

**Study Number:** C08022

**Test Type:** TOX

**Route:** Nose-Only Inhalation

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

**C Number:**

C08022

**Study Gender:**

Both

**PWG Approval Date**

See web page for date of PWG Approval

**PA14: Individual Animal Pathology Data**

**Test Compound:** Aspergillus fumigatus mold

**CAS Number:** ASPERGILLUS

**Date Report Requested:** 11/25/2019

**Time Report Requested:** 13:20:19

**Lab:** Battelle

**Study Number:** C08022  
**Test Type:** TOX  
**Route:** Nose-Only Inhalation  
**Species/Strain:** Mouse/B6C3F1/N

**PA14: Individual Animal Pathology Data**  
**Test Compound:** Aspergillus fumigatus mold  
**CAS Number:** ASPERGILLUS

**Date Report Requested:** 11/25/2019  
**Time Report Requested:** 13:20:19  
**Lab:** Battelle

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<b>ANIMAL ID:</b> 1	<b>TRT#:</b> 1	<b>DOSE:</b> Air Control	<b>SEX:</b> Male	<b>REMOVAL DAY:</b> SD87
			<b>DISP:</b> Scheduled Removal (Terminal)	<b>HISTO:</b> 17871

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**TISSUE STATUS**

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**No Visible Lesions**

ADRENAL GLAND	AORTA	BONE MARROW	BONE, FEMUR
BRAIN	EPIDIDYMIS	ESOPHAGUS	EYE
GALLBLADDER	HARDERIAN GLAND	HEART	INTESTINE, LARGE, CECUM
INTESTINE, LARGE, COLON	INTESTINE, LARGE, RECTUM	INTESTINE, SMALL, DUODENUM	INTESTINE, SMALL, ILEUM
INTESTINE, SMALL, JEJUNUM	ISLETS, PANCREATIC	KIDNEY	LARYNX
LIVER	LUNG	LYMPH NODE, BRONCHIAL	LYMPH NODE, MANDIBULAR
LYMPH NODE, MESENTERIC	NOSE	PANCREAS	PARATHYROID GLAND
PITUITARY GLAND	PREPUTIAL GLAND	PROSTATE	SALIVARY GLANDS
SEMINAL VESICLE	SKIN	SPLEEN	STOMACH, FORESTOMACH
TESTES	THYMUS	THYROID GLAND	TRACHEA
URINARY BLADDER			

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**MISSING**

LYMPH NODE, MEDIASTINAL	MAMMARY GLAND
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**OBSERVATIONS**

AORTA

Tissue Comment: GMS staining negative for fungus

GALLBLADDER

Tissue Comment: GMS staining negative for fungus

HEART

Tissue Comment: GMS staining negative for fungus

LIVER

Tissue Comment: GMS staining negative for fungus

LUNG

Tissue Comment: GMS staining negative for fungus

LYMPH NODE, BRONCHIAL

Tissue Comment: GMS staining negative for fungus

SPLEEN

Tissue Comment: GMS staining negative for fungus

STOMACH, GLANDULAR

GLANDS

CYST

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**Study Number:** C08022  
**Test Type:** TOX  
**Route:** Nose-Only Inhalation  
**Species/Strain:** Mouse/B6C3F1/N

**PA14: Individual Animal Pathology Data**  
**Test Compound:** Aspergillus fumigatus mold  
**CAS Number:** ASPERGILLUS

**Date Report Requested:** 11/25/2019  
**Time Report Requested:** 13:20:19  
**Lab:** Battelle

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<b>ANIMAL ID:</b> 2	<b>TRT#:</b> 1	<b>DOSE:</b> Air Control	<b>SEX:</b> Male	<b>REMOVAL DAY:</b> SD87
			<b>DISP:</b> Scheduled Removal (Terminal)	<b>HISTO:</b> 17872

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**TISSUE STATUS**

**No Visible Lesions**

ADRENAL GLAND	AORTA	BONE MARROW	BONE, FEMUR
BRAIN	EPIDIDYMIS	ESOPHAGUS	EYE
GALLBLADDER	HARDERIAN GLAND	HEART	INTESTINE, LARGE, CECUM
INTESTINE, LARGE, COLON	INTESTINE, LARGE, RECTUM	INTESTINE, SMALL, DUODENUM	INTESTINE, SMALL, ILEUM
INTESTINE, SMALL, JEJUNUM	ISLETS, PANCREATIC	KIDNEY	LUNG
LYMPH NODE, BRONCHIAL	LYMPH NODE, MANDIBULAR	LYMPH NODE, MESENTERIC	NOSE
PANCREAS	PARATHYROID GLAND	PITUITARY GLAND	PREPUTIAL GLAND
PROSTATE	SALIVARY GLANDS	SEMINAL VESICLE	SKIN
SPLEEN	STOMACH, FORESTOMACH	STOMACH, GLANDULAR	TESTES
THYMUS	THYROID GLAND	TRACHEA	URINARY BLADDER

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**MISSING**

LYMPH NODE, MEDIASTINAL	MAMMARY GLAND
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**OBSERVATIONS**

AORTA			
Tissue Comment: GMS staining negative for fungus			
GALLBLADDER			
Tissue Comment: GMS staining negative for fungus			
HEART			
Tissue Comment: GMS staining negative for fungus			
LARYNX	EPIGLOTTIS	METAPLASIA	SQUAMOUS, MINIMAL
LIVER		INFLAMMATION	FOCAL, MINIMAL
LUNG			
Tissue Comment: GMS staining negative for fungus			
LYMPH NODE, BRONCHIAL			
Tissue Comment: No lymph node in the section stained with GMS			
SPLEEN			
Tissue Comment: GMS staining negative for fungus			

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**Study Number:** C08022  
**Test Type:** TOX  
**Route:** Nose-Only Inhalation  
**Species/Strain:** Mouse/B6C3F1/N

**PA14: Individual Animal Pathology Data**  
**Test Compound:** Aspergillus fumigatus mold  
**CAS Number:** ASPERGILLUS

**Date Report Requested:** 11/25/2019  
**Time Report Requested:** 13:20:19  
**Lab:** Battelle

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<b>ANIMAL ID:</b> 3	<b>TRT#:</b> 1	<b>DOSE:</b> Air Control	<b>SEX:</b> Male	<b>REMOVAL DAY:</b> SD87
			<b>DISP:</b> Scheduled Removal (Terminal)	<b>HISTO:</b> 17873

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**TISSUE STATUS**

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**No Visible Lesions**

ADRENAL GLAND	AORTA	BONE MARROW	BONE, FEMUR
BRAIN	EPIDIDYMIS	ESOPHAGUS	EYE
GALLBLADDER	HARDERIAN GLAND	HEART	INTESTINE, LARGE, CECUM
INTESTINE, LARGE, COLON	INTESTINE, LARGE, RECTUM	INTESTINE, SMALL, DUODENUM	INTESTINE, SMALL, ILEUM
INTESTINE, SMALL, JEJUNUM	ISLETS, PANCREATIC	KIDNEY	LARYNX
LIVER	LUNG	LYMPH NODE, BRONCHIAL	LYMPH NODE, MANDIBULAR
LYMPH NODE, MESENTERIC	NOSE	PANCREAS	PARATHYROID GLAND
PITUITARY GLAND	PREPUTIAL GLAND	PROSTATE	SALIVARY GLANDS
SEMINAL VESICLE	SKIN	SPLEEN	STOMACH, FORESTOMACH
STOMACH, GLANDULAR	TESTES	THYMUS	THYROID GLAND
TRACHEA	URINARY BLADDER		

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**MISSING**

LYMPH NODE, MEDIASTINAL	MAMMARY GLAND
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**OBSERVATIONS**

AORTA  
Tissue Comment: GMS staining negative for fungus

GALLBLADDER  
Tissue Comment: GMS staining negative for fungus

HEART  
Tissue Comment: GMS staining negative for fungus

LIVER  
Tissue Comment: GMS staining negative for fungus

LUNG  
Tissue Comment: GMS staining negative for fungus

LYMPH NODE, BRONCHIAL  
Tissue Comment: No lymph node on section stained with GMS

SPLEEN  
Tissue Comment: GMS staining negative for fungus

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**Study Number:** C08022  
**Test Type:** TOX  
**Route:** Nose-Only Inhalation  
**Species/Strain:** Mouse/B6C3F1/N

**PA14: Individual Animal Pathology Data**  
**Test Compound:** Aspergillus fumigatus mold  
**CAS Number:** ASPERGILLUS

**Date Report Requested:** 11/25/2019  
**Time Report Requested:** 13:20:19  
**Lab:** Battelle

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<b>ANIMAL ID:</b> 4	<b>TRT#:</b> 1	<b>DOSE:</b> Air Control	<b>SEX:</b> Male	<b>REMOVAL DAY:</b> SD87
			<b>DISP:</b> Scheduled Removal (Terminal)	<b>HISTO:</b> 17874

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**TISSUE STATUS**

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**No Visible Lesions**

ADRENAL GLAND	AORTA	BONE MARROW	BONE, FEMUR
BRAIN	EPIDIDYMIS	ESOPHAGUS	EYE
GALLBLADDER	HARDERIAN GLAND	HEART	INTESTINE, LARGE, CECUM
INTESTINE, LARGE, COLON	INTESTINE, LARGE, RECTUM	INTESTINE, SMALL, DUODENUM	INTESTINE, SMALL, ILEUM
INTESTINE, SMALL, JEJUNUM	ISLETS, PANCREATIC	LARYNX	LIVER
LUNG	LYMPH NODE, MANDIBULAR	LYMPH NODE, MESENTERIC	NOSE
PANCREAS	PARATHYROID GLAND	PITUITARY GLAND	PREPUTIAL GLAND
PROSTATE	SALIVARY GLANDS	SEMINAL VESICLE	SKIN
SPLEEN	STOMACH, FORESTOMACH	STOMACH, GLANDULAR	TESTES
THYMUS	THYROID GLAND	TRACHEA	URINARY BLADDER

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**MISSING**

LYMPH NODE, BRONCHIAL	LYMPH NODE, MEDIASTINAL	MAMMARY GLAND
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**OBSERVATIONS**

AORTA Tissue Comment: GMS staining negative for fungus		
GALLBLADDER Tissue Comment: GMS staining negative for fungus		
HEART Tissue Comment: GMS staining negative for fungus		
KIDNEY	NEPHROPATHY	CHRONIC PROGRESSIVE, MINIMAL
LIVER Tissue Comment: GMS staining negative for fungus		
LUNG Tissue Comment: GMS staining negative for fungus		
LYMPH NODE, BRONCHIAL Tissue Comment: No section of lymph node on GMS stained section		
SPLEEN Tissue Comment: GMS staining negative for fungus		

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**Study Number:** C08022  
**Test Type:** TOX  
**Route:** Nose-Only Inhalation  
**Species/Strain:** Mouse/B6C3F1/N

**PA14: Individual Animal Pathology Data**  
**Test Compound:** Aspergillus fumigatus mold  
**CAS Number:** ASPERGILLUS

**Date Report Requested:** 11/25/2019  
**Time Report Requested:** 13:20:19  
**Lab:** Battelle

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<b>ANIMAL ID:</b> 5	<b>TRT#:</b> 1	<b>DOSE:</b> Air Control	<b>SEX:</b> Male	<b>REMOVAL DAY:</b> SD87
			<b>DISP:</b> Scheduled Removal (Terminal)	<b>HISTO:</b> 17875

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**TISSUE STATUS**

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**No Visible Lesions**

ADRENAL GLAND	AORTA	BONE MARROW	BONE, FEMUR
BRAIN	EPIDIDYMIS	ESOPHAGUS	EYE
GALLBLADDER	HARDERIAN GLAND	HEART	INTESTINE, LARGE, CECUM
INTESTINE, LARGE, COLON	INTESTINE, LARGE, RECTUM	INTESTINE, SMALL, DUODENUM	INTESTINE, SMALL, ILEUM
INTESTINE, SMALL, JEJUNUM	ISLETS, PANCREATIC	KIDNEY	LARYNX
LIVER	LUNG	LYMPH NODE, BRONCHIAL	LYMPH NODE, MANDIBULAR
LYMPH NODE, MESENTERIC	NOSE	PANCREAS	PITUITARY GLAND
PREPUTIAL GLAND	PROSTATE	SALIVARY GLANDS	SEMINAL VESICLE
SKIN	SPLEEN	STOMACH, FORESTOMACH	STOMACH, GLANDULAR
TESTES	THYMUS	THYROID GLAND	TRACHEA
URINARY BLADDER			

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**MISSING**

LYMPH NODE, MEDIASTINAL	MAMMARY GLAND	PARATHYROID GLAND
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**OBSERVATIONS**

AORTA  
Tissue Comment: GMS staining negative for fungus

GALLBLADDER  
Tissue Comment: GMS staining negative for fungus

HEART  
Tissue Comment: GMS staining negative for fungus

LIVER  
Tissue Comment: GMS staining negative for fungus

LUNG  
Tissue Comment: GMS staining negative for fungus

LYMPH NODE, BRONCHIAL  
Tissue Comment: GMS staining negative for fungus

SPLEEN  
Tissue Comment: GMS staining negative for fungus

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**Study Number:** C08022  
**Test Type:** TOX  
**Route:** Nose-Only Inhalation  
**Species/Strain:** Mouse/B6C3F1/N

**PA14: Individual Animal Pathology Data**  
**Test Compound:** Aspergillus fumigatus mold  
**CAS Number:** ASPERGILLUS

**Date Report Requested:** 11/25/2019  
**Time Report Requested:** 13:20:19  
**Lab:** Battelle

**ANIMAL ID:** 6                      **TRT#:** 1                      **DOSE:** Air Control                      **SEX:** Male                      **REMOVAL DAY:** SD87  
**DISP:** Scheduled Removal (Terminal)                      **HISTO:** 17876

**TISSUE STATUS**

**No Visible Lesions**

ADRENAL GLAND	AORTA	BONE MARROW	BONE, FEMUR
BRAIN	EPIDIDYMIS	ESOPHAGUS	EYE
GALLBLADDER	HARDERIAN GLAND	HEART	INTESTINE, LARGE, CECUM
INTESTINE, LARGE, COLON	INTESTINE, LARGE, RECTUM	INTESTINE, SMALL, DUODENUM	INTESTINE, SMALL, ILEUM
INTESTINE, SMALL, JEJUNUM	ISLETS, PANCREATIC	LUNG	LYMPH NODE, BRONCHIAL
LYMPH NODE, MANDIBULAR	LYMPH NODE, MESENTERIC	NOSE	PANCREAS
PITUITARY GLAND	PREPUTIAL GLAND	PROSTATE	SALIVARY GLANDS
SEMINAL VESICLE	SKIN	SPLEEN	STOMACH, FORESTOMACH
TESTES	THYMUS	THYROID GLAND	TRACHEA
URINARY BLADDER			

**MISSING**

LYMPH NODE, MEDIASTINAL	MAMMARY GLAND	PARATHYROID GLAND
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**OBSERVATIONS**

AORTA			
Tissue Comment: GMS staining negative for fungus			
GALLBLADDER			
Tissue Comment: GMS staining negative for fungus			
HEART			
Tissue Comment: GMS staining negative for fungus			
KIDNEY		NEPHROPATHY	CHRONIC PROGRESSIVE, MINIMAL
LARYNX	EPIGLOTTIS	METAPLASIA	SQUAMOUS, MINIMAL
LIVER		INFLAMMATION	FOCAL, MINIMAL
LUNG			
Tissue Comment: GMS staining negative for fungus			
LYMPH NODE, BRONCHIAL			
Tissue Comment: GMS staining negative for fungus			
SPLEEN			
Tissue Comment: GMS staining negative for fungus			
STOMACH, GLANDULAR		MINERAL	MINIMAL

**Study Number:** C08022  
**Test Type:** TOX  
**Route:** Nose-Only Inhalation  
**Species/Strain:** Mouse/B6C3F1/N

**PA14: Individual Animal Pathology Data**  
**Test Compound:** Aspergillus fumigatus mold  
**CAS Number:** ASPERGILLUS

**Date Report Requested:** 11/25/2019  
**Time Report Requested:** 13:20:19  
**Lab:** Battelle

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<b>ANIMAL ID:</b> 7	<b>TRT#:</b> 1	<b>DOSE:</b> Air Control	<b>SEX:</b> Male	<b>REMOVAL DAY:</b> SD87
			<b>DISP:</b> Scheduled Removal (Terminal)	<b>HISTO:</b> 17877

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**TISSUE STATUS**

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**No Visible Lesions**

ADRENAL GLAND	AORTA	BONE MARROW	BONE, FEMUR
BRAIN	EPIDIDYMIS	ESOPHAGUS	EYE
GALLBLADDER	HARDERIAN GLAND	HEART	INTESTINE, LARGE, CECUM
INTESTINE, LARGE, COLON	INTESTINE, LARGE, RECTUM	INTESTINE, SMALL, DUODENUM	INTESTINE, SMALL, ILEUM
INTESTINE, SMALL, JEJUNUM	ISLETS, PANCREATIC	KIDNEY	LIVER
LUNG	LYMPH NODE, MANDIBULAR	LYMPH NODE, MESENTERIC	NOSE
PANCREAS	PARATHYROID GLAND	PITUITARY GLAND	PREPUTIAL GLAND
PROSTATE	SALIVARY GLANDS	SEMINAL VESICLE	SKIN
SPLEEN	STOMACH, FORESTOMACH	STOMACH, GLANDULAR	TESTES
THYMUS	THYROID GLAND	TRACHEA	URINARY BLADDER

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**MISSING**

LYMPH NODE, BRONCHIAL	LYMPH NODE, MEDIASTINAL	MAMMARY GLAND
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**OBSERVATIONS**

AORTA			
Tissue Comment: negative for fungus with GMS			
GALLBLADDER			
Tissue Comment: negative for fungus with GMS			
HEART			
Tissue Comment: negative for fungus with GMS			
LARYNX	EPIGLOTTIS	METAPLASIA	SQUAMOUS, MINIMAL
LIVER			
Tissue Comment: negative for fungus with GMS			
LUNG			
Tissue Comment: negative for fungus with GMS			
SPLEEN			
Tissue Comment: negative for fungus with GMS			

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**Study Number:** C08022  
**Test Type:** TOX  
**Route:** Nose-Only Inhalation  
**Species/Strain:** Mouse/B6C3F1/N

**PA14: Individual Animal Pathology Data**  
**Test Compound:** Aspergillus fumigatus mold  
**CAS Number:** ASPERGILLUS

**Date Report Requested:** 11/25/2019  
**Time Report Requested:** 13:20:19  
**Lab:** Battelle

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<b>ANIMAL ID:</b> 8	<b>TRT#:</b> 1	<b>DOSE:</b> Air Control	<b>SEX:</b> Male	<b>REMOVAL DAY:</b> SD87
			<b>DISP:</b> Scheduled Removal (Terminal)	<b>HISTO:</b> 17878

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**TISSUE STATUS**

**No Visible Lesions**

AORTA	BONE MARROW	BONE, FEMUR	BRAIN
EPIDIDYMIS	ESOPHAGUS	EYE	GALLBLADDER
HARDERIAN GLAND	HEART	INTESTINE, LARGE, CECUM	INTESTINE, LARGE, COLON
INTESTINE, LARGE, RECTUM	INTESTINE, SMALL, DUODENUM	INTESTINE, SMALL, ILEUM	INTESTINE, SMALL, JEJUNUM
ISLETS, PANCREATIC	KIDNEY	LARYNX	LIVER
LUNG	LYMPH NODE, BRONCHIAL	LYMPH NODE, MANDIBULAR	LYMPH NODE, MESENTERIC
NOSE	PANCREAS	PARATHYROID GLAND	PREPUTIAL GLAND
PROSTATE	SALIVARY GLANDS	SEMINAL VESICLE	SKIN
SPLEEN	STOMACH, FORESTOMACH	STOMACH, GLANDULAR	TESTES
THYMUS	THYROID GLAND	TRACHEA	URINARY BLADDER

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**MISSING**

LYMPH NODE, MEDIASTINAL	MAMMARY GLAND	PITUITARY GLAND
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**OBSERVATIONS**

ADRENAL GLAND	CORTEX	HYPERTROPHY	FOCAL, MINIMAL
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AORTA  
Tissue Comment: GMS staining negative for fungus

