	50 - 57	0.9 ± 0.2	10	0.9 ± 0.3	10	0.6 ± 0.3	10
	57 - 64	0.7 ± 0.1	10	0.3 ± 0.2	10	0.8 ± 0.2	10
	64 - 71	0.5 ± 0.3	10	0.7 ± 0.2	10	0.3 ± 0.1	10
	71 - 78	0.8 ± 0.2	9	1.0 ± 0.4	10	0.7 ± 0.3	10
	78 - 84	0.8 ± 0.3	9	0.9 ± 0.5	10	0.4 ± 0.2	10
	84 - 87	-1.4 ± 0.1	9	-1.2 ± 0.3	9	-1.2 ± 0.2	10
1 - 87	6.2 ± 0.5	9	6.0 ± 0.5	9	5.0 ± 0.9	10	

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#### LEGEND

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Data are displayed as mean  $\pm$  SEM

SD – Study Day

Pairwise comparisons of Biological Particle Control vs. Air Control, Test Article vs. Air Control, and Test Article vs. Biological Particle Control were performed using one-way ANOVA with post-hoc Tukey HSD test. No trend test was performed.

Statistical significance for Air Control group indicates a significant pairwise test compared to the Viable Aspergillus fumigatus group.

Statistical significance for Heat Inactivated Particle Control group indicates a significant pairwise test compared to the Viable Aspergillus fumigatus group.

\* Statistically significant at  $P \leq 0.05$

\*\* Statistically significant 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  $P \leq 0.01$

**\*\* END OF REPORT \*\***