

**Study Number:** C04052

**Test Type:** TOX

**Route:** Nose-Only Inhalation

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

**PA06: Organ Weights Summary**

**Test Compound:** Stachybotrys chartarum

**CAS Number:** 67892-26-6

**Date Report Requested:** 11/15/2021

**Time Report Requested:** 14:30:45

**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)

	Air Control			Heat Inactivated Particle Control			Viable Stachybotrys chartarum		
Terminal Body Wt. (g)	33.3	± 0.6	(9)	33.4	± 0.9	(10)	33.9	± 0.8	(10)
R. Epididymis									
Absolute (g)	0.0439	± 0.0015	(9)	0.0428	± 0.0010	(10)	0.0452	± 0.0009	(10)
Relative (mg/g)	1.32	± 0.06	(9)	1.28	± 0.03	(10)	1.34	± 0.03	(10)
L. Epididymis									
Absolute (g)	0.0414	± 0.0010	(9)	0.0429	± 0.0007	(10)	0.0437	± 0.0019	(10)
Relative (mg/g)	1.25	± 0.04	(9)	1.29	± 0.03	(10)	1.29	± 0.06	(10)
Heart									
Absolute (g)	0.15	± 0.00	(9)	0.14	± 0.00	(10)	0.14	± 0.00	(10)
Relative (mg/g)	4.49	± 0.12	(9)	4.17	± 0.09	(10)	4.29	± 0.09	(10)
R. Kidney									
Absolute (g)	0.25	± 0.00	(9)	0.25	± 0.01	(10)	0.25	± 0.01	(10)
Relative (mg/g)	7.52	± 0.16	(9)	7.56	± 0.13	(10)	7.42	± 0.15	(10)
L. Kidney									
Absolute (g)	0.24	± 0.01	(9)	0.25	± 0.01	(10)	0.24	± 0.01	(10)
Relative (mg/g)	7.25	± 0.15	(9)	7.39	± 0.28	(10)	7.13	± 0.16	(10)
Liver									
Absolute (g)	1.44	± 0.04	(9)	1.39	± 0.03	(10)	1.47	± 0.04	(10)
Relative (mg/g)	43.27	± 0.55	(9)	41.56	± 0.52	(10)	43.41	± 0.53	(10) #
Lung									
Absolute (g)	0.18	± 0.01	(9)	0.19	± 0.01	(10)	0.20	± 0.01	(10)
Relative (mg/g)	5.50	± 0.25	(9)	5.72	± 0.17	(10)	5.80	± 0.20	(10)
R. Testis									
Absolute (g)	0.118	± 0.002	(9)	0.116	± 0.001	(10)	0.113	± 0.002	(10)
Relative (mg/g)	3.55	± 0.08	(9)	3.48	± 0.08	(10)	3.35	± 0.09	(10)
L. Testis									
Absolute (g)	0.115	± 0.002	(9)	0.113	± 0.002	(10)	0.113	± 0.001	(10)
Relative (mg/g)	3.46	± 0.06	(9)	3.40	± 0.11	(10)	3.36	± 0.06	(10)

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**Males**

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**Treatment Groups (Air)**

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	<b>Air Control</b>	<b>Heat Inactivated Particle Control</b>	<b>Viable Stachybotrys chartarum</b>
Thymus			
Absolute (g)	0.037 ± 0.002 (9)	0.039 ± 0.002 (10)	0.040 ± 0.003 (10)
Relative (mg/g)	1.13 ± 0.05 (9)	1.16 ± 0.05 (10)	1.17 ± 0.08 (10)

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**Females**

**Treatment Groups (Air)**

	Air Control			Heat Inactivated Particle Control			Viable Stachybotrys chartarum		
Terminal Body Wt. (g)	30.2	± 1.2	(10)	32.1	± 0.8	(10)	29.4	± 1.1	(10)
Heart									
Absolute (g)	0.11	± 0.00	(10)	0.11	± 0.00	(10)	0.11	± 0.00	(10)
Relative (mg/g)	3.78	± 0.11	(10)	3.53	± 0.06	(10)	3.84	± 0.15	(10)
R. Kidney									
Absolute (g)	0.14	± 0.00	(10)	0.14	± 0.00	(10)	0.14	± 0.00	(10)
Relative (mg/g)	4.65	± 0.15	(10)	4.44	± 0.12	(10)	4.80	± 0.16	(10)
L. Kidney									
Absolute (g)	0.13	± 0.00	(10)	0.13	± 0.00	(10)	0.13	± 0.00	(10)
Relative (mg/g)	4.38	± 0.15	(10)	4.16	± 0.10	(10)	4.55	± 0.11	(10)
Liver									
Absolute (g)	1.06	± 0.02	(10)	1.13	± 0.03	(10)	1.05	± 0.03	(10)
Relative (mg/g)	35.62	± 1.27	(10)	35.24	± 0.69	(10)	35.96	± 1.02	(10)
Lung									
Absolute (g)	0.18	± 0.01	(10)	0.17	± 0.01	(10)	0.24	± 0.01	(10) ** ##
Relative (mg/g)	6.07	± 0.36	(10)	5.31	± 0.29	(10)	8.17	± 0.40	(10) ** ##
R. Ovary									
Absolute (g)	0.0106	± 0.0009	(10)	0.0094	± 0.0005	(10)	0.0091	± 0.0005	(10)
Relative (mg/g)	0.36	± 0.03	(10)	0.29	± 0.01	(10)	0.31	± 0.02	(10)
L. Ovary									
Absolute (g)	0.0093	± 0.0005	(10)	0.0091	± 0.0003	(10)	0.0088	± 0.0004	(10)
Relative (mg/g)	0.31	± 0.02	(10)	0.29	± 0.01	(10)	0.30	± 0.02	(10)
Thymus									
Absolute (g)	0.048	± 0.002	(10)	0.044	± 0.002	(10)	0.048	± 0.003	(10)
Relative (mg/g)	1.62	± 0.08	(10)	1.37	± 0.06	(10)	1.62	± 0.08	(10)

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## LEGEND

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Data are displayed as mean  $\pm$  SEM (N) unless otherwise noted.

Relative organ weights (organ-weight-to-body-weight ratios) are given as mg organ weight/g body weight

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 \*\***