

**Experiment Number:** 20605 - 98

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

**Date Report Requested:** 05/13/2019

**Test Type:** SPECIAL STUDY

Gum Guggul Extract

**Time Report Requested:** 15:00:27

**Route:** GAVAGE

**CAS Number:** GUMGUGGULEXT

**First Dose M/F:** 07/31/09 / 07/30/09

**Species/Strain:** MICE/B6C3F1

**Lab:** BAT

**NTP Study Number:** C20605  
**Lock Date:** Not Entered.  
**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:** NONE

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CAS Number: GUMGUGGULEXT

First Dose M/F: 07/31/09 / 07/30/09

Species/Strain: MICE/B6C3F1

Lab: BAT

| B6C3F1 MICE MALE                 | 0 mg/kg | 15.5 mg/kg | 31 mg/kg | 62.5 mg/kg | 125 mg/kg | 250 mg/kg |
|----------------------------------|---------|------------|----------|------------|-----------|-----------|
| <b>Disposition Summary</b>       |         |            |          |            |           |           |
| Animals Initially In Study       | 10      | 10         | 10       | 10         | 10        | 10        |
| Early Deaths                     |         |            |          |            |           |           |
| Survivors                        |         |            |          |            |           |           |
| Terminal Sacrifice               | 10      | 10         | 10       | 10         | 10        | 10        |
| Animals Examined Microscopically | 5       |            | 1        |            |           | 5         |
| <b>ALIMENTARY SYSTEM</b>         |         |            |          |            |           |           |
| Liver                            | (5)     | (0)        | (0)      | (0)        | (0)       | (5)       |
| Pancreas                         | (5)     | (0)        | (0)      | (0)        | (0)       | (5)       |
| <b>CARDIOVASCULAR SYSTEM</b>     |         |            |          |            |           |           |
| Blood Vessel                     | (5)     | (0)        | (0)      | (0)        | (0)       | (5)       |
| Heart                            | (5)     | (0)        | (0)      | (0)        | (0)       | (5)       |
| <b>ENDOCRINE SYSTEM</b>          |         |            |          |            |           |           |
| Adrenal Cortex                   | (5)     | (0)        | (0)      | (0)        | (0)       | (5)       |
| Adrenal Medulla                  | (5)     | (0)        | (0)      | (0)        | (0)       | (5)       |
| Islets, Pancreatic               | (5)     | (0)        | (0)      | (0)        | (0)       | (5)       |
| Parathyroid Gland                | (5)     | (0)        | (0)      | (0)        | (0)       | (3)       |
| Thyroid Gland                    | (5)     | (0)        | (0)      | (0)        | (0)       | (5)       |
| <b>GENERAL BODY SYSTEM</b>       |         |            |          |            |           |           |
| None                             |         |            |          |            |           |           |
| <b>GENITAL SYSTEM</b>            |         |            |          |            |           |           |
| Epididymis                       | (5)     | (0)        | (0)      | (0)        | (0)       | (5)       |
| Prostate                         | (5)     | (0)        | (0)      | (0)        | (0)       | (5)       |

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

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

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Test Type: SPECIAL STUDY

Gum Guggul Extract

Time Report Requested: 15:00:27

Route: GAVAGE

CAS Number: GUMGUGGULEXT

First Dose M/F: 07/31/09 / 07/30/09

Species/Strain: MICE/B6C3F1

Lab: BAT

| B6C3F1 MICE MALE              | 0 mg/kg | 15.5 mg/kg | 31 mg/kg | 62.5 mg/kg | 125 mg/kg | 250 mg/kg |
|-------------------------------|---------|------------|----------|------------|-----------|-----------|
| Seminal Vesicle               | (5)     | (0)        | (0)      | (0)        | (0)       | (5)       |
| Testes                        | (5)     | (0)        | (0)      | (0)        | (0)       | (5)       |
| <b>HEMATOPOIETIC SYSTEM</b>   |         |            |          |            |           |           |
| Spleen                        | (5)     | (0)        | (0)      | (0)        | (0)       | (5)       |
| <b>INTEGUMENTARY SYSTEM</b>   |         |            |          |            |           |           |
| None                          |         |            |          |            |           |           |
| <b>MUSCULOSKELETAL SYSTEM</b> |         |            |          |            |           |           |
| None                          |         |            |          |            |           |           |
| <b>NERVOUS SYSTEM</b>         |         |            |          |            |           |           |
| None                          |         |            |          |            |           |           |
| <b>RESPIRATORY SYSTEM</b>     |         |            |          |            |           |           |
| None                          |         |            |          |            |           |           |
| <b>SPECIAL SENSES SYSTEM</b>  |         |            |          |            |           |           |
| Eye                           | (0)     | (0)        | (1)      | (0)        | (0)       | (0)       |
| <b>URINARY SYSTEM</b>         |         |            |          |            |           |           |
| Kidney                        | (5)     | (0)        | (0)      | (0)        | (0)       | (5)       |

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

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Species/Strain: MICE/B6C3F1

Lab: BAT

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|                  |         |            |          |            |           |           |
|------------------|---------|------------|----------|------------|-----------|-----------|
| B6C3F1 MICE MALE | 0 mg/kg | 15.5 mg/kg | 31 mg/kg | 62.5 mg/kg | 125 mg/kg | 250 mg/kg |
|------------------|---------|------------|----------|------------|-----------|-----------|