GALLBLADDER  
Tissue Comment: GMS stain negative for fungus

HEART  
Tissue Comment: GMS stain negative for fungus

LIVER  
Tissue Comment: GMS Stain negative for fungus

LUNG  
Tissue Comment: GMS staining negative for fungus

LYMPH NODE, BRONCHIAL  
Tissue Comment: GMS staining negative for fungus

SPLEEN  
Tissue Comment: GMS stain is negative for fungus

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**Study Number:** C08022  
**Test Type:** TOX  
**Route:** Nose-Only Inhalation  
**Species/Strain:** Mouse/B6C3F1/N

**PA14: Individual Animal Pathology Data**  
**Test Compound:** Aspergillus fumigatus mold  
**CAS Number:** ASPERGILLUS

**Date Report Requested:** 11/25/2019  
**Time Report Requested:** 13:20:19  
**Lab:** Battelle

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<b>ANIMAL ID:</b> 9	<b>TRT#:</b> 1	<b>DOSE:</b> Air Control	<b>SEX:</b> Male	<b>REMOVAL DAY:</b> SD87
			<b>DISP:</b> Scheduled Removal (Terminal)	<b>HISTO:</b> 17879

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**TISSUE STATUS**

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**No Visible Lesions**

ADRENAL GLAND	AORTA	BONE MARROW	BONE, FEMUR
BRAIN	EPIDIDYMIS	ESOPHAGUS	EYE
GALLBLADDER	HARDERIAN GLAND	HEART	INTESTINE, LARGE, CECUM
INTESTINE, LARGE, COLON	INTESTINE, LARGE, RECTUM	INTESTINE, SMALL, DUODENUM	INTESTINE, SMALL, ILEUM
INTESTINE, SMALL, JEJUNUM	ISLETS, PANCREATIC	LARYNX	LIVER
LUNG	LYMPH NODE, MANDIBULAR	LYMPH NODE, MESENTERIC	NOSE
PANCREAS	PITUITARY GLAND	PREPUTIAL GLAND	PROSTATE
SALIVARY GLANDS	SEMINAL VESICLE	SKIN	SPLEEN
STOMACH, FORESTOMACH	STOMACH, GLANDULAR	TESTES	THYMUS
THYROID GLAND	TRACHEA	URINARY BLADDER	

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**MISSING**

LYMPH NODE, BRONCHIAL	LYMPH NODE, MEDIASTINAL	MAMMARY GLAND	PARATHYROID GLAND
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**OBSERVATIONS**

AORTA Tissue Comment: GMS stain is negative for fungus			
GALLBLADDER Tissue Comment: GMS stain is negative for fungus			
HEART Tissue Comment: GMS stain is negative for fungus			
KIDNEY		NEPHROPATHY	CHRONIC PROGRESSIVE, MINIMAL
LIVER Tissue Comment: GMS stain is negative for fungus			
LYMPH NODE, BRONCHIAL Tissue Comment: No section of lymph node on the GMS stained slide			
SPLEEN Tissue Comment: GMS stain is negative for fungus			

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**Study Number:** C08022  
**Test Type:** TOX  
**Route:** Nose-Only Inhalation  
**Species/Strain:** Mouse/B6C3F1/N

**PA14: Individual Animal Pathology Data**  
**Test Compound:** Aspergillus fumigatus mold  
**CAS Number:** ASPERGILLUS

**Date Report Requested:** 11/25/2019  
**Time Report Requested:** 13:20:19  
**Lab:** Battelle

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<b>ANIMAL ID:</b> 10	<b>TRT#:</b> 1	<b>DOSE:</b> Air Control	<b>SEX:</b> Male	<b>REMOVAL DAY:</b> SD87
			<b>DISP:</b> Scheduled Removal (Terminal)	<b>HISTO:</b> 17880

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**TISSUE STATUS**

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**No Visible Lesions**

ADRENAL GLAND	AORTA	BONE MARROW	BONE, FEMUR
BRAIN	EPIDIDYMIS	ESOPHAGUS	EYE
GALLBLADDER	HARDERIAN GLAND	HEART	INTESTINE, LARGE, CECUM
INTESTINE, LARGE, COLON	INTESTINE, LARGE, RECTUM	INTESTINE, SMALL, DUODENUM	INTESTINE, SMALL, ILEUM
INTESTINE, SMALL, JEJUNUM	ISLETS, PANCREATIC	KIDNEY	LARYNX
LIVER	LUNG	LYMPH NODE, BRONCHIAL	LYMPH NODE, MANDIBULAR
LYMPH NODE, MESENTERIC	NOSE	PANCREAS	PARATHYROID GLAND
PITUITARY GLAND	PREPUTIAL GLAND	PROSTATE	SALIVARY GLANDS
SEMINAL VESICLE	SKIN	SPLEEN	STOMACH, FORESTOMACH
STOMACH, GLANDULAR	TESTES	THYMUS	THYROID GLAND
TRACHEA	URINARY BLADDER		

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**MISSING**

LYMPH NODE, MEDIASTINAL	MAMMARY GLAND
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**OBSERVATIONS**

AORTA  
Tissue Comment: GMS stain is negative for fungus

GALLBLADDER  
Tissue Comment: GMS stain is negative for fungus

HEART  
Tissue Comment: GMS stain is negative for fungus

LIVER  
Tissue Comment: GMS stain is negative for fungus

LUNG  
Tissue Comment: GMS stain is negative for fungus

LYMPH NODE, BRONCHIAL  
Tissue Comment: GMS stain is negative for fungus

SPLEEN  
Tissue Comment: GMS stain is negative for fungus

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**Study Number:** C08022  
**Test Type:** TOX  
**Route:** Nose-Only Inhalation  
**Species/Strain:** Mouse/B6C3F1/N

**PA14: Individual Animal Pathology Data**  
**Test Compound:** Aspergillus fumigatus mold  
**CAS Number:** ASPERGILLUS

**Date Report Requested:** 11/25/2019  
**Time Report Requested:** 13:20:19  
**Lab:** Battelle

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**ANIMAL ID:** 21      **TRT#:** 2      **DOSE:** Heat Inactivated Particle Control      **SEX:** Male      **REMOVAL DAY:** SD87  
**DISP:** Scheduled Removal (Terminal)      **HISTO:** 17891

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**TISSUE STATUS**

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**No Visible Lesions**

ADRENAL GLAND	AORTA	BONE MARROW	BONE, FEMUR
BRAIN	EPIDIDYMIS	ESOPHAGUS	EYE
GALLBLADDER	HARDERIAN GLAND	HEART	INTESTINE, LARGE, CECUM
INTESTINE, LARGE, COLON	INTESTINE, LARGE, RECTUM	INTESTINE, SMALL, DUODENUM	INTESTINE, SMALL, ILEUM
INTESTINE, SMALL, JEJUNUM	ISLETS, PANCREATIC	KIDNEY	LARYNX
LIVER	LYMPH NODE, MANDIBULAR	LYMPH NODE, MESENTERIC	NOSE
PANCREAS	PARATHYROID GLAND	PITUITARY GLAND	PREPUTIAL GLAND
PROSTATE	SALIVARY GLANDS	SEMINAL VESICLE	SKIN
SPLEEN	STOMACH, FORESTOMACH	STOMACH, GLANDULAR	TESTES
THYMUS	THYROID GLAND	TRACHEA	URINARY BLADDER

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**MISSING**

LYMPH NODE, MEDIASTINAL	MAMMARY GLAND
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**OBSERVATIONS**

AORTA

Tissue Comment: GMS staining negative for fungus

GALLBLADDER

Tissue Comment: GMS staining negative for fungus

HEART

Tissue Comment: GMS staining negative for fungus

LIVER

Tissue Comment: GMS staining negative for fungus

LUNG

FUNGUS

Observation Comment: 5 GMS

LYMPH NODE, BRONCHIAL

FUNGUS

Observation Comment: 5 GMS

SPLEEN

Tissue Comment: GMS staining negative for fungus

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**Study Number:** C08022  
**Test Type:** TOX  
**Route:** Nose-Only Inhalation  
**Species/Strain:** Mouse/B6C3F1/N

**PA14: Individual Animal Pathology Data**  
**Test Compound:** Aspergillus fumigatus mold  
**CAS Number:** ASPERGILLUS

**Date Report Requested:** 11/25/2019  
**Time Report Requested:** 13:20:19  
**Lab:** Battelle

**ANIMAL ID:** 22      **TRT#:** 2      **DOSE:** Heat Inactivated Particle Control      **SEX:** Male      **REMOVAL DAY:** SD87  
**DISP:** Scheduled Removal (Terminal)      **HISTO:** 17892

**TISSUE STATUS**

**No Visible Lesions**

ADRENAL GLAND	AORTA	BONE MARROW	BONE, FEMUR
BRAIN	EPIDIDYMIS	ESOPHAGUS	EYE
GALLBLADDER	HARDERIAN GLAND	HEART	INTESTINE, LARGE, CECUM
INTESTINE, LARGE, COLON	INTESTINE, LARGE, RECTUM	INTESTINE, SMALL, DUODENUM	INTESTINE, SMALL, ILEUM
INTESTINE, SMALL, JEJUNUM	ISLETS, PANCREATIC	KIDNEY	LARYNX
LIVER	LYMPH NODE, BRONCHIAL	LYMPH NODE, MANDIBULAR	LYMPH NODE, MESENTERIC
NOSE	PANCREAS	PITUITARY GLAND	PREPUTIAL GLAND
PROSTATE	SALIVARY GLANDS	SEMINAL VESICLE	SKIN
SPLEEN	STOMACH, FORESTOMACH	STOMACH, GLANDULAR	TESTES
THYMUS	THYROID GLAND	TRACHEA	URINARY BLADDER

**MISSING**

LYMPH NODE, MEDIASTINAL	MAMMARY GLAND	PARATHYROID GLAND
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**OBSERVATIONS**

AORTA  
Tissue Comment: GMS staining negative for fungus

GALLBLADDER  
Tissue Comment: GMS staining negative for fungus

HEART  
Tissue Comment: GMS staining negative for fungus

LUNG	BALT	FUNGUS	
		FUNGUS	
	BALT, LYMPHOCYTE	HYPERPLASIA	MINIMAL

Observation Comment: 5 GMS  
Observation Comment: 5 GMS

LYMPH NODE, BRONCHIAL  
Tissue Comment: GMS staining negative for fungus

SPLEEN  
Tissue Comment: GMS staining negative for fungus

**Study Number:** C08022  
**Test Type:** TOX  
**Route:** Nose-Only Inhalation  
**Species/Strain:** Mouse/B6C3F1/N

**PA14: Individual Animal Pathology Data**  
**Test Compound:** Aspergillus fumigatus mold  
**CAS Number:** ASPERGILLUS

**Date Report Requested:** 11/25/2019  
**Time Report Requested:** 13:20:19  
**Lab:** Battelle

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**ANIMAL ID:** 23                      **TRT#:** 2                      **DOSE:** Heat Inactivated Particle Control   **SEX:** Male                      **REMOVAL DAY:** SD87  
**DISP:** Scheduled Removal (Terminal)                      **HISTO:** 17893

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**TISSUE STATUS**

**No Visible Lesions**

ADRENAL GLAND	AORTA	BONE MARROW	BONE, FEMUR
BRAIN	EPIDIDYMIS	ESOPHAGUS	EYE
GALLBLADDER	HARDERIAN GLAND	HEART	INTESTINE, LARGE, CECUM
INTESTINE, LARGE, COLON	INTESTINE, LARGE, RECTUM	INTESTINE, SMALL, DUODENUM	INTESTINE, SMALL, ILEUM
INTESTINE, SMALL, JEJUNUM	ISLETS, PANCREATIC	KIDNEY	LARYNX
LIVER	LYMPH NODE, MANDIBULAR	LYMPH NODE, MESENTERIC	NOSE
PANCREAS	PARATHYROID GLAND	PITUITARY GLAND	PREPUTIAL GLAND
PROSTATE	SALIVARY GLANDS	SEMINAL VESICLE	SKIN
SPLEEN	STOMACH, FORESTOMACH	STOMACH, GLANDULAR	TESTES
THYMUS	THYROID GLAND	TRACHEA	URINARY BLADDER

**MISSING**

LYMPH NODE, BRONCHIAL	LYMPH NODE, MEDIASTINAL	MAMMARY GLAND
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**OBSERVATIONS**

AORTA

Tissue Comment: GMS staining negative for fungus

GALLBLADDER

Tissue Comment: GMS staining negative for fungus

HEART

Tissue Comment: GMS staining negative for fungus

LUNG

BALT

FUNGUS

FUNGUS

Observation Comment: 5 GMS

Observation Comment: 5 GMS

SPLEEN

Tissue Comment: GMS staining negative for fungus

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Study Number: C08022  
Test Type: TOX  
Route: Nose-Only Inhalation  
Species/Strain: Mouse/B6C3F1/N

PA14: Individual Animal Pathology Data  
Test Compound: Aspergillus fumigatus mold  
CAS Number: ASPERGILLUS

Date Report Requested: 11/25/2019  
Time Report Requested: 13:20:19  
Lab: Battelle

ANIMAL ID: 24 TRT#: 2 DOSE: Heat Inactivated Particle Control SEX: Male REMOVAL DAY: SD87  
DISP: Scheduled Removal (Terminal) HISTO: 17894

TISSUE STATUS

No Visible Lesions

ADRENAL GLAND	AORTA	BONE MARROW	BONE, FEMUR
BRAIN	EPIDIDYMIS	ESOPHAGUS	EYE
GALLBLADDER	HARDERIAN GLAND	HEART	INTESTINE, LARGE, CECUM
INTESTINE, LARGE, COLON	INTESTINE, LARGE, RECTUM	INTESTINE, SMALL, DUODENUM	INTESTINE, SMALL, ILEUM
INTESTINE, SMALL, JEJUNUM	ISLETS, PANCREATIC	LARYNX	LIVER
LYMPH NODE, BRONCHIAL	LYMPH NODE, MANDIBULAR	LYMPH NODE, MEDIASTINAL	LYMPH NODE, MESENTERIC
NOSE	PANCREAS	PARATHYROID GLAND	PITUITARY GLAND
PREPUTIAL GLAND	PROSTATE	SALIVARY GLANDS	SEMINAL VESICLE
SKIN	SPLEEN	STOMACH, FORESTOMACH	STOMACH, GLANDULAR
TESTES	THYMUS	THYROID GLAND	TRACHEA
URINARY BLADDER			

MISSING

MAMMARY GLAND

OBSERVATIONS

AORTA  
Tissue Comment: GMS staining negative for fungus

GALLBLADDER  
Tissue Comment: GMS staining negative for fungus

HEART  
Tissue Comment: GMS staining negative for fungus

KIDNEY NEPHROPATHY CHRONIC PROGRESSIVE, MINIMAL

LUNG BALT FUNGUS  
BALT, LYMPHOCYTE FUNGUS  
HYPERPLASIA MINIMAL  
INFLAMMATION CHRONIC, MILD

Observation Comment: 5 GMS  
Observation Comment: 5 GMS

LYMPH NODE, BRONCHIAL  
Tissue Comment: GMS staining negative for fungus

SPLEEN  
Tissue Comment: GMS staining negative for fungus

**Study Number:** C08022

**Test Type:** TOX

**Route:** Nose-Only Inhalation

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

**PA14: Individual Animal Pathology Data**

**Test Compound:** Aspergillus fumigatus mold

**CAS Number:** ASPERGILLUS

**Date Report Requested:** 11/25/2019

**Time Report Requested:** 13:20:19

**Lab:** Battelle

**ANIMAL ID:** 25

**TRT#:** 2

**DOSE:** Heat Inactivated Particle Control **SEX:** Male

**REMOVAL DAY:** SD87

**DISP:** Scheduled Removal (Terminal)

**HISTO:** 17895

**TISSUE STATUS**

**No Visible Lesions**

ADRENAL GLAND	AORTA	BONE MARROW	BONE, FEMUR
BRAIN	EPIDIDYMIS	ESOPHAGUS	EYE
GALLBLADDER	HARDERIAN GLAND	HEART	INTESTINE, LARGE, CECUM
INTESTINE, LARGE, COLON	INTESTINE, LARGE, RECTUM	INTESTINE, SMALL, DUODENUM	INTESTINE, SMALL, ILEUM
INTESTINE, SMALL, JEJUNUM	ISLETS, PANCREATIC	KIDNEY	LARYNX
LIVER	LYMPH NODE, MANDIBULAR	LYMPH NODE, MEDIASTINAL	LYMPH NODE, MESENTERIC
NOSE	PANCREAS	PARATHYROID GLAND	PITUITARY GLAND
PREPUTIAL GLAND	PROSTATE	SALIVARY GLANDS	SEMINAL VESICLE
SKIN	SPLEEN	STOMACH, FORESTOMACH	STOMACH, GLANDULAR
TESTES	THYMUS	THYROID GLAND	TRACHEA
URINARY BLADDER			

**MISSING**

MAMMARY GLAND

**OBSERVATIONS**

AORTA			
Tissue Comment: GMS staining negative for fungus			
GALLBLADDER			
Tissue Comment: GMS staining negative for fungus			
HEART			
Tissue Comment: GMS staining negative for fungus			
LUNG	BALT	FUNGUS	
		FUNGUS	
	BALT, LYMPHOCYTE	HYPERPLASIA	MINIMAL
Observation Comment: 5 GMS			
Observation Comment: 5 GMS			
LYMPH NODE, BRONCHIAL		FUNGUS	
SPLEEN			
Tissue Comment: GMS staining negative for fungus			



**Study Number:** C08022  
**Test Type:** TOX  
**Route:** Nose-Only Inhalation  
**Species/Strain:** Mouse/B6C3F1/N

**PA14: Individual Animal Pathology Data**  
**Test Compound:** Aspergillus fumigatus mold  
**CAS Number:** ASPERGILLUS

**Date Report Requested:** 11/25/2019  
**Time Report Requested:** 13:20:19  
**Lab:** Battelle

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**ANIMAL ID:** 26                      **TRT#:** 2                      **DOSE:** Heat Inactivated Particle Control   **SEX:** Male                      **REMOVAL DAY:** SD87  
**DISP:** Scheduled Removal (Terminal)                      **HISTO:** 17896

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**TISSUE STATUS**

**No Visible Lesions**

ADRENAL GLAND	AORTA	BONE MARROW	BONE, FEMUR
BRAIN	EPIDIDYMIS	ESOPHAGUS	EYE
GALLBLADDER	HARDERIAN GLAND	HEART	INTESTINE, LARGE, CECUM
INTESTINE, LARGE, COLON	INTESTINE, LARGE, RECTUM	INTESTINE, SMALL, DUODENUM	INTESTINE, SMALL, ILEUM
INTESTINE, SMALL, JEJUNUM	ISLETS, PANCREATIC	KIDNEY	LARYNX
LYMPH NODE, BRONCHIAL	LYMPH NODE, MANDIBULAR	LYMPH NODE, MESENTERIC	NOSE
PANCREAS	PARATHYROID GLAND	PITUITARY GLAND	PREPUTIAL GLAND
PROSTATE	SALIVARY GLANDS	SEMINAL VESICLE	SKIN
SPLEEN	STOMACH, FORESTOMACH	STOMACH, GLANDULAR	TESTES
THYMUS	THYROID GLAND	TRACHEA	URINARY BLADDER

**MISSING**

LYMPH NODE, MEDIASTINAL	MAMMARY GLAND
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**OBSERVATIONS**

AORTA			
Tissue Comment: GMS staining for fungus is negative			
GALLBLADDER			
Tissue Comment: GMS staining for fungus is negative			
HEART			
Tissue Comment: GMS staining for fungus is negative			
LIVER		INFLAMMATION	FOCAL, MINIMAL
LUNG	BALT, LYMPHOCYTE	HYPERPLASIA	MINIMAL
		INFLAMMATION	CHRONIC, MINIMAL
LYMPH NODE, BRONCHIAL			
Tissue Comment: GMS staining for fungus is negative			
SPLEEN			
Tissue Comment: GMS staining for fungus is negative			

