

Study Number: C04052

Test Type: TOX

Route: Nose-Only Inhalation

Species/Strain: Mouse/B6C3F1/N

PA18: Incidence Rates of Non-Neoplastic Lesions by Anatomic Site with Average Severity Grades

Test Compound: Stachybotrys chartarum

CAS Number: 67892-26-6

Target Version: Actions To Be Taken

Date Report Requested: 02/01/2023

Time Report Requested: 13:30:27

Lab: Battelle

Study Number:

C04052

Study Gender:

Both

PWG Approval Date:

See web page for date of PWG Approval

Version:

v1.4.3

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Lab: Battelle

Male

Treatment Groups

| | Air Control | Heat Inactivated Particle Control | Viable Stachybotrys chartarum |
|-----------------------------------------|-------------|-----------------------------------|-------------------------------|
| Disposition Summary | | | |
| Animals Initially In Study | 10 | 10 | 10 |
| Censored | | | |
| Early Deaths | | | |
| Sacrificed, Moribund | 1 | | |
| Survivors | | | |
| Scheduled Sacrifice, Terminal | 9 | 10 | 10 |
| Number Animals Examined Microscopically | 10 | 10 | 10 |
| ALIMENTARY SYSTEM | | | |
| ESOPHAGUS | (10) | (10) | (10) |
| GALLBLADDER | (10) | (9) | (10) |
| INTESTINE, LARGE, CECUM | (10) | (10) | (10) |
| INTESTINE, LARGE, COLON | (10) | (10) | (10) |
| INTESTINE, LARGE, RECTUM | (10) | (10) | (10) |
| INTESTINE, SMALL, DUODENUM | (10) | (10) | (10) |
| INTESTINE, SMALL, ILEUM | (10) | (10) | (10) |
| INTESTINE, SMALL, JEJUNUM | (10) | (10) | (10) |
| LIVER | (10) | (10) | (10) |
| PANCREAS | (10) | (10) | (10) |
| SALIVARY GLAND | (10) | (10) | (10) |
| STOMACH, FORESTOMACH | (10) | (10) | (10) |
| STOMACH, GLANDULAR | (10) | (10) | (10) |
| CARDIOVASCULAR SYSTEM | | | |
| AORTA | (10) | (10) | (10) |
| HEART | (10) | (10) | (10) |

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| | Treatment Groups | | |
|----------------------------|------------------|-----------------------------------|-------------------------------|
| | Air Control | Heat Inactivated Particle Control | Viable Stachybotrys chartarum |
| <hr/> | | | |
| Male | | | |
| <hr/> | | | |
| ENDOCRINE SYSTEM | | | |
| ADRENAL GLAND | (10) | (10) | (10) |
| ISLETS, PANCREATIC | (10) | (10) | (10) |
| PARATHYROID GLAND | (9) | (9) | (9) |
| PITUITARY GLAND | (9) | (10) | (10) |
| THYROID GLAND | (10) | (10) | (10) |
| C-CELL; HYPERPLASIA | 1 [1.0] | | |
| <hr/> | | | |
| GENERAL BODY SYSTEM | | | |
| No Tissues/Organs Examined | | | |
| <hr/> | | | |
| GENITAL SYSTEM | | | |
| EPIDIDYMIS | (10) | (10) | (10) |
| PREPUTIAL GLAND | (10) | (10) | (10) |
| INFLAMMATION; SUPPURATIVE | 1 [4.0] | | |
| PROSTATE | (10) | (10) | (10) |
| SEMINAL VESICLE | (10) | (10) | (10) |
| TESTES | (10) | (10) | (10) |
| <hr/> | | | |
| HEMATOLYMPHOID SYSTEM | | | |
| LYMPH NODE, BRONCHIAL | (10) | (10) | (8) |
| LYMPH NODE, MANDIBULAR | (10) | (9) | (9) |
| LYMPH NODE, MEDIASTINAL | (5) | (4) | (7) |
| LYMPH NODE, MESENTERIC | (10) | (10) | (10) |
| SPLEEN | (10) | (10) | (10) |
| THYMUS | (10) | (10) | (10) |
| ECTOPIC TISSUE | 1 | 2 | |
| <hr/> | | | |
| INTEGUMENTARY SYSTEM | | | |
| SKIN | (10) | (10) | (10) |
| <hr/> | | | |

