

**Experiment Number:** 92013-02  
**Test Type:** 14-DAY  
**Route:** DOSED FEED  
**Species/Strain:** Mouse/B6C3F1

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

**Test Compound:** 4-Methylimidazole  
**CAS Number:** 822-36-6

**Date Report Requested:** 10/16/2014  
**Time Report Requested:** 17:12:31  
**First Dose M/F:** NA / NA  
**Lab:** MBA

<b>C Number:</b>	C92013
<b>Lock Date:</b>	01/12/1995
<b>Cage Range:</b>	All
<b>Date Range:</b>	All
<b>Reasons For Removal:</b>	All
<b>Removal Date Range:</b>	All
<b>Treatment Groups:</b>	All
<b>Study Gender:</b>	Both
<b>PWG Approval Date</b>	NONE

Experiment Number: 92013-02

Test Type: 14-DAY

Route: DOSED FEED

Species/Strain: Mouse/B6C3F1

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

Test Compound: 4-Methylimidazole

CAS Number: 822-36-6

Date Report Requested: 10/16/2014

Time Report Requested: 17:12:31

First Dose M/F: NA / NA

Lab: MBA

B6C3F1 Mouse MALE	VEHICLE CONTROL	300 PPM	800 PPM	2500 PPM
<b>Disposition Summary</b>				
Animals Initially In Study	5	5	5	5
Early Deaths				
Survivors				
Terminal Sacrifice	5	5	5	5
Animals Examined Microscopically	5			5
<b>ALIMENTARY SYSTEM</b>				
Liver	(5)	(0)	(0)	(5)
Necrosis, Focal	1 [1.0]			2 [1.0]
Periportal, Vacuolization Cytoplasmic	3 [2.0]			5 [2.0]
Vacuolization Cytoplasmic, Diffuse	2 [2.0]			
Stomach, Forestomach	(5)	(0)	(0)	(5)
Stomach, Glandular	(5)	(0)	(0)	(5)
<b>CARDIOVASCULAR SYSTEM</b>				
Heart	(5)	(0)	(0)	(5)
<b>ENDOCRINE SYSTEM</b>				
Adrenal Cortex	(5)	(0)	(0)	(5)
Adrenal Medulla	(5)	(0)	(0)	(5)
Pituitary Gland	(5)	(0)	(0)	(4)
Thyroid Gland	(5)	(0)	(0)	(4)
<b>GENERAL BODY SYSTEM</b>				
None				
<b>GENITAL SYSTEM</b>				
Testes	(5)	(0)	(0)	(5)
<b>HEMATOPOIETIC SYSTEM</b>				
Spleen	(5)	(0)	(0)	(5)

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)

Experiment Number: 92013-02  
Test Type: 14-DAY  
Route: DOSED FEED  
Species/Strain: Mouse/B6C3F1

**P18: INCIDENCE RATES OF NON-NEOPLASTIC LESIONS BY ANATOMIC SITE (a) WITH  
AVERAGE SEVERITY GRADES[b]**  
Test Compound: 4-Methylimidazole  
CAS Number: 822-36-6

Date Report Requested: 10/16/2014  
Time Report Requested: 17:12:31  
First Dose M/F: NA / NA  
Lab: MBA

B6C3F1 Mouse MALE	VEHICLE CONTROL	300 PPM	800 PPM	2500 PPM
Hematopoietic Cell Proliferation	1 [1.0]			1 [1.0]
Thymus	(5)	(0)	(0)	(5)
INTEGUMENTARY SYSTEM				
None				
MUSCULOSKELETAL SYSTEM				
None				
NERVOUS SYSTEM				
Brain	(5)	(0)	(0)	(5)
RESPIRATORY SYSTEM				
Lung	(5)	(0)	(0)	(5)
SPECIAL SENSES SYSTEM				
None				
URINARY SYSTEM				
Kidney	(5)	(0)	(0)	(5)

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

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)

Experiment Number: 92013-02  
 Test Type: 14-DAY  
 Route: DOSED FEED  
 Species/Strain: Mouse/B6C3F1

**P18: INCIDENCE RATES OF NON-NEOPLASTIC LESIONS BY ANATOMIC SITE (a) WITH  
 AVERAGE SEVERITY GRADES[b]**  
 Test Compound: 4-Methylimidazole  
 CAS Number: 822-36-6

Date Report Requested: 10/16/2014  
 Time Report Requested: 17:12:31  
 First Dose M/F: NA / NA  
 Lab: MBA

B6C3F1 Mouse FEMALE	VEHICLE CONTROL	300 PPM	800 PPM	2500 PPM
<b>Disposition Summary</b>				
Animals Initially In Study	5	5	5	5
Early Deaths				
Survivors				
Terminal Sacrifice	5	5	5	5
Animals Examined Microscopically	5			5
<b>ALIMENTARY SYSTEM</b>				
Liver	(5)	(0)	(0)	(5)
Inflammation, Chronic Active, Focal Periportal, Vacuolization Cytoplasmic	4 [1.3]			5 [1.0]
Vacuolization Cytoplasmic, Diffuse	3 [1.0]			2 [1.0]
Stomach, Forestomach	(5)	(0)	(0)	1 [1.0]
Stomach, Glandular	(5)	(0)	(0)	(5)
<b>CARDIOVASCULAR SYSTEM</b>				
Heart	(5)	(0)	(0)	(5)
<b>ENDOCRINE SYSTEM</b>				
Adrenal Cortex	(5)	(0)	(0)	(5)
Adrenal Medulla	(5)	(0)	(0)	(3)
Pituitary Gland	(5)	(0)	(0)	(5)
Thyroid Gland	(5)	(0)	(0)	(5)
<b>GENERAL BODY SYSTEM</b>				
None				
<b>GENITAL SYSTEM</b>				
Ovary	(5)	(0)	(0)	(5)
Uterus	(0)	(0)	(0)	(1)
Congestion				1 [2.0]

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)

Experiment Number: 92013-02  
Test Type: 14-DAY  
Route: DOSED FEED  
Species/Strain: Mouse/B6C3F1

**P18: INCIDENCE RATES OF NON-NEOPLASTIC LESIONS BY ANATOMIC SITE (a) WITH  
AVERAGE SEVERITY GRADES[b]**  
Test Compound: 4-Methylimidazole  
CAS Number: 822-36-6

Date Report Requested: 10/16/2014  
Time Report Requested: 17:12:31  
First Dose M/F: NA / NA  
Lab: MBA

B6C3F1 Mouse FEMALE	VEHICLE CONTROL	300 PPM	800 PPM	2500 PPM
HEMATOPOIETIC SYSTEM				
Spleen	(5)	(0)	(0)	(5)
Hematopoietic Cell Proliferation	4 [1.3]			4 [1.3]
Thymus	(5)	(0)	(0)	(4)
INTEGUMENTARY SYSTEM				
None				
MUSCULOSKELETAL SYSTEM				
None				
NERVOUS SYSTEM				
Brain	(5)	(0)	(0)	(5)
RESPIRATORY SYSTEM				
Lung	(5)	(0)	(0)	(5)
Artery, Inflammation, Chronic Active	1 [1.0]			
SPECIAL SENSES SYSTEM				
None				
URINARY SYSTEM				
Kidney	(5)	(0)	(0)	(5)

\*\* 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)