**Study Number:** C08022

**Test Type:** TOX

**Route:** Nose-Only Inhalation

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

**PA14: Individual Animal Pathology Data**

**Test Compound:** Aspergillus fumigatus mold

**CAS Number:** ASPERGILLUS

**Date Report Requested:** 11/25/2019

**Time Report Requested:** 13:20:19

**Lab:** Battelle

**ANIMAL ID:** 27

**TRT#:** 2

**DOSE:** Heat Inactivated Particle Control **SEX:** Male

**REMOVAL DAY:** SD87

**DISP:** Scheduled Removal (Terminal)

**HISTO:** 17897

**TISSUE STATUS**

**No Visible Lesions**

ADRENAL GLAND  
 BRAIN  
 GALLBLADDER  
 INTESTINE, LARGE, COLON  
 INTESTINE, SMALL, JEJUNUM  
 LIVER  
 NOSE  
 PREPUTIAL GLAND  
 SKIN  
 TESTES  
 URINARY BLADDER

AORTA  
 EPIDIDYMIS  
 HARDERIAN GLAND  
 INTESTINE, LARGE, RECTUM  
 ISLETS, PANCREATIC  
 LYMPH NODE, BRONCHIAL  
 PANCREAS  
 PROSTATE  
 SPLEEN  
 THYMUS

BONE MARROW  
 ESOPHAGUS  
 HEART  
 INTESTINE, SMALL, DUODENUM  
 KIDNEY  
 LYMPH NODE, MANDIBULAR  
 PARATHYROID GLAND  
 SALIVARY GLANDS  
 STOMACH, FORESTOMACH  
 THYROID GLAND

BONE, FEMUR  
 EYE  
 INTESTINE, LARGE, CECUM  
 INTESTINE, SMALL, ILEUM  
 LARYNX  
 LYMPH NODE, MESENTERIC  
 PITUITARY GLAND  
 SEMINAL VESICLE  
 STOMACH, GLANDULAR  
 TRACHEA

**MISSING**

LYMPH NODE, MEDIASTINAL                      MAMMARY GLAND

**OBSERVATIONS**

AORTA  
 Tissue Comment: GMS stain is negative for fungus  
 GALLBLADDER  
 Tissue Comment: GMS stain is negative for fungus  
 HEART  
 Tissue Comment: GMS stain is negative for fungus  
 LIVER  
 Tissue Comment: GMS stain is negative for fungus  
 LUNG  
 LYMPH NODE, BRONCHIAL  
 Tissue Comment: GMS stain is negative for fungus  
 SPLEEN  
 Tissue Comment: GMS stain is negative for fungus

BALT, LYMPHOCYTE                      HYPERPLASIA                      MINIMAL

**Study Number:** C08022  
**Test Type:** TOX  
**Route:** Nose-Only Inhalation  
**Species/Strain:** Mouse/B6C3F1/N

**PA14: Individual Animal Pathology Data**  
**Test Compound:** Aspergillus fumigatus mold  
**CAS Number:** ASPERGILLUS

**Date Report Requested:** 11/25/2019  
**Time Report Requested:** 13:20:19  
**Lab:** Battelle

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**ANIMAL ID:** 28                      **TRT#:** 2                      **DOSE:** Heat Inactivated Particle Control   **SEX:** Male                      **REMOVAL DAY:** SD87  
**DISP:** Scheduled Removal (Terminal)                      **HISTO:** 17898

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**TISSUE STATUS**

**No Visible Lesions**

ADRENAL GLAND	AORTA	BONE MARROW	BONE, FEMUR
BRAIN	EPIDIDYMIS	ESOPHAGUS	EYE
GALLBLADDER	HARDERIAN GLAND	HEART	INTESTINE, LARGE, CECUM
INTESTINE, LARGE, COLON	INTESTINE, LARGE, RECTUM	INTESTINE, SMALL, DUODENUM	INTESTINE, SMALL, ILEUM
INTESTINE, SMALL, JEJUNUM	ISLETS, PANCREATIC	KIDNEY	LARYNX
LIVER	LUNG	LYMPH NODE, BRONCHIAL	LYMPH NODE, MANDIBULAR
LYMPH NODE, MEDIASTINAL	LYMPH NODE, MESENTERIC	NOSE	PANCREAS
PARATHYROID GLAND	PITUITARY GLAND	PREPUTIAL GLAND	PROSTATE
SALIVARY GLANDS	SEMINAL VESICLE	SKIN	SPLEEN
STOMACH, FORESTOMACH	STOMACH, GLANDULAR	TESTES	THYMUS
THYROID GLAND	TRACHEA	URINARY BLADDER	

**MISSING**

MAMMARY GLAND

**OBSERVATIONS**

AORTA  
Tissue Comment: GMS stain is negative for fungus

GALLBLADDER  
Tissue Comment: GMS stain is negative for fungus

HEART  
Tissue Comment: GMS stain is negative for fungus

LIVER  
Tissue Comment: GMS stain is negative for fungus

LUNG  
Tissue Comment: GMS stain is negative for fungus

LYMPH NODE, BRONCHIAL  
Tissue Comment: GMS stain is negative for fungus

SPLEEN  
Tissue Comment: GMS stain is negative for fungus

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**Study Number:** C08022  
**Test Type:** TOX  
**Route:** Nose-Only Inhalation  
**Species/Strain:** Mouse/B6C3F1/N

**PA14: Individual Animal Pathology Data**  
**Test Compound:** Aspergillus fumigatus mold  
**CAS Number:** ASPERGILLUS

**Date Report Requested:** 11/25/2019  
**Time Report Requested:** 13:20:19  
**Lab:** Battelle

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**ANIMAL ID:** 29                      **TRT#:** 2                      **DOSE:** Heat Inactivated Particle Control   **SEX:** Male                      **REMOVAL DAY:** SD87  
**DISP:** Scheduled Removal (Terminal)                      **HISTO:** 17899

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**TISSUE STATUS**

**No Visible Lesions**

ADRENAL GLAND	AORTA	BONE MARROW	BONE, FEMUR
BRAIN	EPIDIDYMIS	ESOPHAGUS	EYE
GALLBLADDER	HARDERIAN GLAND	HEART	INTESTINE, LARGE, CECUM
INTESTINE, LARGE, COLON	INTESTINE, LARGE, RECTUM	INTESTINE, SMALL, DUODENUM	INTESTINE, SMALL, ILEUM
INTESTINE, SMALL, JEJUNUM	ISLETS, PANCREATIC	KIDNEY	LARYNX
LIVER	LYMPH NODE, BRONCHIAL	LYMPH NODE, MANDIBULAR	LYMPH NODE, MESENTERIC
NOSE	PANCREAS	PITUITARY GLAND	PREPUTIAL GLAND
PROSTATE	SALIVARY GLANDS	SEMINAL VESICLE	SKIN
SPLEEN	STOMACH, FORESTOMACH	STOMACH, GLANDULAR	TESTES
THYMUS	THYROID GLAND	TRACHEA	URINARY BLADDER

**MISSING**

LYMPH NODE, MEDIASTINAL	MAMMARY GLAND	PARATHYROID GLAND
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**OBSERVATIONS**

AORTA			
Tissue Comment: GMS stain is negative for fungus			
GALLBLADDER			
Tissue Comment: GMS stain is negative for fungus			
HEART			
Tissue Comment: GMS stain is negative for fungus			
LIVER			
Tissue Comment: GMS stain is negative for fungus			
LUNG	BALT, LYMPHOCYTE	HYPERPLASIA INFLAMMATION	MINIMAL CHRONIC, MILD
LYMPH NODE, BRONCHIAL			
Tissue Comment: GMS stain is negative for fungus			
SPLEEN			
Tissue Comment: GMS stain is negative for fungus			

**Study Number:** C08022  
**Test Type:** TOX  
**Route:** Nose-Only Inhalation  
**Species/Strain:** Mouse/B6C3F1/N

**PA14: Individual Animal Pathology Data**  
**Test Compound:** Aspergillus fumigatus mold  
**CAS Number:** ASPERGILLUS

**Date Report Requested:** 11/25/2019  
**Time Report Requested:** 13:20:19  
**Lab:** Battelle

**ANIMAL ID:** 30      **TRT#:** 2      **DOSE:** Heat Inactivated Particle Control      **SEX:** Male      **REMOVAL DAY:** SD87  
**DISP:** Scheduled Removal (Terminal)      **HISTO:** 17900

**TISSUE STATUS**

**No Visible Lesions**

AORTA	BONE MARROW	BONE, FEMUR	BRAIN
EPIDIDYMIS	ESOPHAGUS	EYE	GALLBLADDER
HARDERIAN GLAND	HEART	INTESTINE, LARGE, CECUM	INTESTINE, LARGE, COLON
INTESTINE, LARGE, RECTUM	INTESTINE, SMALL, DUODENUM	INTESTINE, SMALL, ILEUM	INTESTINE, SMALL, JEJUNUM
ISLETS, PANCREATIC	KIDNEY	LARYNX	LYMPH NODE, BRONCHIAL
LYMPH NODE, MANDIBULAR	LYMPH NODE, MEDIASTINAL	LYMPH NODE, MESENTERIC	NOSE
PANCREAS	PARATHYROID GLAND	PITUITARY GLAND	PREPUTIAL GLAND
PROSTATE	SALIVARY GLANDS	SEMINAL VESICLE	SKIN
SPLEEN	STOMACH, FORESTOMACH	STOMACH, GLANDULAR	TESTES
THYMUS	THYROID GLAND	TRACHEA	URINARY BLADDER

**MISSING**

MAMMARY GLAND

**OBSERVATIONS**

ADRENAL GLAND	CAPSULE	ACCESSORY ADRENAL CORTICAL NODULE	
AORTA			
Tissue Comment: GMS stain is negative for fungus			
GALLBLADDER			
Tissue Comment: GMS stain is negative for fungus			
HEART			
Tissue Comment: GMS stain is negative for fungus			
LIVER		INFLAMMATION	FOCAL, MINIMAL
LUNG	BALT, LYMPHOCYTE	HYPERPLASIA	MINIMAL
LYMPH NODE, BRONCHIAL			
Tissue Comment: GMS stain is negative for fungus			
SPLEEN			
Tissue Comment: GMS stain is negative for fungus			

**Study Number:** C08022  
**Test Type:** TOX  
**Route:** Nose-Only Inhalation  
**Species/Strain:** Mouse/B6C3F1/N

**PA14: Individual Animal Pathology Data**  
**Test Compound:** Aspergillus fumigatus mold  
**CAS Number:** ASPERGILLUS

**Date Report Requested:** 11/25/2019  
**Time Report Requested:** 13:20:19  
**Lab:** Battelle

**ANIMAL ID:** 41      **TRT#:** 3      **DOSE:** Viable Aspergillus fumigatus      **SEX:** Male      **REMOVAL DAY:** SD87  
**DISP:** Scheduled Removal (Terminal)      **HISTO:** 17911

**TISSUE STATUS**

**No Visible Lesions**

ADRENAL GLAND	AORTA	BONE MARROW	BONE, FEMUR
BRAIN	EPIDIDYMIS	ESOPHAGUS	EYE
GALLBLADDER	HARDERIAN GLAND	HEART	INTESTINE, LARGE, CECUM
INTESTINE, LARGE, COLON	INTESTINE, LARGE, RECTUM	INTESTINE, SMALL, DUODENUM	INTESTINE, SMALL, ILEUM
INTESTINE, SMALL, JEJUNUM	ISLETS, PANCREATIC	KIDNEY	LYMPH NODE, MANDIBULAR
LYMPH NODE, MESENTERIC	NOSE	PANCREAS	PARATHYROID GLAND
PITUITARY GLAND	PREPUTIAL GLAND	PROSTATE	SALIVARY GLANDS
SEMINAL VESICLE	SKIN	SPLEEN	STOMACH, FORESTOMACH
STOMACH, GLANDULAR	TESTES	THYMUS	THYROID GLAND
TRACHEA	URINARY BLADDER		

**MISSING**

LYMPH NODE, MEDIASTINAL      MAMMARY GLAND

**OBSERVATIONS**

AORTA			
Tissue Comment: negative for fungus with GMS			
GALLBLADDER			
Tissue Comment: negative for fungus with GMS			
HEART			
Tissue Comment: negative for fungus with GMS			
LARYNX	EPIGLOTTIS	METAPLASIA	SQUAMOUS, MINIMAL
LIVER		INFLAMMATION	FOCAL, MINIMAL
LUNG	BALT, LYMPHOCYTE	HYPERPLASIA	MINIMAL
	BRONCHIOLE, EPITHELIUM	HYPERPLASIA	MINIMAL
	ARTERY, MEDIAL	HYPERTROPHY	MODERATE
		INFLAMMATION	CHRONIC ACTIVE, MODERATE
	GOBLET CELL	METAPLASIA	MILD
LYMPH NODE, BRONCHIAL	LYMPHOCYTE	HYPERPLASIA	MILD
	PLASMA CELL	HYPERPLASIA	MILD
SPLEEN			
Tissue Comment: negative for fungus with GMS			

**Study Number:** C08022  
**Test Type:** TOX  
**Route:** Nose-Only Inhalation  
**Species/Strain:** Mouse/B6C3F1/N

**PA14: Individual Animal Pathology Data**  
**Test Compound:** Aspergillus fumigatus mold  
**CAS Number:** ASPERGILLUS

**Date Report Requested:** 11/25/2019  
**Time Report Requested:** 13:20:19  
**Lab:** Battelle

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<b>ANIMAL ID:</b> 42	<b>TRT#:</b> 3	<b>DOSE:</b> Viable Aspergillus fumigatus	<b>SEX:</b> Male	<b>REMOVAL DAY:</b> SD87
			<b>DISP:</b> Scheduled Removal (Terminal)	<b>HISTO:</b> 17912

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**TISSUE STATUS**

**No Visible Lesions**

ADRENAL GLAND	AORTA	BONE MARROW	BONE, FEMUR
BRAIN	EPIDIDYMIS	ESOPHAGUS	EYE
GALLBLADDER	HARDERIAN GLAND	HEART	INTESTINE, LARGE, CECUM
INTESTINE, LARGE, COLON	INTESTINE, LARGE, RECTUM	INTESTINE, SMALL, DUODENUM	INTESTINE, SMALL, ILEUM
INTESTINE, SMALL, JEJUNUM	ISLETS, PANCREATIC	KIDNEY	LARYNX
LIVER	LYMPH NODE, BRONCHIAL	LYMPH NODE, MANDIBULAR	LYMPH NODE, MESENTERIC
NOSE	PANCREAS	PITUITARY GLAND	PREPUTIAL GLAND
PROSTATE	SALIVARY GLANDS	SEMINAL VESICLE	SKIN
SPLEEN	STOMACH, FORESTOMACH	STOMACH, GLANDULAR	TESTES
THYMUS	THYROID GLAND	TRACHEA	URINARY BLADDER

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**MISSING**

LYMPH NODE, MEDIASTINAL	MAMMARY GLAND	PARATHYROID GLAND
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**OBSERVATIONS**

AORTA			
Tissue Comment: negative for fungus with GMS			
GALLBLADDER			
Tissue Comment: negative for fungus with GMS			
HEART			
Tissue Comment: negative for fungus with GMS			
LIVER			
Tissue Comment: negative for fungus with GMS			
LUNG	BALT, LYMPHOCYTE	HYPERPLASIA	MINIMAL
	BRONCHIOLE, EPITHELIUM	HYPERPLASIA	MINIMAL
	ARTERY, MEDIAL	HYPERTROPHY	MILD
		INFLAMMATION	CHRONIC ACTIVE, MODERATE
	GOBLET CELL	METAPLASIA	MILD
LYMPH NODE, BRONCHIAL			
Tissue Comment: negative for fungus with GMS			
SPLEEN			
Tissue Comment: negative for fungus with GMS			

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**Study Number:** C08022  
**Test Type:** TOX  
**Route:** Nose-Only Inhalation  
**Species/Strain:** Mouse/B6C3F1/N

**PA14: Individual Animal Pathology Data**  
**Test Compound:** Aspergillus fumigatus mold  
**CAS Number:** ASPERGILLUS

**Date Report Requested:** 11/25/2019  
**Time Report Requested:** 13:20:19  
**Lab:** Battelle

**ANIMAL ID:** 43      **TRT#:** 3      **DOSE:** Viable Aspergillus fumigatus      **SEX:** Male      **REMOVAL DAY:** SD87  
**DISP:** Scheduled Removal (Terminal)      **HISTO:** 17913

**TISSUE STATUS**

**No Visible Lesions**

ADRENAL GLAND	AORTA	BONE MARROW	BONE, FEMUR
BRAIN	EPIDIDYMIS	ESOPHAGUS	EYE
GALLBLADDER	HARDERIAN GLAND	HEART	INTESTINE, LARGE, CECUM
INTESTINE, LARGE, COLON	INTESTINE, LARGE, RECTUM	INTESTINE, SMALL, DUODENUM	INTESTINE, SMALL, ILEUM
INTESTINE, SMALL, JEJUNUM	KIDNEY	LIVER	LYMPH NODE, MANDIBULAR
LYMPH NODE, MESENTERIC	NOSE	PANCREAS	PARATHYROID GLAND
PITUITARY GLAND	PREPUTIAL GLAND	PROSTATE	SALIVARY GLANDS
SEMINAL VESICLE	SKIN	SPLEEN	STOMACH, FORESTOMACH
STOMACH, GLANDULAR	TESTES	THYMUS	THYROID GLAND
TRACHEA	URINARY BLADDER		

**MISSING**

LYMPH NODE, MEDIASTINAL      MAMMARY GLAND

**NOT PRESENT**

ISLETS, PANCREATIC

**OBSERVATIONS**

AORTA			
Tissue Comment: negative for fungus with GMS			
GALLBLADDER			
Tissue Comment: not present on section stained with GMS			
HEART			
Tissue Comment: negative for fungus with GMS			
LARYNX	EPIGLOTTIS	METAPLASIA	SQUAMOUS, MINIMAL
LIVER			
Tissue Comment: negative for fungus with GMS			
LUNG		FUNGUS	
	BALT, LYMPHOCYTE	HYPERPLASIA	MINIMAL
	BRONCHIOLE, EPITHELIUM	HYPERPLASIA	MINIMAL
	ARTERY, MEDIAL	HYPERTROPHY	MODERATE
		INFLAMMATION	CHRONIC ACTIVE, MODERATE
	GOBLET CELL	METAPLASIA	MILD
Observation Comment: 5 GMS			
LYMPH NODE, BRONCHIAL	LYMPHOCYTE	HYPERPLASIA	MILD



**Study Number:** C08022

**Test Type:** TOX

**Route:** Nose-Only Inhalation

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

**PA14: Individual Animal Pathology Data**

**Test Compound:** Aspergillus fumigatus mold

**CAS Number:** ASPERGILLUS

**Date Report Requested:** 11/25/2019

**Time Report Requested:** 13:20:19

**Lab:** Battelle

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**ANIMAL ID:** 43

**TRT#:** 3

**DOSE:** Viable Aspergillus fumigatus

**SEX:** Male

**REMOVAL DAY:** SD87

**DISP:** Scheduled Removal (Terminal)

**HISTO:** 17913

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**TISSUE STATUS**

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PLASMA CELL

HYPERPLASIA

MILD

SPLEEN

Tissue Comment: negative for fungus with GMS

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**Study Number:** C08022  
**Test Type:** TOX  
**Route:** Nose-Only Inhalation  
**Species/Strain:** Mouse/B6C3F1/N

**PA14: Individual Animal Pathology Data**  
**Test Compound:** Aspergillus fumigatus mold  
**CAS Number:** ASPERGILLUS

**Date Report Requested:** 11/25/2019  
**Time Report Requested:** 13:20:19  
**Lab:** Battelle

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<b>ANIMAL ID:</b> 44	<b>TRT#:</b> 3	<b>DOSE:</b> Viable Aspergillus fumigatus	<b>SEX:</b> Male	<b>REMOVAL DAY:</b> SD87
			<b>DISP:</b> Scheduled Removal (Terminal)	<b>HISTO:</b> 17914

