

Experiment Number: 99009 - 02

**P18: INCIDENCE RATES OF NON-NEOPLASTIC LESIONS BY ANATOMIC SITE (a) WITH  
AVERAGE SEVERITY GRADES[b]**

Date Report Requested: 12/09/2016

Test Type: 90-DAY

Myristicin

Time Report Requested: 13:55:49

Route: GAVAGE

CAS Number: 607-91-0

First Dose M/F: 01/23/09 / 01/22/09

Species/Strain: MICE/B6C3F1

Lab: BAT

F1\_M3\_Rev.2

**NTP Study Number:** C99009  
**Lock Date:** 04/22/2010  
**Cage Range:** ALL  
**Date Range:** ALL  
**Reasons For Removal:** ALL  
**Removal Date Range:** ALL  
**Treatment Groups:** Include ALL  
**Study Gender:** Both  
**TDMSE Version:** 3.0.2.3\_002  
**PWG Approval Date:** 05/22/2012

Test Type: 90-DAY

Myristicin

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CAS Number: 607-91-0

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Species/Strain: MICE/B6C3F1

Lab: BAT

B6C3F1 MICE MALE	0 mg/kg	10 mg/kg	30 mg/kg	100 mg/kg	300 mg/kg	600 mg/kg
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**Disposition Summary**

<b>Animals Initially In Study</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>
<b>Early Deaths</b>						
<b>Survivors</b>						
<b>Terminal Sacrifice</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>
<b>Animals Examined Microscopically</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>

## ALIMENTARY SYSTEM

Esophagus	(10)	(0)	(0)	(0)	(0)	(10)
Gallbladder	(10)	(0)	(0)	(0)	(0)	(10)
Intestine Large, Cecum	(10)	(0)	(0)	(0)	(0)	(10)
Intestine Large, Colon	(10)	(0)	(0)	(0)	(0)	(10)
Intestine Large, Rectum	(10)	(0)	(0)	(0)	(0)	(10)
Intestine Small, Duodenum	(10)	(0)	(0)	(0)	(0)	(10)
Intestine Small, Ileum	(10)	(0)	(0)	(0)	(0)	(10)
Intestine Small, Jejunum	(10)	(0)	(0)	(0)	(0)	(10)
Liver	(10)	(10)	(10)	(10)	(10)	(10)
Fatty Change				8 [1.0]	5 [1.0]	10 [1.2]
Centrilobular, Hepatocyte, Hypertrophy					10 [2.9]	10 [3.0]
Hepatocyte, Necrosis					1 [1.0]	10 [1.0]
Hepatocyte, Necrosis, Focal	1 [1.0]					
Oval Cell, Hyperplasia						10 [1.0]
Pancreas	(10)	(0)	(0)	(0)	(0)	(10)
Salivary Glands	(10)	(0)	(0)	(0)	(0)	(10)
Stomach, Forestomach	(10)	(10)	(10)	(10)	(10)	(10)
Inflammation, Chronic					2 [1.0]	4 [3.5]
Ulcer						2 [2.5]
Epithelium, Hyperkeratosis					2 [1.0]	3 [3.7]
Epithelium, Hyperplasia					1 [2.0]	3 [4.0]
Epithelium, Inflammation, Suppurative						4 [3.5]
Stomach, Glandular	(10)	(10)	(10)	(10)	(10)	(10)
Epithelium, Atrophy						10 [1.7]
Epithelium, Hyperplasia						10 [2.0]
Epithelium, Necrosis					1 [1.0]	

a - Number of animals examined microscopically at site and number of animals with lesion

b-Average severity grade(1-minimal;2-mild;3-moderate;4-marked)

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Lab: BAT

B6C3F1 MICE MALE	0 mg/kg	10 mg/kg	30 mg/kg	100 mg/kg	300 mg/kg	600 mg/kg
<b>CARDIOVASCULAR SYSTEM</b>						
Blood Vessel	(10)	(0)	(0)	(0)	(0)	(10)
Heart	(10)	(0)	(0)	(0)	(0)	(10)
<b>ENDOCRINE SYSTEM</b>						
Adrenal Cortex	(10)	(0)	(0)	(0)	(0)	(10)
Subcapsular, Hyperplasia	2 [1.0]					1 [1.0]
Adrenal Medulla	(10)	(0)	(0)	(0)	(0)	(10)
Islets, Pancreatic	(10)	(0)	(0)	(0)	(0)	(10)
Parathyroid Gland	(9)	(0)	(0)	(0)	(0)	(10)
Pituitary Gland	(10)	(0)	(0)	(0)	(0)	(10)
Thyroid Gland	(10)	(0)	(0)	(0)	(0)	(10)
<b>GENERAL BODY SYSTEM</b>						
None						
<b>GENITAL SYSTEM</b>						
Epididymis	(10)	(10)	(10)	(10)	(10)	(10)
Preputial Gland	(10)	(0)	(0)	(0)	(0)	(10)
Prostate	(10)	(0)	(0)	(0)	(0)	(10)
Seminal Vesicle	(10)	(0)	(0)	(0)	(0)	(10)
Testes	(10)	(10)	(10)	(10)	(10)	(10)
<b>HEMATOPOIETIC SYSTEM</b>						
Bone Marrow	(10)	(0)	(0)	(0)	(0)	(10)
Lymph Node, Mandibular	(10)	(0)	(0)	(0)	(0)	(10)
Lymph Node, Mesenteric	(10)	(0)	(0)	(0)	(0)	(10)

a - Number of animals examined microscopically at site and number of animals with lesion

b-Average severity grade(1-minimal;2-mild;3-moderate;4-marked)

