

## G04: In Vivo Micronucleus Assay Summary Data (Study Method: Flow Cytometry)

Study Number: C04052  
DTTID: 108-005-002-000-6

Test Article: Stachybotrys Chartarum  
CAS Number: 67892-26-6  
DTXSID: DTXSID901017344

Date: 05 Sep 2023  
Time: 4:42:26 PM

Study Type: Toxicology-3-month  
Species/Strain: Mouse/B6C3F1/N

Evaluation of micronuclei in peripheral blood from B6C3F1/N Male Mice for 13 weeks via inhalation

<i>Heat Inactivated Spores vs. Air Control</i>			
	MN-RET/1000	MN-ME/1000	% RET
Air Control	3.120 ± 0.12[5]	1.636 ± 0.04[5]	1.844 ± 0.06[5]
Heat Inactivated Spores	3.200 ± 0.37[5]	1.672 ± 0.05[5]	1.769 ± 0.09[5]
p-value	1.000	1.000	0.688

<i>Live Spores vs. Air Control</i>			
	MN-RET/1000	MN-ME/1000	% RET
Air Control	3.120 ± 0.12[5]	1.636 ± 0.04[5]	1.844 ± 0.06[5]
Live Spores	3.040 ± 0.12[5]	1.618 ± 0.08[5]	1.764 ± 0.08[5]
p-value	1.000	1.000	1.000

<i>Live Spores vs. Heat Inactivated Spores</i>			
	MN-RET/1000	MN-ME/1000	% RET
Heat Inactivated Spores	3.200 ± 0.37[5]	1.672 ± 0.05[5]	1.769 ± 0.09[5]
Live Spores	3.040 ± 0.12[5]	1.618 ± 0.08[5]	1.764 ± 0.08[5]
p-value	1.000	0.688	1.000

<i>Male Mice Trial Summary</i>	
	Summary
Result	Negative

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Evaluation of micronuclei in peripheral blood from B6C3F1/N Female Mice for 13 weeks via inhalation

<i>Heat Inactivated Spores vs. Air Control</i>			
	MN-RET/1000	MN-ME/1000	% RET
Air Control	1.820 ± 0.15[5]	1.027 ± 0.03[5]	1.900 ± 0.10[5]
Heat Inactivated Spores	2.120 ± 0.18[5]	1.084 ± 0.04[5]	2.031 ± 0.07[5]
p-value	0.384	0.867	1.000

<i>Live Spores vs. Air Control</i>			
	MN-RET/1000	MN-ME/1000	% RET
Air Control	1.820 ± 0.15[5]	1.027 ± 0.03[5]	1.900 ± 0.10[5]
Live Spores	1.960 ± 0.11[5]	1.004 ± 0.05[5]	1.954 ± 0.21[5]
p-value	1.000	1.000	1.000

<i>Live Spores vs. Heat Inactivated Spores</i>			
	MN-RET/1000	MN-ME/1000	% RET
Heat Inactivated Spores	2.120 ± 0.18[5]	1.084 ± 0.04[5]	2.031 ± 0.07[5]
Live Spores	1.960 ± 0.11[5]	1.004 ± 0.05[5]	1.954 ± 0.21[5]
p-value	1.000	0.609	1.000

<i>Female Mice Trial Summary</i>	
Summary	
Result	Negative

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### LEGEND

CAS Number = Chemical Abstract Service registry number

MN = micronucleated; RET = reticulocyte; ME = mature erythrocyte

Values given as Mean  $\pm$  Standard Error of the Mean (SEM) [Number of Test Subjects], p-value

MN-RET/1000 and MN-ME/1000: Pairwise comparison of treated groups vs the vehicle control group; values are significant at  $p \leq 0.025$  by one-sided Dunn's test; dose-related trend, significant at  $p \leq 0.025$  by one-sided Jonckheere's test

%RET: Pairwise comparison of treated groups vs the vehicle control group; values are significant at  $p \leq 0.025$  by two-sided Dunn's test; dose-related trend, significant at  $p \leq 0.025$  by two-sided Jonckheere's test

\*Statistically significant pairwise or trend test

\*\* END OF REPORT \*\*