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**TISSUE STATUS**

**No Visible Lesions**

ADRENAL GLAND	AORTA	BONE MARROW	BONE, FEMUR
BRAIN	EPIDIDYMIS	ESOPHAGUS	EYE
GALLBLADDER	HARDERIAN GLAND	HEART	INTESTINE, LARGE, CECUM
INTESTINE, LARGE, COLON	INTESTINE, LARGE, RECTUM	INTESTINE, SMALL, DUODENUM	INTESTINE, SMALL, ILEUM
INTESTINE, SMALL, JEJUNUM	ISLETS, PANCREATIC	LYMPH NODE, MANDIBULAR	LYMPH NODE, MESENTERIC
NOSE	PANCREAS	PARATHYROID GLAND	PITUITARY GLAND
PREPUTIAL GLAND	PROSTATE	SALIVARY GLANDS	SEMINAL VESICLE
SKIN	SPLEEN	STOMACH, FORESTOMACH	STOMACH, GLANDULAR
TESTES	THYMUS	THYROID GLAND	TRACHEA
URINARY BLADDER			

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**MISSING**

LYMPH NODE, MEDIASTINAL	MAMMARY GLAND
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**OBSERVATIONS**

AORTA			
Tissue Comment: negative for fungus with GMS			
GALLBLADDER			
Tissue Comment: negative for fungus with GMS			
HEART			
Tissue Comment: negative for fungus with GMS			
KIDNEY		NEPHROPATHY	CHRONIC PROGRESSIVE, MINIMAL
LARYNX	EPIGLOTTIS	METAPLASIA	SQUAMOUS, MINIMAL
LIVER		INFLAMMATION	FOCAL, MINIMAL
LUNG	BALT, LYMPHOCYTE	HYPERPLASIA	MINIMAL
	BRONCHIOLE, EPITHELIUM	HYPERPLASIA	MINIMAL
	ARTERY, MEDIAL	HYPERTROPHY	MINIMAL
		INFLAMMATION	CHRONIC ACTIVE, MODERATE
	GOBLET CELL	METAPLASIA	MILD
LYMPH NODE, BRONCHIAL	PLASMA CELL	HYPERPLASIA	MINIMAL
SPLEEN			
Tissue Comment: negative for fungus with GMS			

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**Study Number:** C08022  
**Test Type:** TOX  
**Route:** Nose-Only Inhalation  
**Species/Strain:** Mouse/B6C3F1/N

**PA14: Individual Animal Pathology Data**  
**Test Compound:** Aspergillus fumigatus mold  
**CAS Number:** ASPERGILLUS

**Date Report Requested:** 11/25/2019  
**Time Report Requested:** 13:20:19  
**Lab:** Battelle

**ANIMAL ID:** 45      **TRT#:** 3      **DOSE:** Viable Aspergillus fumigatus      **SEX:** Male      **REMOVAL DAY:** SD87  
**DISP:** Scheduled Removal (Terminal)      **HISTO:** 17915

**TISSUE STATUS**

**No Visible Lesions**

ADRENAL GLAND	AORTA	BONE MARROW	BONE, FEMUR
BRAIN	EPIDIDYMIS	ESOPHAGUS	EYE
GALLBLADDER	HARDERIAN GLAND	HEART	INTESTINE, LARGE, CECUM
INTESTINE, LARGE, COLON	INTESTINE, LARGE, RECTUM	INTESTINE, SMALL, DUODENUM	INTESTINE, SMALL, ILEUM
INTESTINE, SMALL, JEJUNUM	ISLETS, PANCREATIC	KIDNEY	LIVER
LYMPH NODE, MANDIBULAR	LYMPH NODE, MESENTERIC	NOSE	PANCREAS
PARATHYROID GLAND	PITUITARY GLAND	PREPUTIAL GLAND	PROSTATE
SALIVARY GLANDS	SEMINAL VESICLE	SKIN	SPLEEN
STOMACH, FORESTOMACH	STOMACH, GLANDULAR	TESTES	THYMUS
THYROID GLAND	TRACHEA	URINARY BLADDER	

**MISSING**

LYMPH NODE, MEDIASTINAL      MAMMARY GLAND

**OBSERVATIONS**

AORTA  
Tissue Comment: negative for fungus with GMS

GALLBLADDER  
Tissue Comment: negative for fungus with GMS

HEART  
Tissue Comment: negative for fungus with GMS

LARYNX	EPIGLOTTIS	METAPLASIA	SQUAMOUS, MINIMAL
LIVER Tissue Comment: negative for fungus with GMS			
LUNG	BALT, LYMPHOCYTE BRONCHIOLE, EPITHELIUM ARTERY, MEDIAL	HYPERPLASIA HYPERPLASIA HYPERTROPHY INFLAMMATION	MINIMAL MINIMAL MODERATE CHRONIC ACTIVE, MODERATE
	GOBLET CELL	METAPLASIA	MILD
LYMPH NODE, BRONCHIAL	LYMPHOCYTE PLASMA CELL	HYPERPLASIA HYPERPLASIA	MILD MILD
SPLEEN Tissue Comment: negative for fungus with GMS			

**Study Number:** C08022  
**Test Type:** TOX  
**Route:** Nose-Only Inhalation  
**Species/Strain:** Mouse/B6C3F1/N

**PA14: Individual Animal Pathology Data**  
**Test Compound:** Aspergillus fumigatus mold  
**CAS Number:** ASPERGILLUS

**Date Report Requested:** 11/25/2019  
**Time Report Requested:** 13:20:19  
**Lab:** Battelle

**ANIMAL ID:** 46                      **TRT#:** 3                      **DOSE:** Viable Aspergillus fumigatus                      **SEX:** Male                      **REMOVAL DAY:** SD87  
**DISP:** Scheduled Removal (Terminal)                      **HISTO:** 17916

**TISSUE STATUS**

**No Visible Lesions**

ADRENAL GLAND	AORTA	BONE MARROW	BONE, FEMUR
BRAIN	EPIDIDYMIS	ESOPHAGUS	EYE
GALLBLADDER	HARDERIAN GLAND	HEART	INTESTINE, LARGE, CECUM
INTESTINE, LARGE, COLON	INTESTINE, LARGE, RECTUM	INTESTINE, SMALL, DUODENUM	INTESTINE, SMALL, ILEUM
INTESTINE, SMALL, JEJUNUM	ISLETS, PANCREATIC	LIVER	LYMPH NODE, MANDIBULAR
LYMPH NODE, MESENTERIC	NOSE	PANCREAS	PARATHYROID GLAND
PITUITARY GLAND	PREPUTIAL GLAND	PROSTATE	SALIVARY GLANDS
SEMINAL VESICLE	SKIN	SPLEEN	STOMACH, FORESTOMACH
STOMACH, GLANDULAR	TESTES	THYMUS	THYROID GLAND
TRACHEA	URINARY BLADDER		

**MISSING**

LYMPH NODE, MEDIASTINAL                      MAMMARY GLAND

**OBSERVATIONS**

AORTA			
Tissue Comment: negative for fungus with GMS			
GALLBLADDER			
Tissue Comment: negative for fungus with GMS			
HEART			
Tissue Comment: negative for fungus with GMS			
KIDNEY		NEPHROPATHY	CHRONIC PROGRESSIVE, MINIMAL
LARYNX	EPIGLOTTIS	METAPLASIA	SQUAMOUS, MINIMAL
LIVER			
Tissue Comment: negative for fungus with GMS			
LUNG	BALT, LYMPHOCYTE	HYPERPLASIA	MINIMAL
	BRONCHIOLE, EPITHELIUM	HYPERPLASIA	MINIMAL
	ARTERY, MEDIAL	HYPERTROPHY	MILD
		INFLAMMATION	CHRONIC ACTIVE, MODERATE
	GOBLET CELL	METAPLASIA	MINIMAL
		METAPLASIA	OSSEOUS, MINIMAL
LYMPH NODE, BRONCHIAL	LYMPHOCYTE	HYPERPLASIA	MILD
SPLEEN			
Tissue Comment: negative for fungus with GMS			

**Study Number:** C08022  
**Test Type:** TOX  
**Route:** Nose-Only Inhalation  
**Species/Strain:** Mouse/B6C3F1/N

**PA14: Individual Animal Pathology Data**  
**Test Compound:** Aspergillus fumigatus mold  
**CAS Number:** ASPERGILLUS

**Date Report Requested:** 11/25/2019  
**Time Report Requested:** 13:20:19  
**Lab:** Battelle

**ANIMAL ID:** 47      **TRT#:** 3      **DOSE:** Viable Aspergillus fumigatus      **SEX:** Male      **REMOVAL DAY:** SD87  
**DISP:** Scheduled Removal (Terminal)      **HISTO:** 17917

**TISSUE STATUS**

**No Visible Lesions**

ADRENAL GLAND	AORTA	BONE MARROW	BONE, FEMUR
BRAIN	EPIDIDYMIS	ESOPHAGUS	EYE
GALLBLADDER	HARDERIAN GLAND	HEART	INTESTINE, LARGE, CECUM
INTESTINE, LARGE, COLON	INTESTINE, LARGE, RECTUM	INTESTINE, SMALL, DUODENUM	INTESTINE, SMALL, ILEUM
INTESTINE, SMALL, JEJUNUM	ISLETS, PANCREATIC	KIDNEY	LIVER
LYMPH NODE, MANDIBULAR	LYMPH NODE, MEDIASTINAL	LYMPH NODE, MESENTERIC	NOSE
PANCREAS	PARATHYROID GLAND	PITUITARY GLAND	PREPUTIAL GLAND
PROSTATE	SALIVARY GLANDS	SEMINAL VESICLE	SKIN
SPLEEN	STOMACH, FORESTOMACH	STOMACH, GLANDULAR	TESTES
THYMUS	THYROID GLAND	TRACHEA	URINARY BLADDER

**MISSING**

MAMMARY GLAND

**OBSERVATIONS**

AORTA			
Tissue Comment: negative for fungus with GMS			
GALLBLADDER			
Tissue Comment: negative for fungus with GMS			
HEART			
Tissue Comment: negative for fungus with GMS			
LARYNX	EPIGLOTTIS	METAPLASIA	SQUAMOUS, MINIMAL
LIVER			
Tissue Comment: negative for fungus with GMS			
LUNG	BALT, LYMPHOCYTE	HYPERPLASIA	MINIMAL
	BRONCHIOLE, EPITHELIUM	HYPERPLASIA	MINIMAL
	ARTERY, MEDIAL	HYPERTROPHY	MINIMAL
		INFLAMMATION	CHRONIC ACTIVE, MILD
	GOBLET CELL	METAPLASIA	MILD
LYMPH NODE, BRONCHIAL	LYMPHOCYTE	HYPERPLASIA	MINIMAL
SPLEEN			
Tissue Comment: negative for fungus with GMS			

**Study Number:** C08022  
**Test Type:** TOX  
**Route:** Nose-Only Inhalation  
**Species/Strain:** Mouse/B6C3F1/N

**PA14: Individual Animal Pathology Data**  
**Test Compound:** Aspergillus fumigatus mold  
**CAS Number:** ASPERGILLUS

**Date Report Requested:** 11/25/2019  
**Time Report Requested:** 13:20:19  
**Lab:** Battelle

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<b>ANIMAL ID:</b> 48	<b>TRT#:</b> 3	<b>DOSE:</b> Viable Aspergillus fumigatus	<b>SEX:</b> Male	<b>REMOVAL DAY:</b> SD87
			<b>DISP:</b> Scheduled Removal (Terminal)	<b>HISTO:</b> 17918

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**TISSUE STATUS**

**No Visible Lesions**

ADRENAL GLAND	AORTA	BONE MARROW	BONE, FEMUR
BRAIN	EPIDIDYMIS	ESOPHAGUS	EYE
GALLBLADDER	HARDERIAN GLAND	HEART	INTESTINE, LARGE, CECUM
INTESTINE, LARGE, COLON	INTESTINE, LARGE, RECTUM	INTESTINE, SMALL, DUODENUM	INTESTINE, SMALL, ILEUM
INTESTINE, SMALL, JEJUNUM	ISLETS, PANCREATIC	KIDNEY	LIVER
LYMPH NODE, BRONCHIAL	LYMPH NODE, MANDIBULAR	LYMPH NODE, MESENTERIC	NOSE
PANCREAS	PARATHYROID GLAND	PITUITARY GLAND	PREPUTIAL GLAND
PROSTATE	SALIVARY GLANDS	SEMINAL VESICLE	SKIN
SPLEEN	STOMACH, FORESTOMACH	STOMACH, GLANDULAR	TESTES
THYMUS	THYROID GLAND	TRACHEA	URINARY BLADDER

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**MISSING**

LYMPH NODE, MEDIASTINAL	MAMMARY GLAND
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**OBSERVATIONS**

AORTA			
Tissue Comment: negative for fungus with GMS			
GALLBLADDER			
Tissue Comment: negative for fungus with GMS			
HEART			
Tissue Comment: negative for fungus with GMS			
LARYNX	EPIGLOTTIS	METAPLASIA	SQUAMOUS, MINIMAL
LIVER			
Tissue Comment: negative for fungus with GMS			
LUNG	BALT, LYMPHOCYTE ARTERY, MEDIAL	HYPERPLASIA HYPERTROPHY INFLAMMATION	MINIMAL MINIMAL CHRONIC ACTIVE, MINIMAL
	GOBLET CELL ARTERY	METAPLASIA THROMBUS	MILD
LYMPH NODE, BRONCHIAL			
Tissue Comment: negative for fungus with GMS			
SPLEEN			
Tissue Comment: negative for fungus with GMS			

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**Study Number:** C08022  
**Test Type:** TOX  
**Route:** Nose-Only Inhalation  
**Species/Strain:** Mouse/B6C3F1/N

**PA14: Individual Animal Pathology Data**  
**Test Compound:** Aspergillus fumigatus mold  
**CAS Number:** ASPERGILLUS

**Date Report Requested:** 11/25/2019  
**Time Report Requested:** 13:20:19  
**Lab:** Battelle

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<b>ANIMAL ID:</b> 49	<b>TRT#:</b> 3	<b>DOSE:</b> Viable Aspergillus fumigatus	<b>SEX:</b> Male	<b>REMOVAL DAY:</b> SD87
			<b>DISP:</b> Scheduled Removal (Terminal)	<b>HISTO:</b> 17919

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**TISSUE STATUS**

**No Visible Lesions**

ADRENAL GLAND	AORTA	BONE MARROW	BONE, FEMUR
BRAIN	EPIDIDYMIS	ESOPHAGUS	EYE
GALLBLADDER	HARDERIAN GLAND	HEART	INTESTINE, LARGE, CECUM
INTESTINE, LARGE, COLON	INTESTINE, LARGE, RECTUM	INTESTINE, SMALL, DUODENUM	INTESTINE, SMALL, ILEUM
INTESTINE, SMALL, JEJUNUM	ISLETS, PANCREATIC	LYMPH NODE, MANDIBULAR	LYMPH NODE, MESENTERIC
NOSE	PANCREAS	PARATHYROID GLAND	PITUITARY GLAND
PREPUTIAL GLAND	PROSTATE	SALIVARY GLANDS	SEMINAL VESICLE
SKIN	SPLEEN	STOMACH, FORESTOMACH	STOMACH, GLANDULAR
TESTES	THYMUS	THYROID GLAND	TRACHEA
URINARY BLADDER			

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**MISSING**

LYMPH NODE, BRONCHIAL	LYMPH NODE, MEDIASTINAL	MAMMARY GLAND
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**OBSERVATIONS**

AORTA			
Tissue Comment: negative for fungus with GMS			
GALLBLADDER			
Tissue Comment: negative for fungus with GMS			
HEART			
Tissue Comment: negative for fungus with GMS			
KIDNEY		NEPHROPATHY	CHRONIC PROGRESSIVE, MINIMAL
LARYNX	EPIGLOTTIS	METAPLASIA	SQUAMOUS, MINIMAL
LIVER		INFLAMMATION	FOCAL, MINIMAL
LUNG	BALT, LYMPHOCYTE	HYPERPLASIA	MINIMAL
	BRONCHIOLE, EPITHELIUM	HYPERPLASIA	MINIMAL
	ARTERY, MEDIAL	HYPERTROPHY	MILD
		INFLAMMATION	CHRONIC ACTIVE, MODERATE
	GOBLET CELL	METAPLASIA	MILD
SPLEEN			
Tissue Comment: negative for fungus with GMS			

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**Study Number:** C08022  
**Test Type:** TOX  
**Route:** Nose-Only Inhalation  
**Species/Strain:** Mouse/B6C3F1/N

**PA14: Individual Animal Pathology Data**  
**Test Compound:** Aspergillus fumigatus mold  
**CAS Number:** ASPERGILLUS

**Date Report Requested:** 11/25/2019  
**Time Report Requested:** 13:20:19  
**Lab:** Battelle

**ANIMAL ID:** 50      **TRT#:** 3      **DOSE:** Viable Aspergillus fumigatus      **SEX:** Male      **REMOVAL DAY:** SD87  
**DISP:** Scheduled Removal (Terminal)      **HISTO:** 17920

**TISSUE STATUS**

**No Visible Lesions**

ADRENAL GLAND	AORTA	BONE MARROW	BONE, FEMUR
BRAIN	EPIDIDYMIS	ESOPHAGUS	EYE
GALLBLADDER	HARDERIAN GLAND	HEART	INTESTINE, LARGE, CECUM
INTESTINE, LARGE, COLON	INTESTINE, LARGE, RECTUM	INTESTINE, SMALL, DUODENUM	INTESTINE, SMALL, ILEUM
INTESTINE, SMALL, JEJUNUM	ISLETS, PANCREATIC	KIDNEY	LIVER
LYMPH NODE, MANDIBULAR	LYMPH NODE, MESENTERIC	NOSE	PANCREAS
PITUITARY GLAND	PREPUTIAL GLAND	PROSTATE	SALIVARY GLANDS
SEMINAL VESICLE	SKIN	SPLEEN	STOMACH, FORESTOMACH
STOMACH, GLANDULAR	TESTES	THYMUS	THYROID GLAND
TRACHEA	URINARY BLADDER		

**MISSING**

LYMPH NODE, MEDIASTINAL	MAMMARY GLAND	PARATHYROID GLAND
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**OBSERVATIONS**

AORTA			
Tissue Comment: negative for fungus with GMS			
GALLBLADDER			
Tissue Comment: negative for fungus with GMS			
HEART			
Tissue Comment: negative for fungus with GMS			
LARYNX	EPIGLOTTIS	METAPLASIA	SQUAMOUS, MINIMAL
LIVER			
Tissue Comment: negative for fungus with GMS			
LUNG	BALT, LYMPHOCYTE	HYPERPLASIA	MINIMAL
	BRONCHIOLE, EPITHELIUM	HYPERPLASIA	MINIMAL
	ARTERY, MEDIAL	HYPERTROPHY	MODERATE
		INFLAMMATION	CHRONIC ACTIVE, MODERATE
	GOBLET CELL	METAPLASIA	MILD
LYMPH NODE, BRONCHIAL	LYMPHOCYTE	HYPERPLASIA	MILD
	PLASMA CELL	HYPERPLASIA	MINIMAL
		INFLAMMATION	GRANULOMATOUS, MINIMAL
Observation Comment: Giant cells admixed with neutrophils			
SPLEEN			



**Study Number:** C08022

**Test Type:** TOX

**Route:** Nose-Only Inhalation

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

**PA14: Individual Animal Pathology Data**

**Test Compound:** Aspergillus fumigatus mold

**CAS Number:** ASPERGILLUS

**Date Report Requested:** 11/25/2019

**Time Report Requested:** 13:20:19

**Lab:** Battelle

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**ANIMAL ID:** 50

**TRT#:** 3

**DOSE:** Viable Aspergillus fumigatus

**SEX:** Male

**REMOVAL DAY:** SD87

**DISP:** Scheduled Removal (Terminal)

**HISTO:** 17920

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**TISSUE STATUS**

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Tissue Comment: negative for fungus with GMS

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**Study Number:** C08022  
**Test Type:** TOX  
**Route:** Nose-Only Inhalation  
**Species/Strain:** Mouse/B6C3F1/N

**PA14: Individual Animal Pathology Data**  
**Test Compound:** Aspergillus fumigatus mold  
**CAS Number:** ASPERGILLUS

**Date Report Requested:** 11/25/2019  
**Time Report Requested:** 13:20:19  
**Lab:** Battelle

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<b>ANIMAL ID:</b> 11	<b>TRT#:</b> 1	<b>DOSE:</b> Air Control	<b>SEX:</b> Female	<b>REMOVAL DAY:</b> SD87
			<b>DISP:</b> Scheduled Removal (Terminal)	<b>HISTO:</b> 17881

