

Study Number: C08022

Test Type: TOX

Route: Nose-Only Inhalation

Species/Strain: Mouse/B6C3F1/N

Study Number:

Study Gender:

PWG Approval Date

PA46s: Summary of Gross Pathology

Test Compound: Aspergillus fumigatus mold

CAS Number: ASPERGILLUS

C08022

Both

See web page for date of PWG Approval

Date Report Requested: 05/04/2020

Time Report Requested: 14:41:03

Lab: Battelle

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Date Report Requested: 05/04/2020

Time Report Requested: 14:41:03

Lab: Battelle

Male

Treatment Groups

	Air Control	Heat Inactivated Particle Control	Viable Aspergillus fumigatus
Disposition Summary			
Animals Initially In Study	10	10	10
Early Deaths			
Survivors			
Scheduled sacrifice, terminal (SD 87)	10	10	10
Number of Animals Examined	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)
MESENTERY	(10)	(10)	(10)
PANCREAS	(10)	(10)	(10)
PHARYNX	(10)	(10)	(10)
SALIVARY GLANDS	(10)	(10)	(10)
STOMACH, FORESTOMACH	(10)	(10)	(10)
STOMACH, GLANDULAR	(10)	(10)	(10)
TONGUE	(10)	(10)	(10)
TOOTH	(10)	(10)	(10)
CARDIOVASCULAR SYSTEM			
BLOOD VESSEL	(10)	(10)	(10)
HEART	(10)	(10)	(10)

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Male

Treatment Groups

	Air Control	Heat Inactivated Particle Control	Viable Aspergillus fumigatus
ENDOCRINE SYSTEM			
ADRENAL GLAND	(10)	(10)	(10)
PARATHYROID GLAND	(10)	(10)	(10)
PITUITARY GLAND	(10)	(10)	(10)
THYROID GLAND	(10)	(10)	(10)
GENERAL BODY SYSTEM			
ABDOMEN	(10)	(10)	(10)
CARCASS	(10)	(10)	(10)
GENITAL SYSTEM			
COAGULATING GLAND	(10)	(10)	(10)
EPIDIDYMIS, LEFT	(10)	(10)	(10)
EPIDIDYMIS, RIGHT	(10)	(10)	(10)
PENIS	(10)	(10)	(10)
PREPUTIAL GLAND	(10)	(10)	(10)
PROSTATE	(10)	(10)	(10)
SEMINAL VESICLE	(10)	(10)	(10)
TESTIS, LEFT	(10)	(10)	(10)
TESTIS, RIGHT	(10)	(10)	(10)

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Male

Treatment Groups

	Air Control	Heat Inactivated Particle Control	Viable Aspergillus fumigatus
HEMATOLYMPHOID SYSTEM			
BLOOD	(10)	(10)	(10)
BONE MARROW	(10)	(10)	(10)
LYMPH NODE	(10)	(10)	(10)
LYMPH NODE, BRONCHIAL	(10)	(10)	(10)
LYMPH NODE, MANDIBULAR	(10)	(10)	(10)
LYMPH NODE, MEDIASTINAL	(10)	(10)	(10)
LYMPH NODE, MESENTERIC	(10)	(10)	(10)
SPLEEN	(10)	(10)	(10)
THYMUS	(10)	(10)	(10)
INTEGUMENTARY SYSTEM			
MAMMARY GLAND	(10)	(10)	(10)
SKIN	(10)	(10)	(10)
MUSCULOSKELETAL SYSTEM			
BONE	(10)	(10)	(10)
SKELETAL MUSCLE	(10)	(10)	(10)
NERVOUS SYSTEM			
BRAIN	(10)	(10)	(10)
NERVE, SCIATIC	(10)	(10)	(10)
NERVE, TRIGEMINAL	(10)	(10)	(10)
SPINAL CORD	(10)	(10)	(10)

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Male

Treatment Groups

Air Control

Heat Inactivated Particle
Control

Viable Aspergillus
fumigatus

RESPIRATORY SYSTEM

LARYNX	(10)	(10)	(10)
LUNG	(10)	(10)	(10)
NOSE	(10)	(10)	(10)
THORAX	(10)	(10)	(10)
TRACHEA	(10)	(10)	(10)

SPECIAL SENSES SYSTEM

EYE	(10)	(10)	(10)
HARDERIAN GLAND	(10)	(10)	(10)
LACRIMAL GLAND	(10)	(10)	(10)
ZYMBALS GLAND	(10)	(10)	(10)

URINARY SYSTEM

KIDNEY, LEFT	(10)	(10)	(10)
KIDNEY, RIGHT	(10)	(10)	(10)
URETER	(10)	(10)	(10)
URINARY BLADDER	(10)	(10)	(10)