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Lab: Battelle

| | Male | | |
|--------------------------------------------|------------------|-----------------------------------|-------------------------------|
| | Treatment Groups | | |
| | Air Control | Heat Inactivated Particle Control | Viable Stachybotrys chartarum |
| MUSCULOSKELETAL SYSTEM | | | |
| BONE, FEMUR | (10) | (9) | (10) |
| NERVOUS SYSTEM | | | |
| BRAIN | (10) | (10) | (10) |
| RESPIRATORY SYSTEM | | | |
| CAVITY, NASAL | (10) | (9) | (10) |
| LARYNX | (10) | (10) | (10) |
| EPIGLOTTIS; METAPLASIA; SQUAMOUS | | | 4 [1.0] |
| LUNG | (10) | (10) | (10) |
| FUNGUS | | 1 | 9 |
| BALT; HYPERPLASIA; LYMPHOCYTE | | | 9 [1.0] |
| BRONCHIOLE; EPITHELIUM; HYPERPLASIA | | | 10 [1.1] |
| ARTERY; HYPERTROPHY; MEDIAL | | | 10 [2.4] |
| INFILTRATION CELLULAR; HISTIOCYTE | | | 10 [1.8] |
| PERIVASCULAR; INFLAMMATION; CHRONIC-ACTIVE | | | 10 [2.6] |
| METAPLASIA; GOBLET CELL | | | 10 [1.8] |
| ARTERY; THROMBUS | | | 3 |
| TRACHEA | (10) | (10) | (10) |
| SPECIAL SENSES SYSTEM | | | |
| EYE | (10) | (10) | (10) |
| HARDERIAN GLAND | (10) | (10) | (10) |
| URINARY SYSTEM | | | |
| KIDNEY | (10) | (10) | (10) |
| CHRONIC PROGRESSIVE NEPHROPATHY | | | 1 [1.0] |
| URINARY BLADDER | (10) | (10) | (10) |

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 CAS Number: 67892-26-6
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Date Report Requested: 02/01/2023
 Time Report Requested: 13:30:27
 Lab: Battelle

Female

| | Treatment Groups | | |
|---------------------------------------------------|------------------|-----------------------------------|-------------------------------|
| | Air Control | Heat Inactivated Particle Control | Viable Stachybotrys chartarum |
| Disposition Summary | | | |
| Animals Initially In Study | 10 | 10 | 10 |
| Censored | | | |
| Early Deaths | | | |
| Survivors | | | |
| Scheduled Sacrifice, Terminal | 10 | 10 | 10 |
| Number Animals Examined Microscopically | 10 | 10 | 10 |
| ALIMENTARY SYSTEM | | | |
| ESOPHAGUS | (10) | (10) | (10) |
| GALLBLADDER | (10) | (10) | (10) |
| INTESTINE, LARGE, CECUM | (10) | (10) | (10) |
| INTESTINE, LARGE, COLON | (10) | (10) | (10) |
| INTESTINE, LARGE, RECTUM | (10) | (10) | (10) |
| INTESTINE, SMALL, DUODENUM | (10) | (10) | (10) |
| INTESTINE, SMALL, ILEUM | (10) | (10) | (10) |
| INTESTINE, SMALL, JEJUNUM | (10) | (10) | (10) |
| LIVER | (10) | (10) | (10) |
| INFLAMMATION; FOCAL | 1 [2.0] | | |
| PANCREAS | (10) | (10) | (10) |
| SALIVARY GLAND | (10) | (10) | (10) |
| SUBMANDIBULAR; INFILTRATION, CELLULAR; LYMPHOCYTE | 1 [1.0] | | |
| STOMACH, FORESTOMACH | (10) | (10) | (10) |
| STOMACH, GLANDULAR | (10) | (10) | (10) |
| CARDIOVASCULAR SYSTEM | | | |
| AORTA | (10) | (10) | (10) |
| HEART | (10) | (10) | (10) |