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**TISSUE STATUS**

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**No Visible Lesions**

ADRENAL GLAND	AORTA	BONE MARROW	BONE, FEMUR
BRAIN	CERVIX	CLITORAL GLAND	ESOPHAGUS
EYE	GALLBLADDER	HARDERIAN GLAND	HEART
INTESTINE, LARGE, CECUM	INTESTINE, LARGE, COLON	INTESTINE, LARGE, RECTUM	INTESTINE, SMALL, DUODENUM
INTESTINE, SMALL, ILEUM	INTESTINE, SMALL, JEJUNUM	ISLETS, PANCREATIC	KIDNEY
LARYNX	LIVER	LUNG	LYMPH NODE, MANDIBULAR
LYMPH NODE, MESENTERIC	MAMMARY GLAND	NOSE	OVARY
PANCREAS	PARATHYROID GLAND	PITUITARY GLAND	SALIVARY GLANDS
SKIN	SPLEEN	STOMACH, FORESTOMACH	STOMACH, GLANDULAR
THYMUS	THYROID GLAND	TRACHEA	URINARY BLADDER
UTERUS	VAGINA		

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**MISSING**

LYMPH NODE, BRONCHIAL	LYMPH NODE, MEDIASTINAL
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**OBSERVATIONS**

AORTA  
Tissue Comment: GMS stain negative for fungus

GALLBLADDER  
Tissue Comment: GMS staining negative for fungus

HEART  
Tissue Comment: GMS stain negative for fungus

LIVER  
Tissue Comment: GMS stain negative for fungus

SPLEEN  
Tissue Comment: GMS stain negative for fungus

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**Study Number:** C08022  
**Test Type:** TOX  
**Route:** Nose-Only Inhalation  
**Species/Strain:** Mouse/B6C3F1/N

**PA14: Individual Animal Pathology Data**  
**Test Compound:** Aspergillus fumigatus mold  
**CAS Number:** ASPERGILLUS

**Date Report Requested:** 11/25/2019  
**Time Report Requested:** 13:20:19  
**Lab:** Battelle

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**ANIMAL ID:** 12                      **TRT#:** 1                      **DOSE:** Air Control                      **SEX:** Female  
**DISP:** Scheduled Removal (Terminal)                      **REMOVAL DAY:** SD87  
**HISTO:** 17882

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**TISSUE STATUS**

**No Visible Lesions**

ADRENAL GLAND	AORTA	BONE MARROW	BONE, FEMUR
BRAIN	CERVIX	CLITORAL GLAND	ESOPHAGUS
EYE	GALLBLADDER	HARDERIAN GLAND	HEART
INTESTINE, LARGE, CECUM	INTESTINE, LARGE, COLON	INTESTINE, LARGE, RECTUM	INTESTINE, SMALL, DUODENUM
INTESTINE, SMALL, ILEUM	INTESTINE, SMALL, JEJUNUM	ISLETS, PANCREATIC	KIDNEY
LARYNX	LIVER	LUNG	LYMPH NODE, MANDIBULAR
LYMPH NODE, MESENTERIC	MAMMARY GLAND	NOSE	OVARY
PANCREAS	PARATHYROID GLAND	PITUITARY GLAND	SALIVARY GLANDS
SKIN	SPLEEN	STOMACH, FORESTOMACH	STOMACH, GLANDULAR
THYMUS	THYROID GLAND	TRACHEA	URINARY BLADDER
UTERUS	VAGINA		

**MISSING**

LYMPH NODE, MEDIASTINAL

**OBSERVATIONS**

AORTA

Tissue Comment: GMS staining negative for fungus

GALLBLADDER

Tissue Comment: GMS staining negative for fungus

HEART

Tissue Comment: GMS staining negative for fungus

LIVER

Tissue Comment: GMS staining negative for fungus

LUNG

Tissue Comment: GMS staining negative for fungus

LYMPH NODE, BRONCHIAL

PIGMENT

MINIMAL

SPLEEN

Tissue Comment: GMS staining negative for fungus

**Study Number:** C08022  
**Test Type:** TOX  
**Route:** Nose-Only Inhalation  
**Species/Strain:** Mouse/B6C3F1/N

**PA14: Individual Animal Pathology Data**  
**Test Compound:** Aspergillus fumigatus mold  
**CAS Number:** ASPERGILLUS

**Date Report Requested:** 11/25/2019  
**Time Report Requested:** 13:20:19  
**Lab:** Battelle

**ANIMAL ID:** 13      **TRT#:** 1      **DOSE:** Air Control      **SEX:** Female      **REMOVAL DAY:** SD87  
**DISP:** Scheduled Removal (Terminal)      **HISTO:** 17883

**TISSUE STATUS**

**No Visible Lesions**

AORTA	BONE MARROW	BONE, FEMUR	BRAIN
CERVIX	ESOPHAGUS	EYE	GALLBLADDER
HARDERIAN GLAND	HEART	INTESTINE, LARGE, CECUM	INTESTINE, LARGE, COLON
INTESTINE, LARGE, RECTUM	INTESTINE, SMALL, DUODENUM	INTESTINE, SMALL, ILEUM	INTESTINE, SMALL, JEJUNUM
ISLETS, PANCREATIC	KIDNEY	LARYNX	LUNG
LYMPH NODE, BRONCHIAL	LYMPH NODE, MANDIBULAR	LYMPH NODE, MESENTERIC	MAMMARY GLAND
NOSE	OVARY	PANCREAS	PARATHYROID GLAND
PITUITARY GLAND	SALIVARY GLANDS	SKIN	SPLEEN
STOMACH, FORESTOMACH	STOMACH, GLANDULAR	THYMUS	THYROID GLAND
TRACHEA	URINARY BLADDER	UTERUS	VAGINA

**MISSING**

CLITORAL GLAND      LYMPH NODE, MEDIASTINAL

**OBSERVATIONS**

ADRENAL GLAND	CORTEX, SUBCAPSULAR	HYPERPLASIA	BILATERAL, MINIMAL
AORTA	Tissue Comment: GMS staining negative for fungus		
GALLBLADDER	Tissue Comment: GMS staining negative for fungus		
HEART	Tissue Comment: GMS staining negative for fungus		
LIVER		INFLAMMATION	FOCAL, MINIMAL
LUNG	Tissue Comment: GMS staining negative for fungus		
LYMPH NODE, BRONCHIAL	Tissue Comment: GMS staining negative for fungus		
SPLEEN	Tissue Comment: GMS staining negative for fungus		

**Study Number:** C08022  
**Test Type:** TOX  
**Route:** Nose-Only Inhalation  
**Species/Strain:** Mouse/B6C3F1/N

**PA14: Individual Animal Pathology Data**  
**Test Compound:** Aspergillus fumigatus mold  
**CAS Number:** ASPERGILLUS

**Date Report Requested:** 11/25/2019  
**Time Report Requested:** 13:20:19  
**Lab:** Battelle

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<b>ANIMAL ID:</b> 14	<b>TRT#:</b> 1	<b>DOSE:</b> Air Control	<b>SEX:</b> Female	<b>REMOVAL DAY:</b> SD87
			<b>DISP:</b> Scheduled Removal (Terminal)	<b>HISTO:</b> 17884

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**TISSUE STATUS**

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**No Visible Lesions**

ADRENAL GLAND	AORTA	BONE MARROW	BONE, FEMUR
BRAIN	CERVIX	CLITORAL GLAND	ESOPHAGUS
EYE	GALLBLADDER	HARDERIAN GLAND	HEART
INTESTINE, LARGE, CECUM	INTESTINE, LARGE, COLON	INTESTINE, LARGE, RECTUM	INTESTINE, SMALL, DUODENUM
INTESTINE, SMALL, ILEUM	INTESTINE, SMALL, JEJUNUM	ISLETS, PANCREATIC	KIDNEY
LARYNX	LUNG	LYMPH NODE, BRONCHIAL	LYMPH NODE, MANDIBULAR
LYMPH NODE, MESENTERIC	MAMMARY GLAND	NOSE	OVARY
PANCREAS	PITUITARY GLAND	SALIVARY GLANDS	SKIN
SPLEEN	STOMACH, FORESTOMACH	STOMACH, GLANDULAR	THYMUS
THYROID GLAND	TRACHEA	URINARY BLADDER	UTERUS
VAGINA			

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**MISSING**

LYMPH NODE, MEDIASTINAL	PARATHYROID GLAND
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**OBSERVATIONS**

AORTA		
Tissue Comment: GMS staining negative for fungus		
GALLBLADDER		
Tissue Comment: GMS staining negative for fungus		
HEART		
Tissue Comment: GMS staining negative for fungus		
LIVER	INFLAMMATION	FOCAL, MINIMAL
LUNG		
Tissue Comment: GMS staining negative for fungus		
LYMPH NODE, BRONCHIAL		
Tissue Comment: GMS staining negative for fungus		
SPLEEN		
Tissue Comment: GMS staining negative for fungus		

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**Study Number:** C08022  
**Test Type:** TOX  
**Route:** Nose-Only Inhalation  
**Species/Strain:** Mouse/B6C3F1/N

**PA14: Individual Animal Pathology Data**  
**Test Compound:** Aspergillus fumigatus mold  
**CAS Number:** ASPERGILLUS

**Date Report Requested:** 11/25/2019  
**Time Report Requested:** 13:20:19  
**Lab:** Battelle

**ANIMAL ID:** 15                      **TRT#:** 1                      **DOSE:** Air Control                      **SEX:** Female                      **REMOVAL DAY:** SD87  
**DISP:** Scheduled Removal (Terminal)                      **HISTO:** 17885

**TISSUE STATUS**

**No Visible Lesions**

AORTA	BONE MARROW	BONE, FEMUR	BRAIN
CERVIX	CLITORAL GLAND	ESOPHAGUS	EYE
GALLBLADDER	HARDERIAN GLAND	HEART	INTESTINE, LARGE, CECUM
INTESTINE, LARGE, COLON	INTESTINE, LARGE, RECTUM	INTESTINE, SMALL, DUODENUM	INTESTINE, SMALL, ILEUM
INTESTINE, SMALL, JEJUNUM	ISLETS, PANCREATIC	KIDNEY	LARYNX
LUNG	LYMPH NODE, BRONCHIAL	LYMPH NODE, MANDIBULAR	LYMPH NODE, MESENTERIC
MAMMARY GLAND	NOSE	OVARY	PANCREAS
PARATHYROID GLAND	PITUITARY GLAND	SALIVARY GLANDS	SKIN
SPLEEN	STOMACH, FORESTOMACH	STOMACH, GLANDULAR	THYMUS
THYROID GLAND	TRACHEA	URINARY BLADDER	UTERUS
VAGINA			

**MISSING**

LYMPH NODE, MEDIASTINAL

**OBSERVATIONS**

ADRENAL GLAND	CORTEX, SUBCAPSULAR	HYPERPLASIA	BILATERAL, MINIMAL
AORTA			
Tissue Comment: GMS staining negative for fungus			
GALLBLADDER			
Tissue Comment: GMS staining negative for fungus			
HEART			
Tissue Comment: GMS staining negative for fungus			
LIVER		INFLAMMATION	FOCAL, MINIMAL
LUNG			
Tissue Comment: GMS staining negative for fungus			
LYMPH NODE, BRONCHIAL			
Tissue Comment: GMS staining negative for fungus			
SPLEEN			
Tissue Comment: GMS staining negative for fungus			

**Study Number:** C08022  
**Test Type:** TOX  
**Route:** Nose-Only Inhalation  
**Species/Strain:** Mouse/B6C3F1/N

**PA14: Individual Animal Pathology Data**  
**Test Compound:** Aspergillus fumigatus mold  
**CAS Number:** ASPERGILLUS

**Date Report Requested:** 11/25/2019  
**Time Report Requested:** 13:20:19  
**Lab:** Battelle

**ANIMAL ID:** 16                      **TRT#:** 1                      **DOSE:** Air Control                      **SEX:** Female                      **REMOVAL DAY:** SD87  
**DISP:** Scheduled Removal (Terminal)                      **HISTO:** 17886

**TISSUE STATUS**

**No Visible Lesions**

AORTA	BONE MARROW	BONE, FEMUR	BRAIN
CERVIX	CLITORAL GLAND	ESOPHAGUS	EYE
GALLBLADDER	HARDERIAN GLAND	HEART	INTESTINE, LARGE, CECUM
INTESTINE, LARGE, COLON	INTESTINE, LARGE, RECTUM	INTESTINE, SMALL, DUODENUM	INTESTINE, SMALL, ILEUM
INTESTINE, SMALL, JEJUNUM	ISLETS, PANCREATIC	KIDNEY	LARYNX
LUNG	LYMPH NODE, BRONCHIAL	LYMPH NODE, MANDIBULAR	LYMPH NODE, MESENTERIC
MAMMARY GLAND	NOSE	PANCREAS	PITUITARY GLAND
SALIVARY GLANDS	SKIN	SPLEEN	STOMACH, FORESTOMACH
STOMACH, GLANDULAR	THYMUS	THYROID GLAND	TRACHEA
URINARY BLADDER	UTERUS	VAGINA	

**MISSING**

LYMPH NODE, MEDIASTINAL                      PARATHYROID GLAND

**OBSERVATIONS**

ADRENAL GLAND	CORTEX, SUBCAPSULAR	HYPERPLASIA	BILATERAL, MINIMAL
AORTA			
Tissue Comment: GMS staining negative for fungus			
GALLBLADDER			
Tissue Comment: GMS staining negative for fungus			
HEART			
Tissue Comment: GMS staining negative for fungus			
LIVER		INFLAMMATION	FOCAL, MINIMAL
LUNG			
Tissue Comment: GMS staining negative for fungus			
LYMPH NODE, BRONCHIAL			
Tissue Comment: GMS staining negative for fungus			
OVARY	FOLLICLE	POLYOVULAR	
SPLEEN			
Tissue Comment: GMS staining negative for fungus			

**Study Number:** C08022  
**Test Type:** TOX  
**Route:** Nose-Only Inhalation  
**Species/Strain:** Mouse/B6C3F1/N

**PA14: Individual Animal Pathology Data**  
**Test Compound:** Aspergillus fumigatus mold  
**CAS Number:** ASPERGILLUS

**Date Report Requested:** 11/25/2019  
**Time Report Requested:** 13:20:19  
**Lab:** Battelle

**ANIMAL ID:** 17      **TRT#:** 1      **DOSE:** Air Control      **SEX:** Female      **REMOVAL DAY:** SD87  
**DISP:** Scheduled Removal (Terminal)      **HISTO:** 17887

**TISSUE STATUS**

**No Visible Lesions**

AORTA	BONE MARROW	BONE, FEMUR	BRAIN
CERVIX	CLITORAL GLAND	ESOPHAGUS	EYE
GALLBLADDER	HARDERIAN GLAND	HEART	INTESTINE, LARGE, CECUM
INTESTINE, LARGE, COLON	INTESTINE, LARGE, RECTUM	INTESTINE, SMALL, DUODENUM	INTESTINE, SMALL, ILEUM
INTESTINE, SMALL, JEJUNUM	ISLETS, PANCREATIC	KIDNEY	LARYNX
LUNG	LYMPH NODE, MANDIBULAR	LYMPH NODE, MESENTERIC	MAMMARY GLAND
NOSE	OVARY	PANCREAS	SALIVARY GLANDS
SKIN	SPLEEN	STOMACH, FORESTOMACH	STOMACH, GLANDULAR
THYMUS	TRACHEA	URINARY BLADDER	UTERUS
VAGINA			

**MISSING**

LYMPH NODE, BRONCHIAL	LYMPH NODE, MEDIASTINAL	PITUITARY GLAND
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**OBSERVATIONS**

ADRENAL GLAND	CORTEX, SUBCAPSULAR	HYPERPLASIA	BILATERAL, MINIMAL
AORTA			
Tissue Comment: GMS staining negative for fungus			
GALLBLADDER			
Tissue Comment: GMS staining negative for fungus			
HEART			
Tissue Comment: GMS staining negative for fungus			
LIVER		INFLAMMATION	FOCAL, MINIMAL
LUNG			
Tissue Comment: GMS staining negative for fungus			
LYMPH NODE, BRONCHIAL			
Tissue Comment: No section of lymph node on GMS stained section			
PARATHYROID GLAND		CYST	CONGENITAL
SPLEEN			
Tissue Comment: GMS staining negative for fungus			
THYROID GLAND	THYMUS	ECTOPIC TISSUE	



**Study Number:** C08022  
**Test Type:** TOX  
**Route:** Nose-Only Inhalation  
**Species/Strain:** Mouse/B6C3F1/N

**PA14: Individual Animal Pathology Data**  
**Test Compound:** Aspergillus fumigatus mold  
**CAS Number:** ASPERGILLUS

**Date Report Requested:** 11/25/2019  
**Time Report Requested:** 13:20:19  
**Lab:** Battelle

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<b>ANIMAL ID:</b> 18	<b>TRT#:</b> 1	<b>DOSE:</b> Air Control	<b>SEX:</b> Female	<b>REMOVAL DAY:</b> SD87
			<b>DISP:</b> Scheduled Removal (Terminal)	<b>HISTO:</b> 17888

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**TISSUE STATUS**

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**No Visible Lesions**

ADRENAL GLAND	AORTA	BONE MARROW	BONE, FEMUR
BRAIN	CERVIX	CLITORAL GLAND	ESOPHAGUS
EYE	GALLBLADDER	HARDERIAN GLAND	HEART
INTESTINE, LARGE, CECUM	INTESTINE, LARGE, COLON	INTESTINE, LARGE, RECTUM	INTESTINE, SMALL, DUODENUM
INTESTINE, SMALL, ILEUM	INTESTINE, SMALL, JEJUNUM	ISLETS, PANCREATIC	KIDNEY
LARYNX	LUNG	LYMPH NODE, BRONCHIAL	LYMPH NODE, MANDIBULAR
LYMPH NODE, MESENTERIC	MAMMARY GLAND	NOSE	OVARY
PANCREAS	PARATHYROID GLAND	PITUITARY GLAND	SALIVARY GLANDS
SKIN	SPLEEN	STOMACH, FORESTOMACH	STOMACH, GLANDULAR
THYMUS	THYROID GLAND	TRACHEA	URINARY BLADDER
UTERUS	VAGINA		

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**MISSING**

LYMPH NODE, MEDIASTINAL

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**OBSERVATIONS**

AORTA  
Tissue Comment: GMS staining negative for fungus

GALLBLADDER  
Tissue Comment: GMS staining negative for fungus

HEART  
Tissue Comment: GMS staining negative for fungus

LIVER  
INFLAMMATION  
FOCAL, MINIMAL

LUNG  
Tissue Comment: GMS staining negative for fungus

LYMPH NODE, BRONCHIAL  
Tissue Comment: GMS staining negative for fungus

SPLEEN  
Tissue Comment: GMS staining negative for fungus

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**Study Number:** C08022  
**Test Type:** TOX  
**Route:** Nose-Only Inhalation  
**Species/Strain:** Mouse/B6C3F1/N

**PA14: Individual Animal Pathology Data**  
**Test Compound:** Aspergillus fumigatus mold  
**CAS Number:** ASPERGILLUS

**Date Report Requested:** 11/25/2019  
**Time Report Requested:** 13:20:19  
**Lab:** Battelle

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<b>ANIMAL ID:</b> 19	<b>TRT#:</b> 1	<b>DOSE:</b> Air Control	<b>SEX:</b> Female	<b>REMOVAL DAY:</b> SD87
			<b>DISP:</b> Scheduled Removal (Terminal)	<b>HISTO:</b> 17889

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**TISSUE STATUS**

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**No Visible Lesions**

AORTA	BONE MARROW	BONE, FEMUR	BRAIN
CERVIX	CLITORAL GLAND	ESOPHAGUS	EYE
GALLBLADDER	HARDERIAN GLAND	HEART	INTESTINE, LARGE, CECUM
INTESTINE, LARGE, COLON	INTESTINE, LARGE, RECTUM	INTESTINE, SMALL, DUODENUM	INTESTINE, SMALL, ILEUM
INTESTINE, SMALL, JEJUNUM	ISLETS, PANCREATIC	LARYNX	LIVER
LUNG	LYMPH NODE, BRONCHIAL	LYMPH NODE, MANDIBULAR	LYMPH NODE, MESENTERIC
MAMMARY GLAND	NOSE	OVARY	PANCREAS
PARATHYROID GLAND	PITUITARY GLAND	SALIVARY GLANDS	SKIN
SPLEEN	STOMACH, FORESTOMACH	STOMACH, GLANDULAR	THYMUS
THYROID GLAND	TRACHEA	URINARY BLADDER	UTERUS
VAGINA			