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Female

Treatment Groups

	Air Control	Heat Inactivated Particle Control	Viable Aspergillus fumigatus
Disposition Summary			
Animals Initially In Study	10	10	10
Early Deaths			
Found Dead	1	1	
Survivors			
Scheduled sacrifice, terminal (SD 87)	9	9	10
Number of Animals Examined	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)
MESENTERY	(10)	(10)	(10)
PANCREAS	(10)	(10)	(10)
PHARYNX	(10)	(10)	(10)
SALIVARY GLANDS	(10)	(10)	(10)
STOMACH, FORESTOMACH	(10)	(10)	(10)
STOMACH, GLANDULAR	(10)	(10)	(10)
TONGUE	(10)	(10)	(10)
TOOTH	(10)	(10)	(10)

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Female

Treatment Groups

	Air Control	Heat Inactivated Particle Control	Viable Aspergillus fumigatus
CARDIOVASCULAR SYSTEM			
BLOOD VESSEL	(10)	(10)	(10)
HEART	(10)	(10)	(10)
ENDOCRINE SYSTEM			
ADRENAL GLAND	(10)	(10)	(10)
PARATHYROID GLAND	(10)	(10)	(10)
PITUITARY GLAND	(10)	(10)	(10)
THYROID GLAND	(10)	(10)	(10)
GENERAL BODY SYSTEM			
ABDOMEN	(10)	(10)	(10)
CARCASS	(10)	(10)	(10)
GENITAL SYSTEM			
CLITORAL GLAND	(10)	(10)	(10)
OVARY, LEFT	(10)	(10)	(10)
OVARY, RIGHT	(10)	(10)	(10)
OVIDUCT	(10)	(10)	(10)
UTERUS	(10)	(10)	(10)
VAGINA	(10)	(10)	(10)

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Female

	Treatment Groups		
	Air Control	Heat Inactivated Particle Control	Viable Aspergillus fumigatus
HEMATOLYMPHOID SYSTEM			
BLOOD	(10)	(10)	(10)
BONE MARROW	(10)	(10)	(10)
LYMPH NODE	(10)	(10)	(10)
LYMPH NODE, BRONCHIAL ENLARGED; GRAY, TGL1	(10)	(10)	(10) 5 (50.0%) * #
LYMPH NODE, MANDIBULAR	(10)	(10)	(10)
LYMPH NODE, MEDIASTINAL	(10)	(10)	(10)
LYMPH NODE, MESENTERIC	(10)	(10)	(10)
SPLEEN	(10)	(10)	(10)
THYMUS	(10)	(10)	(10)
INTEGUMENTARY SYSTEM			
MAMMARY GLAND	(10)	(10)	(10)
SKIN	(10)	(10)	(10)
MUSCULOSKELETAL SYSTEM			
BONE	(10)	(10)	(10)
SKELETAL MUSCLE	(10)	(10)	(10)
NERVOUS SYSTEM			
BRAIN	(10)	(10)	(10)
NERVE, SCIATIC	(10)	(10)	(10)
NERVE, TRIGEMINAL	(10)	(10)	(10)
SPINAL CORD	(10)	(10)	(10)

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Treatment Groups

	Air Control	Heat Inactivated Particle Control	Viable Aspergillus fumigatus
RESPIRATORY SYSTEM			
LARYNX	(10)	(10)	(10)
LUNG	(10)	(10)	(10)
DISCOLORATION; DIFFUSE, RED	1 (10.0%)	1 (10.0%)	
NOSE	(10)	(10)	(10)
THORAX	(10)	(10)	(10)
TRACHEA	(10)	(10)	(10)
SPECIAL SENSES SYSTEM			
EYE	(10)	(10)	(10)
HARDERIAN GLAND	(10)	(10)	(10)
LACRIMAL GLAND	(10)	(10)	(10)
ZYMBALS GLAND	(10)	(10)	(10)
URINARY SYSTEM			
KIDNEY, LEFT	(10)	(10)	(10)
KIDNEY, RIGHT	(10)	(10)	(10)
URETER	(10)	(10)	(10)
URINARY BLADDER	(10)	(10)	(10)

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LEGEND

Number of animals examined for each tissue shown in parentheses. If none of the animals examined have the specific lesion then there is a blank for that dose group for that specific lesion. The exception to this is if statistical significance is found for a lesion and the control group has no animals with the lesion then a 0 is included for the control group on the table for that lesion.

Number of animals with observation reported with percent incidence in parentheses

Pairwise significance for all comparisons are determined using one-sided Fisher's exact tests.

* 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 $P \leq 0.01$

Phase day range of terminal sacrifice shown in parentheses in disposition summary

**** END OF REPORT ****