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## Tumor Summary for Males

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

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

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

b - Primary tumors: all tumors except metastatic tumors

Test Type: SPECIAL STUDY

Gum Guggul Extract

Time Report Requested: 15:00:27

Route: GAVAGE

CAS Number: GUMGUGGULEXT

First Dose M/F: 07/31/09 / 07/30/09

Species/Strain: MICE/B6C3F1

Lab: BAT

| B6C3F1 MICE FEMALE | 0 mg/kg | 15.5 mg/kg | 31 mg/kg | 62.5 mg/kg | 125 mg/kg | 250 mg/kg |
|--------------------|---------|------------|----------|------------|-----------|-----------|
|--------------------|---------|------------|----------|------------|-----------|-----------|

**Disposition Summary**

|                                  |    |    |    |    |    |    |
|----------------------------------|----|----|----|----|----|----|
| Animals Initially In Study       | 10 | 10 | 10 | 10 | 10 | 10 |
| Early Deaths                     |    |    |    |    |    |    |
| Survivors                        |    |    |    |    |    |    |
| Terminal Sacrifice               | 10 | 10 | 10 | 10 | 10 | 10 |
| Animals Examined Microscopically | 5  |    |    |    |    | 5  |

## ALIMENTARY SYSTEM

|          |     |     |     |     |     |     |
|----------|-----|-----|-----|-----|-----|-----|
| Liver    | (5) | (0) | (0) | (0) | (0) | (5) |
| Pancreas | (5) | (0) | (0) | (0) | (0) | (5) |

## CARDIOVASCULAR SYSTEM

|              |     |     |     |     |     |     |
|--------------|-----|-----|-----|-----|-----|-----|
| Blood Vessel | (5) | (0) | (0) | (0) | (0) | (5) |
| Heart        | (5) | (0) | (0) | (0) | (0) | (5) |

## ENDOCRINE SYSTEM

|                    |     |     |     |     |     |     |
|--------------------|-----|-----|-----|-----|-----|-----|
| Adrenal Cortex     | (5) | (0) | (0) | (0) | (0) | (5) |
| Adrenal Medulla    | (5) | (0) | (0) | (0) | (0) | (5) |
| Islets, Pancreatic | (5) | (0) | (0) | (0) | (0) | (5) |
| Parathyroid Gland  | (5) | (0) | (0) | (0) | (0) | (5) |
| Thyroid Gland      | (5) | (0) | (0) | (0) | (0) | (5) |

## GENERAL BODY SYSTEM

None

## GENITAL SYSTEM

|                |     |     |     |     |     |     |
|----------------|-----|-----|-----|-----|-----|-----|
| Clitoral Gland | (5) | (0) | (0) | (0) | (0) | (5) |
| Ovary          | (5) | (0) | (0) | (0) | (0) | (5) |

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Lab: BAT

| B6C3F1 MICE FEMALE            | 0 mg/kg | 15.5 mg/kg | 31 mg/kg | 62.5 mg/kg | 125 mg/kg | 250 mg/kg |
|-------------------------------|---------|------------|----------|------------|-----------|-----------|
| Choriocarcinoma               | 1 (20%) |            |          |            |           |           |
| Granulosa Cell Tumor Benign   | 1 (20%) |            |          |            |           |           |
| Uterus                        | (5)     | (0)        | (0)      | (0)        | (0)       | (5)       |
| <b>HEMATOPOIETIC SYSTEM</b>   |         |            |          |            |           |           |
| Spleen                        | (5)     | (0)        | (0)      | (0)        | (0)       | (5)       |
| <b>INTEGUMENTARY SYSTEM</b>   |         |            |          |            |           |           |
| None                          |         |            |          |            |           |           |
| <b>MUSCULOSKELETAL SYSTEM</b> |         |            |          |            |           |           |
| None                          |         |            |          |            |           |           |
| <b>NERVOUS SYSTEM</b>         |         |            |          |            |           |           |
| None                          |         |            |          |            |           |           |
| <b>RESPIRATORY SYSTEM</b>     |         |            |          |            |           |           |
| None                          |         |            |          |            |           |           |
| <b>SPECIAL SENSES SYSTEM</b>  |         |            |          |            |           |           |
| None                          |         |            |          |            |           |           |
| <b>URINARY SYSTEM</b>         |         |            |          |            |           |           |
| Kidney                        | (5)     | (0)        | (0)      | (0)        | (0)       | (5)       |

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

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B6C3F1 MICE FEMALE

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15.5 mg/kg

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125 mg/kg

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|                    |         |            |          |            |           |           |
|--------------------|---------|------------|----------|------------|-----------|-----------|
| B6C3F1 MICE FEMALE | 0 mg/kg | 15.5 mg/kg | 31 mg/kg | 62.5 mg/kg | 125 mg/kg | 250 mg/kg |
|--------------------|---------|------------|----------|------------|-----------|-----------|

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**Tumor Summary for Females**

Total Animals with Primary Neoplasms (b) 1

Total Primary Neoplasms 2

Total Animals with Benign Neoplasms 1

Total Benign Neoplasms 1

Total Animals with Malignant Neoplasms 1

Total Malignant Neoplasms 1

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

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\*\*\* 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