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**MISSING**

LYMPH NODE, MEDIASTINAL

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**OBSERVATIONS**

ADRENAL GLAND	CORTEX, SUBCAPSULAR	HYPERPLASIA	BILATERAL, MINIMAL
AORTA			
Tissue Comment: GMS staining for fungus is negative			
GALLBLADDER			
Tissue Comment: GMS staining for fungus is negative			
HEART			
Tissue Comment: GMS staining for fungus is negative			
KIDNEY		NEPHROPATHY	CHRONIC PROGRESSIVE, MINIMAL
LIVER			
Tissue Comment: GMS staining for fungus is negative			
LUNG			
Tissue Comment: GMS staining for fungus is negative			
LYMPH NODE, BRONCHIAL			
Tissue Comment: GMS staining for fungus is negative			
SPLEEN			
Tissue Comment: GMS staining for fungus is negative			

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**Study Number:** C08022

**Test Type:** TOX

**Route:** Nose-Only Inhalation

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

**PA14: Individual Animal Pathology Data**

**Test Compound:** Aspergillus fumigatus mold

**CAS Number:** ASPERGILLUS

**Date Report Requested:** 11/25/2019

**Time Report Requested:** 13:20:19

**Lab:** Battelle

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<b>ANIMAL ID:</b> 20	<b>TRT#:</b> 1	<b>DOSE:</b> Air Control	<b>SEX:</b> Female <b>DISP:</b> Found Dead	<b>REMOVAL DAY:</b> SD73 <b>HISTO:</b> 17890
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**TISSUE STATUS**

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**No Visible Lesions**

AORTA	BONE MARROW	BONE, FEMUR	BRAIN
CERVIX	CLITORAL GLAND	ESOPHAGUS	EYE
GALLBLADDER	HARDERIAN GLAND	HEART	INTESTINE, LARGE, CECUM
INTESTINE, LARGE, COLON	INTESTINE, LARGE, RECTUM	INTESTINE, SMALL, DUODENUM	INTESTINE, SMALL, ILEUM
INTESTINE, SMALL, JEJUNUM	ISLETS, PANCREATIC	KIDNEY	LARYNX
LUNG	LYMPH NODE, BRONCHIAL	LYMPH NODE, MANDIBULAR	LYMPH NODE, MEDIASTINAL
LYMPH NODE, MESENTERIC	MAMMARY GLAND	NOSE	PANCREAS
PARATHYROID GLAND	PITUITARY GLAND	SALIVARY GLANDS	SKIN
SPLEEN	STOMACH, FORESTOMACH	STOMACH, GLANDULAR	THYMUS
THYROID GLAND	TRACHEA	URINARY BLADDER	UTERUS
VAGINA			

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**OBSERVATIONS**

ADRENAL GLAND	CORTEX, SUBCAPSULAR	HYPERPLASIA	BILATERAL, MINIMAL
AORTA			
Tissue Comment: GMS staining for fungus is negative			
GALLBLADDER			
Tissue Comment: GMS staining for fungus is negative			
HEART			
Tissue Comment: GMS staining for fungus is negative			
LIVER		INFLAMMATION	FOCAL, MINIMAL
LUNG			
Tissue Comment: GMS staining for fungus is negative			
LYMPH NODE, BRONCHIAL			
Tissue Comment: GMS staining for fungus is negative			
OVARY	FOLLICLE	POLYOVULAR	
SPLEEN			
Tissue Comment: GMS staining for fungus is negative			

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**PRIMARY CAUSE OF DEATH** - UNDETERMINED

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**Study Number:** C08022  
**Test Type:** TOX  
**Route:** Nose-Only Inhalation  
**Species/Strain:** Mouse/B6C3F1/N

**PA14: Individual Animal Pathology Data**  
**Test Compound:** Aspergillus fumigatus mold  
**CAS Number:** ASPERGILLUS

**Date Report Requested:** 11/25/2019  
**Time Report Requested:** 13:20:19  
**Lab:** Battelle

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**ANIMAL ID:** 31                      **TRT#:** 2                      **DOSE:** Heat Inactivated Particle Control   **SEX:** Female                      **REMOVAL DAY:** SD87  
**DISP:** Scheduled Removal (Terminal)                      **HISTO:** 17901

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**TISSUE STATUS**

**No Visible Lesions**

ADRENAL GLAND	AORTA	BONE MARROW	BONE, FEMUR
BRAIN	CERVIX	CLITORAL GLAND	ESOPHAGUS
EYE	GALLBLADDER	HARDERIAN GLAND	HEART
INTESTINE, LARGE, CECUM	INTESTINE, LARGE, COLON	INTESTINE, LARGE, RECTUM	INTESTINE, SMALL, DUODENUM
INTESTINE, SMALL, ILEUM	INTESTINE, SMALL, JEJUNUM	ISLETS, PANCREATIC	KIDNEY
LARYNX	LYMPH NODE, BRONCHIAL	LYMPH NODE, MANDIBULAR	LYMPH NODE, MESENTERIC
NOSE	OVARY	PANCREAS	PARATHYROID GLAND
PITUITARY GLAND	SALIVARY GLANDS	SKIN	SPLEEN
STOMACH, FORESTOMACH	STOMACH, GLANDULAR	THYMUS	THYROID GLAND
TRACHEA	URINARY BLADDER	UTERUS	VAGINA

**MISSING**

LYMPH NODE, MEDIASTINAL	MAMMARY GLAND
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**OBSERVATIONS**

AORTA			
Tissue Comment: GMS staining is negative for fungus			
GALLBLADDER			
Tissue Comment: GMS staining is negative for fungus			
HEART			
Tissue Comment: GMS staining is negative for fungus			
LIVER		INFLAMMATION	FOCAL, MINIMAL
LUNG	BALT, LYMPHOCYTE	HYPERPLASIA	MINIMAL
		INFLAMMATION	CHRONIC, MILD
LYMPH NODE, BRONCHIAL			
Tissue Comment: GMS stain is negative for fungus			
SPLEEN			
Tissue Comment: GMS staining is negative for fungus			

**Study Number:** C08022  
**Test Type:** TOX  
**Route:** Nose-Only Inhalation  
**Species/Strain:** Mouse/B6C3F1/N

**PA14: Individual Animal Pathology Data**  
**Test Compound:** Aspergillus fumigatus mold  
**CAS Number:** ASPERGILLUS

**Date Report Requested:** 11/25/2019  
**Time Report Requested:** 13:20:19  
**Lab:** Battelle

**ANIMAL ID:** 32      **TRT#:** 2      **DOSE:** Heat Inactivated Particle Control      **SEX:** Female      **REMOVAL DAY:** SD87  
**DISP:** Scheduled Removal (Terminal)      **HISTO:** 17902

**TISSUE STATUS**

**No Visible Lesions**

AORTA	BONE MARROW	BONE, FEMUR	BRAIN
CERVIX	CLITORAL GLAND	ESOPHAGUS	EYE
GALLBLADDER	HARDERIAN GLAND	HEART	INTESTINE, LARGE, CECUM
INTESTINE, LARGE, COLON	INTESTINE, LARGE, RECTUM	INTESTINE, SMALL, DUODENUM	INTESTINE, SMALL, ILEUM
INTESTINE, SMALL, JEJUNUM	ISLETS, PANCREATIC	KIDNEY	LARYNX
LIVER	LYMPH NODE, MANDIBULAR	LYMPH NODE, MESENTERIC	MAMMARY GLAND
NOSE	OVARY	PANCREAS	PITUITARY GLAND
SALIVARY GLANDS	SKIN	SPLEEN	STOMACH, FORESTOMACH
STOMACH, GLANDULAR	THYMUS	THYROID GLAND	TRACHEA
URINARY BLADDER	UTERUS	VAGINA	

**MISSING**

LYMPH NODE, MEDIASTINAL

**OBSERVATIONS**

ADRENAL GLAND	CAPSULE CORTEX, SUBCAPSULAR	ACCESSORY ADRENAL CORTICAL NODULE HYPERPLASIA	MINIMAL
AORTA			
Tissue Comment: GMS staining for fungus negative			
GALLBLADDER			
Tissue Comment: GMS staining for fungus is negative			
HEART			
Tissue Comment: GMS staining for fungus is negative			
LIVER			
Tissue Comment: GMS staining for fungus is negative			
LUNG	BALT, LYMPHOCYTE	HYPERPLASIA INFLAMMATION	MINIMAL CHRONIC, MILD
LYMPH NODE, BRONCHIAL	LYMPHOCYTE	HYPERPLASIA	MINIMAL
PARATHYROID GLAND	THYMUS	ECTOPIC TISSUE	
SPLEEN			
Tissue Comment: GMS staining for fungus is negative			

**Study Number:** C08022

**Test Type:** TOX

**Route:** Nose-Only Inhalation

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

**PA14: Individual Animal Pathology Data**

**Test Compound:** Aspergillus fumigatus mold

**CAS Number:** ASPERGILLUS

**Date Report Requested:** 11/25/2019

**Time Report Requested:** 13:20:19

**Lab:** Battelle

**ANIMAL ID:** 33

**TRT#:** 2

**DOSE:** Heat Inactivated Particle Control **SEX:** Female

**REMOVAL DAY:** SD87

**DISP:** Scheduled Removal (Terminal)

**HISTO:** 17903

**TISSUE STATUS**

**No Visible Lesions**

AORTA	BONE MARROW	BONE, FEMUR	BRAIN
CERVIX	CLITORAL GLAND	ESOPHAGUS	EYE
GALLBLADDER	HARDERIAN GLAND	HEART	INTESTINE, LARGE, CECUM
INTESTINE, LARGE, COLON	INTESTINE, LARGE, RECTUM	INTESTINE, SMALL, DUODENUM	INTESTINE, SMALL, ILEUM
INTESTINE, SMALL, JEJUNUM	ISLETS, PANCREATIC	LARYNX	LIVER
LUNG	LYMPH NODE, BRONCHIAL	LYMPH NODE, MANDIBULAR	LYMPH NODE, MESENTERIC
MAMMARY GLAND	NOSE	OVARY	PANCREAS
PARATHYROID GLAND	PITUITARY GLAND	SALIVARY GLANDS	SKIN
STOMACH, FORESTOMACH	STOMACH, GLANDULAR	THYMUS	THYROID GLAND
TRACHEA	URINARY BLADDER	UTERUS	VAGINA

**MISSING**

LYMPH NODE, MEDIASTINAL

**OBSERVATIONS**

ADRENAL GLAND	CORTEX, SUBCAPSULAR	HYPERPLASIA	BILATERAL, MINIMAL
AORTA			
Tissue Comment: GMS staining for fungus is negative			
GALLBLADDER			
Tissue Comment: GMS staining for fungus is negative			
HEART			
Tissue Comment: GMS staining for fungus is negative			
KIDNEY		NEPHROPATHY	CHRONIC PROGRESSIVE, MINIMAL
LIVER			
Tissue Comment: GMS staining for fungus is negative			
LUNG			
Tissue Comment: GMS staining for fungus is negative			
LYMPH NODE, BRONCHIAL			
Tissue Comment: GMS staining for fungus is negative			
SPLEEN		INCREASED, EMH	MINIMAL

**Study Number:** C08022  
**Test Type:** TOX  
**Route:** Nose-Only Inhalation  
**Species/Strain:** Mouse/B6C3F1/N

**PA14: Individual Animal Pathology Data**  
**Test Compound:** Aspergillus fumigatus mold  
**CAS Number:** ASPERGILLUS

**Date Report Requested:** 11/25/2019  
**Time Report Requested:** 13:20:19  
**Lab:** Battelle

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<b>ANIMAL ID:</b> 34	<b>TRT#:</b> 2	<b>DOSE:</b> Heat Inactivated Particle Control	<b>SEX:</b> Female	<b>REMOVAL DAY:</b> SD87
			<b>DISP:</b> Scheduled Removal (Terminal)	<b>HISTO:</b> 17904

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**TISSUE STATUS**

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**No Visible Lesions**

ADRENAL GLAND	AORTA	BONE MARROW	BONE, FEMUR
BRAIN	CERVIX	CLITORAL GLAND	ESOPHAGUS
EYE	GALLBLADDER	HARDERIAN GLAND	HEART
INTESTINE, LARGE, CECUM	INTESTINE, LARGE, COLON	INTESTINE, LARGE, RECTUM	INTESTINE, SMALL, DUODENUM
INTESTINE, SMALL, ILEUM	INTESTINE, SMALL, JEJUNUM	ISLETS, PANCREATIC	KIDNEY
LARYNX	LIVER	LUNG	LYMPH NODE, BRONCHIAL
LYMPH NODE, MANDIBULAR	LYMPH NODE, MEDIASTINAL	LYMPH NODE, MESENTERIC	MAMMARY GLAND
NOSE	OVARY	PANCREAS	PITUITARY GLAND
SALIVARY GLANDS	SKIN	STOMACH, FORESTOMACH	STOMACH, GLANDULAR
THYMUS	THYROID GLAND	TRACHEA	URINARY BLADDER
VAGINA			

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**MISSING**

PARATHYROID GLAND

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**OBSERVATIONS**

AORTA			
Tissue Comment: GMS staining for fungus is negative			
GALLBLADDER			
Tissue Comment: GMS staining for fungus is negative			
HEART			
Tissue Comment: GMS staining for fungus is negative			
LIVER			
Tissue Comment: GMS staining for fungus is negative			
LUNG			
Tissue Comment: GMS staining for fungus is negative			
LYMPH NODE, BRONCHIAL			
Tissue Comment: GMS staining for fungus is negative			
SPLEEN		INCREASED, EMH	MINIMAL
UTERUS	ENDOMETRIUM	HYPERPLASIA	CYSTIC, MINIMAL

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**Study Number:** C08022  
**Test Type:** TOX  
**Route:** Nose-Only Inhalation  
**Species/Strain:** Mouse/B6C3F1/N

**PA14: Individual Animal Pathology Data**  
**Test Compound:** Aspergillus fumigatus mold  
**CAS Number:** ASPERGILLUS

**Date Report Requested:** 11/25/2019  
**Time Report Requested:** 13:20:19  
**Lab:** Battelle

**ANIMAL ID:** 35      **TRT#:** 2      **DOSE:** Heat Inactivated Particle Control      **SEX:** Female      **REMOVAL DAY:** SD87  
**DISP:** Scheduled Removal (Terminal)      **HISTO:** 17905

**TISSUE STATUS**

**No Visible Lesions**

AORTA	BONE MARROW	BONE, FEMUR	BRAIN
CERVIX	CLITORAL GLAND	ESOPHAGUS	EYE
GALLBLADDER	HARDERIAN GLAND	HEART	INTESTINE, LARGE, CECUM
INTESTINE, LARGE, COLON	INTESTINE, LARGE, RECTUM	INTESTINE, SMALL, DUODENUM	INTESTINE, SMALL, ILEUM
INTESTINE, SMALL, JEJUNUM	ISLETS, PANCREATIC	KIDNEY	LYMPH NODE, BRONCHIAL
LYMPH NODE, MANDIBULAR	LYMPH NODE, MESENTERIC	MAMMARY GLAND	NOSE
OVARY	PANCREAS	PARATHYROID GLAND	PITUITARY GLAND
SALIVARY GLANDS	SKIN	SPLEEN	STOMACH, FORESTOMACH
STOMACH, GLANDULAR	THYMUS	THYROID GLAND	TRACHEA
URINARY BLADDER	VAGINA		

**INSUFFICIENT TISSUE TO EVALUATE**

LARYNX

**MISSING**

LYMPH NODE, MEDIASTINAL

**OBSERVATIONS**

ADRENAL GLAND	CORTEX, SUBCAPSULAR	HYPERPLASIA	BILATERAL, MINIMAL
AORTA			
Tissue Comment: GMS staining for fungus is negative			
GALLBLADDER			
Tissue Comment: GMS staining for fungus is negative			
HEART			
Tissue Comment: GMS staining for fungus is negative			
LIVER		INFLAMMATION	FOCAL, MINIMAL
LUNG	BALT, LYMPHOCYTE	HYPERPLASIA	MINIMAL
		INFLAMMATION	CHRONIC, MILD
LYMPH NODE, BRONCHIAL			
Tissue Comment: GMS staining for fungus is negative			
SPLEEN			
Tissue Comment: GMS staining for fungus is negative			
UTERUS	ENDOMETRIUM	HYPERPLASIA	CYSTIC, MINIMAL



**Study Number:** C08022  
**Test Type:** TOX  
**Route:** Nose-Only Inhalation  
**Species/Strain:** Mouse/B6C3F1/N

**PA14: Individual Animal Pathology Data**  
**Test Compound:** Aspergillus fumigatus mold  
**CAS Number:** ASPERGILLUS

**Date Report Requested:** 11/25/2019  
**Time Report Requested:** 13:20:19  
**Lab:** Battelle

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**ANIMAL ID:** 36                      **TRT#:** 2                      **DOSE:** Heat Inactivated Particle Control   **SEX:** Female                      **REMOVAL DAY:** SD87  
**DISP:** Scheduled Removal (Terminal)                      **HISTO:** 17906

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**TISSUE STATUS**

**No Visible Lesions**

ADRENAL GLAND	AORTA	BONE MARROW	BONE, FEMUR
BRAIN	CERVIX	CLITORAL GLAND	ESOPHAGUS
EYE	GALLBLADDER	HARDERIAN GLAND	HEART
INTESTINE, LARGE, CECUM	INTESTINE, LARGE, COLON	INTESTINE, LARGE, RECTUM	INTESTINE, SMALL, DUODENUM
INTESTINE, SMALL, ILEUM	INTESTINE, SMALL, JEJUNUM	ISLETS, PANCREATIC	KIDNEY
LARYNX	LYMPH NODE, BRONCHIAL	LYMPH NODE, MANDIBULAR	LYMPH NODE, MESENTERIC
MAMMARY GLAND	NOSE	OVARY	PANCREAS
PARATHYROID GLAND	PITUITARY GLAND	SALIVARY GLANDS	SKIN
SPLEEN	STOMACH, FORESTOMACH	STOMACH, GLANDULAR	THYMUS
THYROID GLAND	TRACHEA	URINARY BLADDER	UTERUS
VAGINA			

**MISSING**

LYMPH NODE, MEDIASTINAL

**OBSERVATIONS**

AORTA

Tissue Comment: GMS staining for fungus is negative

GALLBLADDER

Tissue Comment: GMS staining for fungus is negative

HEART

Tissue Comment: GMS staining for fungus is negative

LIVER

LUNG

BALT

BALT, LYMPHOCYTE

BRONCHIOLE, EPITHELIUM

GOBLET CELL

INFLAMMATION

FUNGUS

HYPERPLASIA

HYPERPLASIA

INFLAMMATION

METAPLASIA

FOCAL, MINIMAL

MINIMAL

MINIMAL

CHRONIC ACTIVE, MODERATE

MINIMAL

Observation Comment: 5 GMS

LYMPH NODE, BRONCHIAL

Tissue Comment: GMS staining for fungus is negative

SPLEEN

Tissue Comment: GMS staining for fungus is negative





Study Number: C08022

Test Type: TOX

Route: Nose-Only Inhalation

Species/Strain: Mouse/B6C3F1/N

PA14: Individual Animal Pathology Data

Test Compound: Aspergillus fumigatus mold

CAS Number: ASPERGILLUS

Date Report Requested: 11/25/2019

Time Report Requested: 13:20:19

Lab: Battelle

ANIMAL ID: 39

TRT#: 2

DOSE: Heat Inactivated Particle Control

SEX: Female

REMOVAL DAY: SD84

DISP: Found Dead

HISTO: 17909

TISSUE STATUS

No Visible Lesions

AORTA	BONE MARROW	BONE, FEMUR	BRAIN
CERVIX	ESOPHAGUS	EYE	GALLBLADDER
HEART	INTESTINE, LARGE, CECUM	INTESTINE, LARGE, COLON	INTESTINE, LARGE, RECTUM
INTESTINE, SMALL, DUODENUM	INTESTINE, SMALL, ILEUM	ISLETS, PANCREATIC	KIDNEY
LARYNX	LIVER	LYMPH NODE, BRONCHIAL	LYMPH NODE, MANDIBULAR
LYMPH NODE, MESENTERIC	MAMMARY GLAND	NOSE	OVARY
PANCREAS	PARATHYROID GLAND	PITUITARY GLAND	SALIVARY GLANDS
SKIN	SPLEEN	STOMACH, FORESTOMACH	STOMACH, GLANDULAR
THYMUS	THYROID GLAND	TRACHEA	URINARY BLADDER
UTERUS	VAGINA		

