

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

P02: INCIDENCE RATES OF NEOPLASMS BY ANATOMIC SITE (a)
Test Compound: 4-Methylimidazole
CAS Number: 822-36-6

Date Report Requested: 10/22/2014
Time Report Requested: 06:25:15
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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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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|------------------------|-----------------|---------|---------|----------|
| 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) |

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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

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

* Number of animals with any tissue examined microscopically

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First Dose M/F: NA / NA

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

b - Primary tumors: all tumors except metastatic tumors

* Number of animals with any tissue examined microscopically

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| F 344/N Rat FEMALE | VEHICLE CONTROL | 300 PPM | 800 PPM | 2500 PPM |
|------------------------|-----------------|---------|---------|----------|
| 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

b - Primary tumors: all tumors except metastatic tumors

* Number of animals with any tissue examined microscopically

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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