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Lab: BAT

B6C3F1 MICE MALE	0 mg/kg	10 mg/kg	30 mg/kg	100 mg/kg	300 mg/kg	600 mg/kg
Spleen	(10)	(0)	(0)	(0)	(0)	(10)
Thymus	(10)	(0)	(0)	(0)	(0)	(10)
<b>INTEGUMENTARY SYSTEM</b>						
Skin	(10)	(0)	(0)	(0)	(0)	(10)
<b>MUSCULOSKELETAL SYSTEM</b>						
Bone	(10)	(0)	(0)	(0)	(0)	(10)
<b>NERVOUS SYSTEM</b>						
Brain	(10)	(0)	(0)	(0)	(0)	(10)
<b>RESPIRATORY SYSTEM</b>						
Lung	(10)	(0)	(0)	(0)	(1)	(10)
Serosa, Inflammation, Granulomatous					1 [3.0]	
Nose	(10)	(10)	(10)	(10)	(10)	(10)
Glands, Olfactory Epithelium, Hyperplasia						7 [1.0]
Nerve, Atrophy					8 [1.0]	10 [2.0]
Olfactory Epithelium, Accumulation, Hyaline Droplet					2 [1.0]	9 [1.3]
Olfactory Epithelium, Atrophy					10 [1.0]	10 [2.0]
Respiratory Epithelium, Accumulation, Hyaline Droplet	4 [1.0]	5 [1.4]	1 [1.0]	5 [1.0]	10 [1.2]	10 [2.1]
Respiratory Epithelium, Vacuolization Cytoplasmic	1 [1.0]	1 [1.0]				6 [1.3]
Trachea	(10)	(0)	(0)	(0)	(0)	(10)
<b>SPECIAL SENSES SYSTEM</b>						
Eye	(10)	(0)	(0)	(0)	(0)	(10)

a - Number of animals examined microscopically at site and number of animals with lesion

b-Average severity grade(1-minimal;2-mild;3-moderate;4-marked)

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Species/Strain: MICE/B6C3F1

Lab: BAT

B6C3F1 MICE MALE	0 mg/kg	10 mg/kg	30 mg/kg	100 mg/kg	300 mg/kg	600 mg/kg
Retina, Atrophy	1 [4.0]					
Harderian Gland	(10)	(0)	(0)	(0)	(0)	(10)
<b>URINARY SYSTEM</b>						
Kidney	(10)	(0)	(0)	(0)	(0)	(10)
Inflammation, Chronic	1 [1.0]					
Nephropathy	1 [1.0]					1 [1.0]
Urinary Bladder	(10)	(0)	(0)	(0)	(0)	(10)

\*\*\* END OF MALE \*\*\*

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B6C3F1 MICE FEMALE	0 mg/kg	10 mg/kg	30 mg/kg	100 mg/kg	300 mg/kg	600 mg/kg
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**Disposition Summary**

<b>Animals Initially In Study</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>
<b>Early Deaths</b>						
<b>Survivors</b>						
<b>Terminal Sacrifice</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>
<b>Animals Examined Microscopically</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>

## ALIMENTARY SYSTEM

Esophagus	(10)	(0)	(0)	(0)	(0)	(10)
Gallbladder	(10)	(0)	(0)	(0)	(0)	(10)
Intestine Large, Cecum	(10)	(0)	(0)	(0)	(0)	(10)
Intestine Large, Colon	(10)	(0)	(0)	(0)	(0)	(10)
Intestine Large, Rectum	(10)	(0)	(0)	(0)	(0)	(10)
Intestine Small, Duodenum	(10)	(0)	(0)	(0)	(0)	(10)
Intestine Small, Ileum	(10)	(0)	(0)	(0)	(0)	(10)
Intestine Small, Jejunum	(9)	(0)	(0)	(0)	(0)	(10)
Liver	(10)	(10)	(10)	(10)	(10)	(10)
Basophilic Focus			1		1	
Clear Cell Focus					3	2
Fatty Change						10 [1.0]
Mineralization, Focal			1 [1.0]			
Necrosis					1 [1.0]	
Centrilobular, Hepatocyte, Hypertrophy				10 [2.0]	10 [3.0]	10 [3.0]
Hepatocyte, Necrosis				1 [1.0]	10 [1.0]	10 [1.0]
Oval Cell, Hyperplasia					10 [1.0]	10 [2.4]
Pancreas	(10)	(0)	(0)	(0)	(0)	(10)
Salivary Glands	(10)	(0)	(0)	(0)	(0)	(10)
Stomach, Forestomach	(10)	(10)	(10)	(10)	(10)	(10)
Inflammation, Chronic			2 [3.0]	1 [3.0]	1 [2.0]	3 [3.7]
Ulcer				1 [1.0]		2 [3.0]
Epithelium, Hyperkeratosis			2 [3.0]	1 [4.0]	1 [2.0]	3 [4.0]
Epithelium, Hyperplasia			2 [2.0]	1 [4.0]	1 [2.0]	3 [3.7]
Epithelium, Inflammation, Suppurative			2 [2.0]	1 [3.0]		3 [3.7]
Stomach, Glandular	(10)	(10)	(10)	(10)	(10)	(10)

