

Experiment Number: 92013-01
Test Type: 14-DAY
Route: DOSED FEED
Species/Strain: Rat/F 344/N

**P05: INCIDENCE RATES OF NEOPLASMS BY ANATOMIC SITE (SYSTEMIC LESIONS
ABRIDGED) (a)**

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

Date Report Requested: 10/22/2014
Time Report Requested: 06:25:23
First Dose M/F: NA / NA
Lab: MBA

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

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P05: INCIDENCE RATES OF NEOPLASMS BY ANATOMIC SITE (SYSTEMIC LESIONS ABRIDGED) (a)

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Date Report Requested: 10/22/2014

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First Dose M/F: NA / NA

Lab: MBA

F 344/N Rat MALE	VEHICLE CONTROL	300 PPM	800 PPM	2500 PPM
Disposition Summary				
Animals Initially In Study	5	5	5	5
Early Deaths				
Survivors				
Terminal Sacrifice	5	5	5	5
Animals Examined Microscopically	5			5
ALIMENTARY SYSTEM				
Liver	(5)	(0)	(0)	(5)
Stomach, Forestomach	(5)	(0)	(0)	(5)
Stomach, Glandular	(5)	(0)	(0)	(5)
CARDIOVASCULAR SYSTEM				
Heart	(5)	(0)	(0)	(5)
ENDOCRINE SYSTEM				
Adrenal Cortex	(5)	(0)	(0)	(5)
Adrenal Medulla	(5)	(0)	(0)	(5)
Pituitary Gland	(5)	(0)	(0)	(5)
Thyroid Gland	(5)	(0)	(0)	(5)
GENERAL BODY SYSTEM				
None				
GENITAL SYSTEM				
Testes	(5)	(0)	(0)	(5)
HEMATOPOIETIC SYSTEM				
Spleen	(5)	(0)	(0)	(5)
Thymus	(5)	(0)	(0)	(5)
INTEGUMENTARY SYSTEM				

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

b - Primary tumors: all tumors except metastatic tumors

* Number of animals with any tissue examined microscopically

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F 344/N Rat MALE	VEHICLE CONTROL	300 PPM	800 PPM	2500 PPM
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)

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

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F 344/N Rat MALE

VEHICLE CONTROL

300 PPM

800 PPM

2500 PPM

Tumor Summary for MALE

Total Animals with Primary Neoplasms (b)

Total Primary Neoplasms

Total Animals with Benign Neoplasms

Total Benign Neoplasms

Total Animals with Malignant Neoplasms

Total Malignant Neoplasms

Total Animals with Metastatic Neoplasms

Total Metastatic Neoplasms

**Total Animals with Malignant Neoplasms
Uncertain Primary Site**

**Total Animals with Neoplasms Uncertain -
Benign or Malignant**

Total Uncertain Neoplasms

END OF MALE DATA

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

b - Primary tumors: all tumors except metastatic tumors

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Lab: MBA

F 344/N Rat FEMALE	VEHICLE CONTROL	300 PPM	800 PPM	2500 PPM
Disposition Summary				
Animals Initially In Study	5	5	5	5
Early Deaths				
Survivors				
Terminal Sacrifice	5	5	5	5
Animals Examined Microscopically	5	1	2	5
ALIMENTARY SYSTEM				
Liver	(5)	(0)	(2)	(5)
Stomach, Forestomach	(5)	(0)	(0)	(5)
Stomach, Glandular	(5)	(0)	(0)	(5)
CARDIOVASCULAR SYSTEM				
Heart	(5)	(0)	(0)	(5)
ENDOCRINE SYSTEM				
Adrenal Cortex	(5)	(0)	(0)	(5)
Adrenal Medulla	(5)	(0)	(0)	(4)
Pituitary Gland	(5)	(0)	(0)	(5)
Thyroid Gland	(5)	(0)	(0)	(5)
GENERAL BODY SYSTEM				
None				
GENITAL SYSTEM				
Ovary	(5)	(0)	(0)	(5)
Uterus	(0)	(1)	(0)	(0)
HEMATOPOIETIC SYSTEM				
Spleen	(5)	(0)	(0)	(5)
Thymus	(5)	(0)	(0)	(5)

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

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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)	(1)	(0)	(5)

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

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F 344/N Rat FEMALE

VEHICLE CONTROL

300 PPM

800 PPM

2500 PPM

Tumor Summary for FEMALE

Total Animals with Primary Neoplasms (b)

Total Primary Neoplasms

Total Animals with Benign Neoplasms

Total Benign Neoplasms

Total Animals with Malignant Neoplasms

Total Malignant Neoplasms

Total Animals with Metastatic Neoplasms

Total Metastatic Neoplasms

**Total Animals with Malignant Neoplasms
Uncertain Primary Site**

**Total Animals with Neoplasms Uncertain -
Benign or Malignant**

Total Uncertain Neoplasms

**** END OF REPORT ****

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

b - Primary tumors: all tumors except metastatic tumors

* Number of animals with any tissue examined microscopically