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Lab: Battelle

Female

Treatment Groups

| | Air Control | Heat Inactivated Particle Control | Viable Stachybotrys chartarum |
|----------------------------|-------------|-----------------------------------|-------------------------------|
| ENDOCRINE SYSTEM | | | |
| ADRENAL GLAND | (10) | (10) | (10) |
| ISLETS, PANCREATIC | (10) | (10) | (10) |
| PARATHYROID GLAND | (10) | (9) | (10) |
| ECTOPIC TISSUE | 1 | | 1 |
| PITUITARY GLAND | (10) | (10) | (10) |
| THYROID GLAND | (10) | (10) | (10) |
| C-CELL; HYPERPLASIA | 1 [1.0] | | 1 [1.0] |
| GENERAL BODY SYSTEM | | | |
| No Tissues/Organs Examined | | | |
| GENITAL SYSTEM | | | |
| CLITORAL GLAND | (10) | (10) | (10) |
| OVARY | (10) | (10) | (10) |
| UTERUS | (10) | (10) | (10) |
| HEMATOLYMPHOID SYSTEM | | | |
| LYMPH NODE, BRONCHIAL | (10) | (8) | (8) |
| FUNGUS | | | 2 |
| HYPERPLASIA; LYMPHOCYTE | | | 2 [1.0] |
| LYMPH NODE, MANDIBULAR | (10) | (10) | (9) |
| LYMPH NODE, MEDIASTINAL | (3) | (8) | (8) |
| LYMPH NODE, MESENTERIC | (10) | (10) | (10) |
| SPLEEN | (10) | (10) | (10) |
| THYMUS | (10) | (10) | (10) |
| CYST; MULTIPLE | 3 | 2 | |
| CYST | 2 | 4 | 2 |

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Female

| | Treatment Groups | | |
|--------------------------------------------|------------------|-----------------------------------|-------------------------------|
| | Air Control | Heat Inactivated Particle Control | Viable Stachybotrys chartarum |
| INTEGUMENTARY SYSTEM | | | |
| MAMMARY GLAND | (10) | (10) | (10) |
| SKIN | (10) | (10) | (10) |
| MUSCULOSKELETAL SYSTEM | | | |
| BONE, FEMUR | (10) | (10) | (10) |
| NERVOUS SYSTEM | | | |
| BRAIN | (10) | (10) | (10) |
| RESPIRATORY SYSTEM | | | |
| CAVITY, NASAL | (10) | (10) | (10) |
| LARYNX | (10) | (9) | (10) |
| EPIGLOTTIS; METAPLASIA; SQUAMOUS | | 3 [1.0] | 7 [1.0] |
| LUNG | (10) | (10) | (10) |
| FUNGUS | | 9 | 10 |
| BALT; HYPERPLASIA; LYMPHOCYTE | | | 9 [1.0] |
| BRONCHIOLE; EPITHELIUM; HYPERPLASIA | | | 10 [1.0] |
| ARTERY; HYPERTROPHY; MEDIAL | | | 10 [2.9] |
| INFILTRATION CELLULAR; HISTIOCYTE | | | 10 [2.0] |
| PERIVASCULAR; INFLAMMATION; CHRONIC-ACTIVE | | | 10 [2.7] |
| METAPLASIA; GOBLET CELL | | | 10 [2.5] |
| ARTERY; THROMBUS | | | 1 |
| TRACHEA | (10) | (10) | (10) |
| SPECIAL SENSES SYSTEM | | | |
| EYE | (10) | (10) | (10) |
| HARDERIAN GLAND | (10) | (10) | (10) |

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|---------------------------------|--------------------|------------------------------------------|--------------------------------------|
| URINARY SYSTEM | | | |
| KIDNEY | (10) | (10) | (10) |
| CHRONIC PROGRESSIVE NEPHROPATHY | | | 1 [1.0] |
| URINARY BLADDER | (10) | (10) | (10) |

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LEGEND

Censored animals are animals not in one of the other disposition categories that are removed prior to the end of the study. The censored animals are included in the pathology data if microscopic examination of tissues was performed.

Number of animals examined given for each tissue. If none of the animals examined have the specific lesion then there is a blank for that dose group for that specific lesion. Mean severity grade denoted by 1 - minimal, 2 - mild, 3 - moderate, 4 - marked.

Number of animals with observation reported with mean severity grade in square brackets

Air Control = air vehicle control

Heat Inactivated Particle Control = non-viable biological particle

Viable Stachybotrys chartarum = test article of Stachybotrys chartarum

**** END OF REPORT ****