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B6C3F1 MICE FEMALE	0 mg/kg	10 mg/kg	30 mg/kg	100 mg/kg	300 mg/kg	600 mg/kg
Epithelium, Atrophy						10 [1.2]
Epithelium, Hyperplasia						10 [1.6]
Epithelium, Necrosis					1 [1.0]	
<b>CARDIOVASCULAR SYSTEM</b>						
Blood Vessel	(10)	(0)	(0)	(0)	(0)	(10)
Heart	(10)	(0)	(0)	(0)	(0)	(10)
<b>ENDOCRINE SYSTEM</b>						
Adrenal Cortex	(10)	(0)	(0)	(0)	(0)	(10)
Subcapsular, Hyperplasia	6 [2.0]					5 [1.2]
Adrenal Medulla	(10)	(0)	(0)	(0)	(0)	(10)
Islets, Pancreatic	(10)	(0)	(0)	(0)	(0)	(10)
Parathyroid Gland	(9)	(0)	(0)	(0)	(0)	(9)
Pituitary Gland	(10)	(0)	(0)	(0)	(0)	(10)
Thyroid Gland	(10)	(0)	(0)	(0)	(0)	(10)
<b>GENERAL BODY SYSTEM</b>						
None						
<b>GENITAL SYSTEM</b>						
Clitoral Gland	(10)	(0)	(0)	(0)	(0)	(10)
Ovary	(10)	(0)	(0)	(0)	(0)	(10)
Uterus	(10)	(0)	(0)	(0)	(0)	(10)
<b>HEMATOPOIETIC SYSTEM</b>						
Bone Marrow	(10)	(0)	(0)	(0)	(0)	(10)
Lymph Node, Mandibular	(10)	(0)	(0)	(0)	(0)	(10)

a - Number of animals examined microscopically at site and number of animals with lesion

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B6C3F1 MICE FEMALE	0 mg/kg	10 mg/kg	30 mg/kg	100 mg/kg	300 mg/kg	600 mg/kg
Lymph Node, Mesenteric	(10)	(0)	(0)	(0)	(0)	(10)
Spleen	(10)	(0)	(0)	(0)	(0)	(10)
Thymus	(10)	(0)	(0)	(0)	(0)	(10)
<b>INTEGUMENTARY SYSTEM</b>						
Mammary Gland	(10)	(0)	(0)	(0)	(0)	(10)
Skin	(10)	(0)	(0)	(0)	(0)	(10)
<b>MUSCULOSKELETAL SYSTEM</b>						
Bone	(10)	(0)	(0)	(0)	(0)	(10)
<b>NERVOUS SYSTEM</b>						
Brain	(10)	(0)	(0)	(0)	(0)	(10)
<b>RESPIRATORY SYSTEM</b>						
Lung	(10)	(0)	(0)	(0)	(0)	(10)
Arteriole, Inflammation, Chronic	1 [2.0]					
Nose	(10)	(10)	(10)	(10)	(10)	(10)
Glands, Olfactory Epithelium, Hyperplasia						10 [1.0]
Nerve, Atrophy					9 [1.2]	10 [2.0]
Olfactory Epithelium, Accumulation, Hyaline Droplet		1 [1.0]		3 [1.0]	8 [1.0]	10 [1.9]
Olfactory Epithelium, Atrophy					10 [1.0]	10 [2.0]
Respiratory Epithelium, Accumulation, Hyaline Droplet	5 [1.2]	3 [1.7]	1 [1.0]	7 [1.4]	10 [2.5]	10 [2.7]
Respiratory Epithelium, Vacuolization Cytoplasmic					2 [2.0]	4 [2.0]
Trachea	(10)	(0)	(0)	(0)	(0)	(10)

a - Number of animals examined microscopically at site and number of animals with lesion

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B6C3F1 MICE FEMALE	0 mg/kg	10 mg/kg	30 mg/kg	100 mg/kg	300 mg/kg	600 mg/kg
<hr/>						
SPECIAL SENSES SYSTEM						
Eye	(10)	(0)	(0)	(0)	(0)	(10)
Harderian Gland	(10)	(0)	(0)	(0)	(0)	(10)
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URINARY SYSTEM						
Kidney	(10)	(0)	(0)	(0)	(0)	(10)
Urinary Bladder	(10)	(0)	(0)	(0)	(0)	(10)

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

a - Number of animals examined microscopically at site and number of animals with lesion

b-Average severity grade(1-minimal;2-mild;3-moderate;4-marked)