AUTOLYSIS PRECLUDES EVALUATION

INTESTINE, SMALL, JEJUNUM

MISSING

ADRENAL GLAND	CLITORAL GLAND	HARDERIAN GLAND	LYMPH NODE, MEDIASTINAL
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OBSERVATIONS

AORTA			
Tissue Comment: GMS staining is negative for fungus			
GALLBLADDER			
Tissue Comment: GMS staining is negative for fungus			
HEART			
Tissue Comment: GMS staining is negative for fungus			
LIVER			
Tissue Comment: GMS staining is negative for fungus			
LUNG		CONGESTION	MINIMAL
	BALT, LYMPHOCYTE	HYPERPLASIA	MINIMAL
		INFLAMMATION	CHRONIC, MINIMAL
Tissue Comment: TGL 1- 5; GMS staining is negative for fungus			
[ CONGESTION TGLS = TGL1- ]			
LYMPH NODE, BRONCHIAL			
Tissue Comment: GMS staining is negative for fungus			
SPLEEN			
Tissue Comment: GMS staining is negative for fungus			

**Study Number:** C08022

**Test Type:** TOX

**Route:** Nose-Only Inhalation

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

**PA14: Individual Animal Pathology Data**

**Test Compound:** Aspergillus fumigatus mold

**CAS Number:** ASPERGILLUS

**Date Report Requested:** 11/25/2019

**Time Report Requested:** 13:20:19

**Lab:** Battelle

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**ANIMAL ID:** 39

**TRT#:** 2

**DOSE:** Heat Inactivated Particle Control

**SEX:** Female

**REMOVAL DAY:** SD84

**DISP:** Found Dead

**HISTO:** 17909

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**TISSUE STATUS**

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PRIMARY CAUSE OF DEATH

- UNDETERMINED

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Study Number: C08022

Test Type: TOX

Route: Nose-Only Inhalation

Species/Strain: Mouse/B6C3F1/N

PA14: Individual Animal Pathology Data

Test Compound: Aspergillus fumigatus mold

CAS Number: ASPERGILLUS

Date Report Requested: 11/25/2019

Time Report Requested: 13:20:19

Lab: Battelle

ANIMAL ID: 40

TRT#: 2

DOSE: Heat Inactivated Particle Control SEX: Female

REMOVAL DAY: SD87

DISP: Scheduled Removal (Terminal)

HISTO: 17910

TISSUE STATUS

No Visible Lesions

AORTA	BONE MARROW	BONE, FEMUR	BRAIN
CERVIX	CLITORAL GLAND	ESOPHAGUS	EYE
GALLBLADDER	HARDERIAN GLAND	HEART	INTESTINE, LARGE, CECUM
INTESTINE, LARGE, COLON	INTESTINE, LARGE, RECTUM	INTESTINE, SMALL, DUODENUM	INTESTINE, SMALL, ILEUM
INTESTINE, SMALL, JEJUNUM	ISLETS, PANCREATIC	KIDNEY	LIVER
LYMPH NODE, BRONCHIAL	LYMPH NODE, MANDIBULAR	LYMPH NODE, MEDIASTINAL	LYMPH NODE, MESENTERIC
MAMMARY GLAND	NOSE	OVARY	PANCREAS
PARATHYROID GLAND	PITUITARY GLAND	SALIVARY GLANDS	SKIN
SPLEEN	STOMACH, FORESTOMACH	STOMACH, GLANDULAR	THYMUS
THYROID GLAND	TRACHEA	URINARY BLADDER	UTERUS
VAGINA			

OBSERVATIONS

ADRENAL GLAND	CORTEX, SUBCAPSULAR	HYPERPLASIA	BILATERAL, MINIMAL
AORTA			
Tissue Comment: GMS staining is negative for fungus			
GALLBLADDER			
Tissue Comment: GMS staining is negative for fungus			
HEART			
Tissue Comment: GMS staining is negative for fungus			
LARYNX	EPIGLOTTIS	METAPLASIA	SQUAMOUS, MINIMAL
LIVER			
Tissue Comment: GMS staining is negative for fungus			
LUNG	BALT, LYMPHOCYTE	HYPERPLASIA INFLAMMATION	MINIMAL CHRONIC, MILD
LYMPH NODE, BRONCHIAL			
Tissue Comment: GMS staining is negative for fungus			
SPLEEN			
Tissue Comment: GMS staining is negative for fungus			

**Study Number:** C08022  
**Test Type:** TOX  
**Route:** Nose-Only Inhalation  
**Species/Strain:** Mouse/B6C3F1/N

**PA14: Individual Animal Pathology Data**  
**Test Compound:** Aspergillus fumigatus mold  
**CAS Number:** ASPERGILLUS

**Date Report Requested:** 11/25/2019  
**Time Report Requested:** 13:20:19  
**Lab:** Battelle

**ANIMAL ID:** 51      **TRT#:** 3      **DOSE:** Viable Aspergillus fumigatus      **SEX:** Female      **REMOVAL DAY:** SD87  
**DISP:** Scheduled Removal (Terminal)      **HISTO:** 17921

**TISSUE STATUS**

**No Visible Lesions**

AORTA	BONE MARROW	BONE, FEMUR	BRAIN
CERVIX	ESOPHAGUS	EYE	GALLBLADDER
HARDERIAN GLAND	HEART	INTESTINE, LARGE, CECUM	INTESTINE, LARGE, COLON
INTESTINE, LARGE, RECTUM	INTESTINE, SMALL, DUODENUM	INTESTINE, SMALL, ILEUM	INTESTINE, SMALL, JEJUNUM
ISLETS, PANCREATIC	LYMPH NODE, MANDIBULAR	LYMPH NODE, MESENTERIC	MAMMARY GLAND
NOSE	OVARY	PANCREAS	PARATHYROID GLAND
PITUITARY GLAND	SALIVARY GLANDS	SKIN	SPLEEN
STOMACH, FORESTOMACH	STOMACH, GLANDULAR	THYMUS	THYROID GLAND
TRACHEA	URINARY BLADDER	UTERUS	VAGINA

**MISSING**

CLITORAL GLAND      LYMPH NODE, MEDIASTINAL

**OBSERVATIONS**

ADRENAL GLAND	CORTEX, SUBCAPSULAR	HYPERPLASIA	BILATERAL, MINIMAL
AORTA			
Tissue Comment: GMS staining negative for fungus			
GALLBLADDER			
Tissue Comment: GMS staining negative for fungus			
HEART			
Tissue Comment: Abundant background staining; no definitive staining of fungus with GMS			
KIDNEY		NEPHROPATHY	CHRONIC PROGRESSIVE, MINIMAL
LARYNX	EPIGLOTTIS	METAPLASIA	SQUAMOUS, MINIMAL
LIVER		INFLAMMATION	FOCAL, MINIMAL
LUNG		FUNGUS	
	BALT, LYMPHOCYTE	HYPERPLASIA	MINIMAL
	BRONCHIOLE, EPITHELIUM	HYPERPLASIA	MINIMAL
	ARTERY, MEDIAL	HYPERTROPHY	MODERATE
		INFLAMMATION	CHRONIC ACTIVE, MODERATE
	GOBLET CELL	METAPLASIA	MINIMAL
Observation Comment: 5 GMS			
LYMPH NODE, BRONCHIAL	LYMPHOCYTE	HYPERPLASIA	MILD
	PLASMA CELL	HYPERPLASIA	MINIMAL
SPLEEN			

**Study Number:** C08022

**Test Type:** TOX

**Route:** Nose-Only Inhalation

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

**PA14: Individual Animal Pathology Data**

**Test Compound:** Aspergillus fumigatus mold

**CAS Number:** ASPERGILLUS

**Date Report Requested:** 11/25/2019

**Time Report Requested:** 13:20:19

**Lab:** Battelle

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**ANIMAL ID:** 51

**TRT#:** 3

**DOSE:** Viable Aspergillus fumigatus

**SEX:** Female

**REMOVAL DAY:** SD87

**DISP:** Scheduled Removal (Terminal)

**HISTO:** 17921

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**TISSUE STATUS**

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Tissue Comment: GMS staining negative for fungus

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**Study Number:** C08022  
**Test Type:** TOX  
**Route:** Nose-Only Inhalation  
**Species/Strain:** Mouse/B6C3F1/N

**PA14: Individual Animal Pathology Data**  
**Test Compound:** Aspergillus fumigatus mold  
**CAS Number:** ASPERGILLUS

**Date Report Requested:** 11/25/2019  
**Time Report Requested:** 13:20:19  
**Lab:** Battelle

**ANIMAL ID:** 52      **TRT#:** 3      **DOSE:** Viable Aspergillus fumigatus      **SEX:** Female      **REMOVAL DAY:** SD87  
**DISP:** Scheduled Removal (Terminal)      **HISTO:** 17922

**TISSUE STATUS**

**No Visible Lesions**

AORTA	BONE MARROW	BONE, FEMUR	BRAIN
CERVIX	CLITORAL GLAND	ESOPHAGUS	EYE
HARDERIAN GLAND	HEART	INTESTINE, LARGE, CECUM	INTESTINE, LARGE, COLON
INTESTINE, LARGE, RECTUM	INTESTINE, SMALL, DUODENUM	INTESTINE, SMALL, ILEUM	INTESTINE, SMALL, JEJUNUM
ISLETS, PANCREATIC	KIDNEY	LYMPH NODE, BRONCHIAL	LYMPH NODE, MANDIBULAR
LYMPH NODE, MESENTERIC	MAMMARY GLAND	NOSE	PANCREAS
PARATHYROID GLAND	PITUITARY GLAND	SALIVARY GLANDS	SKIN
SPLEEN	STOMACH, FORESTOMACH	STOMACH, GLANDULAR	THYMUS
THYROID GLAND	TRACHEA	URINARY BLADDER	UTERUS
VAGINA			

**MISSING**

GALLBLADDER      LYMPH NODE, MEDIASTINAL

**OBSERVATIONS**

ADRENAL GLAND	CORTEX, SUBCAPSULAR	HYPERPLASIA	BILATERAL, MINIMAL
AORTA			
Tissue Comment: GMS staining negative for fungus			
GALLBLADDER			
Tissue Comment: No section on GMS stained slide			
HEART			
Tissue Comment: GMS staining negative for fungus			
LARYNX	EPIGLOTTIS	METAPLASIA	SQUAMOUS, MINIMAL
LIVER		INFLAMMATION	FOCAL, MINIMAL
LUNG		FUNGUS	
	BALT, LYMPHOCYTE	HYPERPLASIA	MILD
	BRONCHIOLE, EPITHELIUM	HYPERPLASIA	MINIMAL
	ARTERY, MEDIAL	HYPERTROPHY	MODERATE
		INFLAMMATION	CHRONIC ACTIVE, MODERATE
	GOBLET CELL	METAPLASIA	MILD
Observation Comment: 5 GMS			
LYMPH NODE, BRONCHIAL			
Tissue Comment: GMS staining negative for fungus			
OVARY	FOLLICLE	POLYOVULAR	

**Study Number:** C08022

**Test Type:** TOX

**Route:** Nose-Only Inhalation

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

**PA14: Individual Animal Pathology Data**

**Test Compound:** Aspergillus fumigatus mold

**CAS Number:** ASPERGILLUS

**Date Report Requested:** 11/25/2019

**Time Report Requested:** 13:20:19

**Lab:** Battelle

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**ANIMAL ID:** 52

**TRT#:** 3

**DOSE:** Viable Aspergillus fumigatus

**SEX:** Female

**REMOVAL DAY:** SD87

**DISP:** Scheduled Removal (Terminal)

**HISTO:** 17922

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**TISSUE STATUS**

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SPLEEN

Tissue Comment: GMS staining for fungus negative

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**Study Number:** C08022  
**Test Type:** TOX  
**Route:** Nose-Only Inhalation  
**Species/Strain:** Mouse/B6C3F1/N

**PA14: Individual Animal Pathology Data**  
**Test Compound:** Aspergillus fumigatus mold  
**CAS Number:** ASPERGILLUS

**Date Report Requested:** 11/25/2019  
**Time Report Requested:** 13:20:19  
**Lab:** Battelle

**ANIMAL ID:** 53      **TRT#:** 3      **DOSE:** Viable Aspergillus fumigatus      **SEX:** Female      **REMOVAL DAY:** SD87  
**DISP:** Scheduled Removal (Terminal)      **HISTO:** 17923

**TISSUE STATUS**

**No Visible Lesions**

AORTA	BONE MARROW	BONE, FEMUR	BRAIN
CERVIX	CLITORAL GLAND	ESOPHAGUS	EYE
GALLBLADDER	HARDERIAN GLAND	HEART	INTESTINE, LARGE, CECUM
INTESTINE, LARGE, COLON	INTESTINE, LARGE, RECTUM	INTESTINE, SMALL, DUODENUM	INTESTINE, SMALL, ILEUM
INTESTINE, SMALL, JEJUNUM	ISLETS, PANCREATIC	KIDNEY	LIVER
LYMPH NODE, MANDIBULAR	LYMPH NODE, MESENTERIC	MAMMARY GLAND	NOSE
OVARY	PANCREAS	PITUITARY GLAND	SALIVARY GLANDS
SKIN	SPLEEN	STOMACH, FORESTOMACH	STOMACH, GLANDULAR
THYMUS	THYROID GLAND	TRACHEA	URINARY BLADDER
UTERUS	VAGINA		

**MISSING**

LYMPH NODE, MEDIASTINAL

**OBSERVATIONS**

ADRENAL GLAND	CORTEX, SUBCAPSULAR	HYPERPLASIA	BILATERAL, MINIMAL
AORTA			
Tissue Comment: GMS Staining is negative for fungus			
GALLBLADDER			
Tissue Comment: GMS staining is negative for fungus			
HEART			
Tissue Comment: GMS staining is negative for fungus			
LARYNX	EPIGLOTTIS	METAPLASIA	SQUAMOUS, MINIMAL
LIVER			
Tissue Comment: Abundant background staining; no definitive staining of fungus with GMS			
LUNG		FUNGUS	
	BALT, LYMPHOCYTE	HYPERPLASIA	MINIMAL
	BRONCHIOLE, EPITHELIUM	HYPERPLASIA	MINIMAL
	ARTERY, MEDIAL	HYPERTROPHY	MODERATE
		INFLAMMATION	CHRONIC ACTIVE, MODERATE
	GOBLET CELL	METAPLASIA	MILD
Observation Comment: 5 GMS			
LYMPH NODE, BRONCHIAL	LYMPHOCYTE	HYPERPLASIA	MILD
	PLASMA CELL	HYPERPLASIA	MINIMAL

**Study Number:** C08022

**Test Type:** TOX

**Route:** Nose-Only Inhalation

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

**PA14: Individual Animal Pathology Data**

**Test Compound:** Aspergillus fumigatus mold

**CAS Number:** ASPERGILLUS

**Date Report Requested:** 11/25/2019

**Time Report Requested:** 13:20:19

**Lab:** Battelle

---

**ANIMAL ID:** 53

**TRT#:** 3

**DOSE:** Viable Aspergillus fumigatus

**SEX:** Female

**REMOVAL DAY:** SD87

**DISP:** Scheduled Removal (Terminal)

**HISTO:** 17923

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**TISSUE STATUS**

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PARATHYROID GLAND

THYMUS

ECTOPIC TISSUE

SPLEEN

Tissue Comment: GMS Staining is negative for fungus

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**Study Number:** C08022  
**Test Type:** TOX  
**Route:** Nose-Only Inhalation  
**Species/Strain:** Mouse/B6C3F1/N

**PA14: Individual Animal Pathology Data**  
**Test Compound:** Aspergillus fumigatus mold  
**CAS Number:** ASPERGILLUS

**Date Report Requested:** 11/25/2019  
**Time Report Requested:** 13:20:19  
**Lab:** Battelle

**ANIMAL ID:** 54      **TRT#:** 3      **DOSE:** Viable Aspergillus fumigatus      **SEX:** Female      **REMOVAL DAY:** SD87  
**DISP:** Scheduled Removal (Terminal)      **HISTO:** 17924

**TISSUE STATUS**

**No Visible Lesions**

AORTA	BONE MARROW	BONE, FEMUR	BRAIN
CERVIX	CLITORAL GLAND	ESOPHAGUS	EYE
GALLBLADDER	HARDERIAN GLAND	HEART	INTESTINE, LARGE, CECUM
INTESTINE, LARGE, COLON	INTESTINE, LARGE, RECTUM	INTESTINE, SMALL, DUODENUM	INTESTINE, SMALL, ILEUM
INTESTINE, SMALL, JEJUNUM	ISLETS, PANCREATIC	KIDNEY	LIVER
LYMPH NODE, MANDIBULAR	LYMPH NODE, MESENTERIC	MAMMARY GLAND	NOSE
OVARY	PANCREAS	PITUITARY GLAND	SALIVARY GLANDS
SKIN	SPLEEN	STOMACH, FORESTOMACH	STOMACH, GLANDULAR
THYMUS	THYROID GLAND	TRACHEA	URINARY BLADDER
UTERUS	VAGINA		

**MISSING**

LYMPH NODE, MEDIASTINAL      PARATHYROID GLAND

**OBSERVATIONS**

ADRENAL GLAND	CORTEX, SUBCAPSULAR	HYPERPLASIA	BILATERAL, MINIMAL
AORTA			
Tissue Comment: GMS staining is negative for fungus			
GALLBLADDER			
Tissue Comment: GMS staining is negative for fungus			
HEART			
Tissue Comment: GMS staining is negative for fungus			
LARYNX	EPIGLOTTIS	METAPLASIA	SQUAMOUS, MINIMAL
LIVER			
Tissue Comment: Abundant background staining; no definitive staining of fungus with GMS			
LUNG		FUNGUS	
	BALT, LYMPHOCYTE	HYPERPLASIA	MILD
	BRONCHIOLE, EPITHELIUM	HYPERPLASIA	MINIMAL
	ARTERY, MEDIAL	HYPERTROPHY	MODERATE
		INFLAMMATION	CHRONIC ACTIVE, MODERATE
	GOBLET CELL	METAPLASIA	MILD
Observation Comment: 5 GMS			
LYMPH NODE, BRONCHIAL	LYMPHOCYTE	HYPERPLASIA	MILD
	PLASMA CELL	HYPERPLASIA	MILD

**Study Number:** C08022

**Test Type:** TOX

**Route:** Nose-Only Inhalation

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

**PA14: Individual Animal Pathology Data**

**Test Compound:** Aspergillus fumigatus mold

**CAS Number:** ASPERGILLUS

**Date Report Requested:** 11/25/2019

**Time Report Requested:** 13:20:19

**Lab:** Battelle

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**ANIMAL ID:** 54

**TRT#:** 3

**DOSE:** Viable Aspergillus fumigatus

**SEX:** Female

**REMOVAL DAY:** SD87

**DISP:** Scheduled Removal (Terminal)

**HISTO:** 17924

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**TISSUE STATUS**

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Tissue Comment: TGL 1-5: GMS staining is negative for fungus

[ HYPERPLASIA TGLS = TGL1-5 ]

SPLEEN

Tissue Comment: GMS staining is negative for fungus

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**Study Number:** C08022  
**Test Type:** TOX  
**Route:** Nose-Only Inhalation  
**Species/Strain:** Mouse/B6C3F1/N

**PA14: Individual Animal Pathology Data**  
**Test Compound:** Aspergillus fumigatus mold  
**CAS Number:** ASPERGILLUS

**Date Report Requested:** 11/25/2019  
**Time Report Requested:** 13:20:19  
**Lab:** Battelle

**ANIMAL ID:** 55      **TRT#:** 3      **DOSE:** Viable Aspergillus fumigatus      **SEX:** Female      **REMOVAL DAY:** SD87  
**DISP:** Scheduled Removal (Terminal)      **HISTO:** 17925

**TISSUE STATUS**

**No Visible Lesions**

ADRENAL GLAND	AORTA	BONE MARROW	BONE, FEMUR
BRAIN	CERVIX	CLITORAL GLAND	ESOPHAGUS
EYE	GALLBLADDER	HARDERIAN GLAND	HEART
INTESTINE, LARGE, CECUM	INTESTINE, LARGE, COLON	INTESTINE, LARGE, RECTUM	INTESTINE, SMALL, DUODENUM
INTESTINE, SMALL, ILEUM	INTESTINE, SMALL, JEJUNUM	ISLETS, PANCREATIC	KIDNEY
LIVER	LYMPH NODE, MANDIBULAR	LYMPH NODE, MESENTERIC	MAMMARY GLAND
NOSE	OVARY	PANCREAS	PARATHYROID GLAND
PITUITARY GLAND	SALIVARY GLANDS	SKIN	STOMACH, FORESTOMACH
STOMACH, GLANDULAR	THYMUS	THYROID GLAND	TRACHEA
URINARY BLADDER	UTERUS	VAGINA	

**MISSING**

LYMPH NODE, MEDIASTINAL

**OBSERVATIONS**

AORTA			
Tissue Comment: GMS staining is negative for fungus			
GALLBLADDER			
Tissue Comment: GMS staining is negative for fungus			
HEART			
Tissue Comment: GMS staining is negative for fungus			
LARYNX	EPIGLOTTIS	METAPLASIA	SQUAMOUS, MINIMAL
LIVER			
Tissue Comment: Abundant background staining; no definitive staining of fungus with GMS			
LUNG		FUNGUS	
	BALT, LYMPHOCYTE	HYPERPLASIA	MINIMAL
	ARTERY, MEDIAL	HYPERTROPHY	MILD
		INFLAMMATION	CHRONIC ACTIVE, MILD
	GOBLET CELL	METAPLASIA	MILD
Observation Comment: 5 GMS			
LYMPH NODE, BRONCHIAL	LYMPHOCYTE	HYPERPLASIA	MINIMAL
	PLASMA CELL	HYPERPLASIA	MINIMAL
SPLEEN	LYMPHOCYTE	HYPERPLASIA	MINIMAL

**Study Number:** C08022  
**Test Type:** TOX  
**Route:** Nose-Only Inhalation  
**Species/Strain:** Mouse/B6C3F1/N

**PA14: Individual Animal Pathology Data**  
**Test Compound:** Aspergillus fumigatus mold  
**CAS Number:** ASPERGILLUS

**Date Report Requested:** 11/25/2019  
**Time Report Requested:** 13:20:19  
**Lab:** Battelle

**ANIMAL ID:** 56      **TRT#:** 3      **DOSE:** Viable Aspergillus fumigatus      **SEX:** Female      **REMOVAL DAY:** SD87  
**DISP:** Scheduled Removal (Terminal)      **HISTO:** 17926

**TISSUE STATUS**

**No Visible Lesions**

ADRENAL GLAND	AORTA	BONE MARROW	BONE, FEMUR
BRAIN	CERVIX	CLITORAL GLAND	ESOPHAGUS
EYE	GALLBLADDER	HARDERIAN GLAND	HEART
INTESTINE, LARGE, CECUM	INTESTINE, LARGE, COLON	INTESTINE, LARGE, RECTUM	INTESTINE, SMALL, DUODENUM
INTESTINE, SMALL, ILEUM	INTESTINE, SMALL, JEJUNUM	ISLETS, PANCREATIC	LIVER
LYMPH NODE, MANDIBULAR	LYMPH NODE, MESENTERIC	MAMMARY GLAND	NOSE
OVARY	PANCREAS	PARATHYROID GLAND	PITUITARY GLAND
SALIVARY GLANDS	SKIN	SPLEEN	STOMACH, FORESTOMACH
STOMACH, GLANDULAR	THYMUS	THYROID GLAND	TRACHEA
URINARY BLADDER	UTERUS	VAGINA	

**MISSING**

LYMPH NODE, MEDIASTINAL

**OBSERVATIONS**

AORTA			
Tissue Comment: negative staining of fungus with GMS			
GALLBLADDER			
Tissue Comment: negative staining of fungus with GMS			
HEART			
Tissue Comment: negative staining of fungus with GMS			
KIDNEY		NEPHROPATHY	CHRONIC PROGRESSIVE, MINIMAL
LARYNX	EPIGLOTTIS	METAPLASIA	SQUAMOUS, MINIMAL
LIVER			
Tissue Comment: No definitive staining of fungus with GMS			
LUNG		FUNGUS	
	BALT, LYMPHOCYTE	HYPERPLASIA	MINIMAL
	BRONCHIOLE, EPITHELIUM	HYPERPLASIA	MINIMAL
	ARTERY, MEDIAL	HYPERTROPHY	MILD
		INFLAMMATION	CHRONIC ACTIVE, MILD
	GOBLET CELL	METAPLASIA	MINIMAL
Observation Comment: 5 GMS			
LYMPH NODE, BRONCHIAL	LYMPHOCYTE	HYPERPLASIA	MILD
	PLASMA CELL	HYPERPLASIA	MILD



**Study Number:** C08022

**Test Type:** TOX

**Route:** Nose-Only Inhalation

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

**PA14: Individual Animal Pathology Data**

**Test Compound:** Aspergillus fumigatus mold

**CAS Number:** ASPERGILLUS

**Date Report Requested:** 11/25/2019

**Time Report Requested:** 13:20:19

**Lab:** Battelle

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**ANIMAL ID:** 56

**TRT#:** 3

**DOSE:** Viable Aspergillus fumigatus

**SEX:** Female

**REMOVAL DAY:** SD87

**DISP:** Scheduled Removal (Terminal)

**HISTO:** 17926

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**TISSUE STATUS**

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SPLEEN

Tissue Comment: negative staining of fungus with GMS

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Study Number: C08022

Test Type: TOX

Route: Nose-Only Inhalation

Species/Strain: Mouse/B6C3F1/N

PA14: Individual Animal Pathology Data

Test Compound: Aspergillus fumigatus mold

CAS Number: ASPERGILLUS

Date Report Requested: 11/25/2019

Time Report Requested: 13:20:19

Lab: Battelle

ANIMAL ID: 57

TRT#: 3

DOSE: Viable Aspergillus fumigatus

SEX: Female

REMOVAL DAY: SD87

DISP: Scheduled Removal (Terminal)

HISTO: 17927

TISSUE STATUS

No Visible Lesions

AORTA	BONE MARROW	BONE, FEMUR	BRAIN
CERVIX	CLITORAL GLAND	ESOPHAGUS	EYE
GALLBLADDER	HARDERIAN GLAND	HEART	INTESTINE, LARGE, CECUM
INTESTINE, LARGE, COLON	INTESTINE, LARGE, RECTUM	INTESTINE, SMALL, DUODENUM	INTESTINE, SMALL, ILEUM
INTESTINE, SMALL, JEJUNUM	ISLETS, PANCREATIC	KIDNEY	LYMPH NODE, MANDIBULAR
LYMPH NODE, MESENTERIC	MAMMARY GLAND	NOSE	OVARY
PANCREAS	PITUITARY GLAND	SALIVARY GLANDS	SKIN
SPLEEN	STOMACH, FORESTOMACH	STOMACH, GLANDULAR	THYMUS
THYROID GLAND	TRACHEA	URINARY BLADDER	UTERUS
VAGINA			

MISSING

LYMPH NODE, MEDIASTINAL

OBSERVATIONS

ADRENAL GLAND	CORTEX, SUBCAPSULAR	HYPERPLASIA	BILATERAL, MINIMAL
AORTA			
Tissue Comment: negative staining of fungus with GMS			
GALLBLADDER			
Tissue Comment: negative staining of fungus with GMS			
HEART			
Tissue Comment: negative staining of fungus with GMS			
LARYNX	EPIGLOTTIS	METAPLASIA	SQUAMOUS, MINIMAL
	EPITHELIUM	ULCER	MINIMAL
Observation Comment: overlying arytenoid cartilage, section 2			
LIVER		INFLAMMATION	FOCAL, MINIMAL
LUNG		FUNGUS	
	BALT, LYMPHOCYTE	HYPERPLASIA	MINIMAL
	BRONCHIOLE, EPITHELIUM	HYPERPLASIA	MINIMAL
	ARTERY, MEDIAL	HYPERTROPHY	MODERATE
		INFLAMMATION	CHRONIC ACTIVE, MODERATE
	GOBLET CELL	METAPLASIA	MILD
Observation Comment: 5 GMS			
LYMPH NODE, BRONCHIAL	LYMPHOCYTE	HYPERPLASIA	MILD

**Study Number:** C08022

**Test Type:** TOX

**Route:** Nose-Only Inhalation

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

**PA14: Individual Animal Pathology Data**

**Test Compound:** Aspergillus fumigatus mold

**CAS Number:** ASPERGILLUS

**Date Report Requested:** 11/25/2019

**Time Report Requested:** 13:20:19

**Lab:** Battelle

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<b>ANIMAL ID:</b> 57	<b>TRT#:</b> 3	<b>DOSE:</b> Viable Aspergillus fumigatus	<b>SEX:</b> Female	<b>REMOVAL DAY:</b> SD87
			<b>DISP:</b> Scheduled Removal (Terminal)	<b>HISTO:</b> 17927

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**TISSUE STATUS**

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PARATHYROID GLAND	PLASMA CELL	HYPERPLASIA	MILD
SPLEEN	THYMUS	ECTOPIC TISSUE	

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Tissue Comment: negative staining of fungus with GMS

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**Study Number:** C08022  
**Test Type:** TOX  
**Route:** Nose-Only Inhalation  
**Species/Strain:** Mouse/B6C3F1/N

**PA14: Individual Animal Pathology Data**  
**Test Compound:** Aspergillus fumigatus mold  
**CAS Number:** ASPERGILLUS

**Date Report Requested:** 11/25/2019  
**Time Report Requested:** 13:20:19  
**Lab:** Battelle

**ANIMAL ID:** 58      **TRT#:** 3      **DOSE:** Viable Aspergillus fumigatus      **SEX:** Female      **REMOVAL DAY:** SD87  
**DISP:** Scheduled Removal (Terminal)      **HISTO:** 17928

**TISSUE STATUS**

**No Visible Lesions**

ADRENAL GLAND	AORTA	BONE MARROW	BONE, FEMUR
BRAIN	CERVIX	CLITORAL GLAND	ESOPHAGUS
EYE	GALLBLADDER	HARDERIAN GLAND	HEART
INTESTINE, LARGE, CECUM	INTESTINE, LARGE, COLON	INTESTINE, LARGE, RECTUM	INTESTINE, SMALL, DUODENUM
INTESTINE, SMALL, ILEUM	INTESTINE, SMALL, JEJUNUM	ISLETS, PANCREATIC	LIVER
LYMPH NODE, MANDIBULAR	LYMPH NODE, MEDIASTINAL	LYMPH NODE, MESENTERIC	MAMMARY GLAND
NOSE	OVARY	PANCREAS	PARATHYROID GLAND
PITUITARY GLAND	SALIVARY GLANDS	SKIN	SPLEEN
STOMACH, FORESTOMACH	STOMACH, GLANDULAR	THYMUS	THYROID GLAND
TRACHEA	URINARY BLADDER	UTERUS	VAGINA

**OBSERVATIONS**

AORTA			
Tissue Comment: negative staining of fungus with GMS			
GALLBLADDER			
Tissue Comment: negative staining of fungus with GMS			
HEART			
Tissue Comment: negative for fungus with GMS			
KIDNEY		NEPHROPATHY	CHRONIC PROGRESSIVE, MINIMAL
LARYNX	SQUAMOUS EPITHELIUM	HYPERPLASIA	MINIMAL
	EPIGLOTTIS	METAPLASIA	SQUAMOUS, MINIMAL
Observation Comment: overlying the arytenoid cartilage in section 2			
LIVER			
Tissue Comment: negative for fungus with GMS			
LUNG		FUNGUS	
	BALT, LYMPHOCYTE	HYPERPLASIA	MILD
	BRONCHIOLE, EPITHELIUM	HYPERPLASIA	MINIMAL
	ARTERY, MEDIAL	HYPERTROPHY	MILD
		INFLAMMATION	CHRONIC ACTIVE, MODERATE
	GOBLET CELL	METAPLASIA	MILD
Observation Comment: 5 GMS			
LYMPH NODE, BRONCHIAL		FUNGUS	
	LYMPHOCYTE	HYPERPLASIA	MINIMAL

**Study Number:** C08022

**Test Type:** TOX

**Route:** Nose-Only Inhalation

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

**PA14: Individual Animal Pathology Data**

**Test Compound:** Aspergillus fumigatus mold

**CAS Number:** ASPERGILLUS

**Date Report Requested:** 11/25/2019

**Time Report Requested:** 13:20:19

**Lab:** Battelle

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**ANIMAL ID:** 58

**TRT#:** 3

**DOSE:** Viable Aspergillus fumigatus

**SEX:** Female

**REMOVAL DAY:** SD87

**DISP:** Scheduled Removal (Terminal)

**HISTO:** 17928

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**TISSUE STATUS**

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Observation Comment: 5 GMS

SPLEEN

Tissue Comment: negative for fungus with GMS

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**Study Number:** C08022  
**Test Type:** TOX  
**Route:** Nose-Only Inhalation  
**Species/Strain:** Mouse/B6C3F1/N

**PA14: Individual Animal Pathology Data**  
**Test Compound:** Aspergillus fumigatus mold  
**CAS Number:** ASPERGILLUS

**Date Report Requested:** 11/25/2019  
**Time Report Requested:** 13:20:19  
**Lab:** Battelle

**ANIMAL ID:** 59      **TRT#:** 3      **DOSE:** Viable Aspergillus fumigatus      **SEX:** Female      **REMOVAL DAY:** SD87  
**DISP:** Scheduled Removal (Terminal)      **HISTO:** 17929

**TISSUE STATUS**

**No Visible Lesions**

ADRENAL GLAND	AORTA	BONE MARROW	BONE, FEMUR
BRAIN	CERVIX	CLITORAL GLAND	ESOPHAGUS
EYE	GALLBLADDER	HARDERIAN GLAND	HEART
INTESTINE, LARGE, CECUM	INTESTINE, LARGE, COLON	INTESTINE, LARGE, RECTUM	INTESTINE, SMALL, DUODENUM
INTESTINE, SMALL, ILEUM	INTESTINE, SMALL, JEJUNUM	ISLETS, PANCREATIC	KIDNEY
LARYNX	LIVER	LYMPH NODE, MANDIBULAR	LYMPH NODE, MESENTERIC
MAMMARY GLAND	NOSE	OVARY	PANCREAS
PARATHYROID GLAND	PITUITARY GLAND	SALIVARY GLANDS	SKIN
SPLEEN	STOMACH, FORESTOMACH	STOMACH, GLANDULAR	THYMUS
THYROID GLAND	TRACHEA	URINARY BLADDER	VAGINA

**MISSING**

LYMPH NODE, MEDIASTINAL

**OBSERVATIONS**

AORTA			
Tissue Comment: negative for fungus with GMS			
GALLBLADDER			
Tissue Comment: negative for fungus with GMS			
HEART			
Tissue Comment: negative for fungus with GMS			
LIVER			
Tissue Comment: negative for fungus with GMS			
LUNG		FUNGUS	
	BALT, LYMPHOCYTE	HYPERPLASIA	MINIMAL
	ARTERY, MEDIAL	HYPERTROPHY	MILD
		INFLAMMATION	CHRONIC ACTIVE, MODERATE
	GOBLET CELL	METAPLASIA	MILD
Observation Comment: 5 GMS			
LYMPH NODE, BRONCHIAL	LYMPHOCYTE	HYPERPLASIA	MILD
	PLASMA CELL	HYPERPLASIA	MINIMAL
SPLEEN			
Tissue Comment: negative for fungus with GMS			
UTERUS	STROMAL	POLYP	

**Study Number:** C08022  
**Test Type:** TOX  
**Route:** Nose-Only Inhalation  
**Species/Strain:** Mouse/B6C3F1/N

**PA14: Individual Animal Pathology Data**  
**Test Compound:** Aspergillus fumigatus mold  
**CAS Number:** ASPERGILLUS

**Date Report Requested:** 11/25/2019  
**Time Report Requested:** 13:20:19  
**Lab:** Battelle

**ANIMAL ID:** 60      **TRT#:** 3      **DOSE:** Viable Aspergillus fumigatus      **SEX:** Female      **REMOVAL DAY:** SD87  
**DISP:** Scheduled Removal (Terminal)      **HISTO:** 17930

**TISSUE STATUS**

**No Visible Lesions**

AORTA	BONE MARROW	BONE, FEMUR	BRAIN
CERVIX	CLITORAL GLAND	ESOPHAGUS	EYE
GALLBLADDER	HARDERIAN GLAND	HEART	INTESTINE, LARGE, CECUM
INTESTINE, LARGE, COLON	INTESTINE, LARGE, RECTUM	INTESTINE, SMALL, DUODENUM	INTESTINE, SMALL, ILEUM
INTESTINE, SMALL, JEJUNUM	ISLETS, PANCREATIC	KIDNEY	LYMPH NODE, MANDIBULAR
LYMPH NODE, MESENTERIC	MAMMARY GLAND	NOSE	OVARY
PANCREAS	PARATHYROID GLAND	PITUITARY GLAND	SALIVARY GLANDS
SKIN	SPLEEN	STOMACH, FORESTOMACH	STOMACH, GLANDULAR
THYMUS	THYROID GLAND	TRACHEA	URINARY BLADDER
UTERUS	VAGINA		

**MISSING**

LYMPH NODE, MEDIASTINAL

**OBSERVATIONS**

ADRENAL GLAND	CORTEX, SUBCAPSULAR	HYPERPLASIA	BILATERAL, MINIMAL
AORTA			
Tissue Comment: negative for fungus with GMS			
GALLBLADDER			
Tissue Comment: negative for fungus with GMS			
HEART			
Tissue Comment: negative for fungus with GMS			
LARYNX	EPIGLOTTIS	METAPLASIA	SQUAMOUS, MINIMAL
LIVER		INFLAMMATION	FOCAL, MINIMAL
LUNG		FUNGUS	
	BALT, LYMPHOCYTE	HYPERPLASIA	MILD
	BRONCHIOLE, EPITHELIUM	HYPERPLASIA	MINIMAL
	ARTERY, MEDIAL	HYPERTROPHY	MODERATE
		INFLAMMATION	CHRONIC ACTIVE, MODERATE
	GOBLET CELL	METAPLASIA	MILD
Observation Comment: 5 GMS			
LYMPH NODE, BRONCHIAL	LYMPHOCYTE	HYPERPLASIA	MILD
	PLASMA CELL	HYPERPLASIA	MILD
SPLEEN			

**Study Number:** C08022

**Test Type:** TOX

**Route:** Nose-Only Inhalation

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

**PA14: Individual Animal Pathology Data**

**Test Compound:** Aspergillus fumigatus mold

**CAS Number:** ASPERGILLUS

**Date Report Requested:** 11/25/2019

**Time Report Requested:** 13:20:19

**Lab:** Battelle

---

**ANIMAL ID:** 60

**TRT#:** 3

**DOSE:** Viable Aspergillus fumigatus

**SEX:** Female

**REMOVAL DAY:** SD87

**DISP:** Scheduled Removal (Terminal)

**HISTO:** 17930

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**TISSUE STATUS**

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Tissue Comment: negative for fungus with GMS

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**Study Number:** C08022

**Test Type:** TOX

**Route:** Nose-Only Inhalation

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

**PA14: Individual Animal Pathology Data**

**Test Compound:** Aspergillus fumigatus mold

**CAS Number:** ASPERGILLUS

**Date Report Requested:** 11/25/2019

**Time Report Requested:** 13:20:19

**Lab:** Battelle

LEGEND

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SD – Study Day

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