

**Experiment Number:** 20605 - 99

**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:** 15:00:28

**Route:** GAVAGE

**CAS Number:** GUMGUGGULEXT

**First Dose M/F:** 07/23/09 / 07/24/09

**Species/Strain:** RATS/HSD

**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

Test Type: SPECIAL STUDY

Gum Guggul Extract

Time Report Requested: 15:00:28

Route: GAVAGE

CAS Number: GUMGUGGULEXT

First Dose M/F: 07/23/09 / 07/24/09

Species/Strain: RATS/HSD

Lab: BAT

Harlan Sprague Dawley RATS MALE	0 mg/kg	62.5 mg/kg	125 mg/kg	250 mg/kg	500 mg/kg	1000 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	10	2	1	2		10

## ALIMENTARY SYSTEM

Liver	(10)	(0)	(0)	(0)	(0)	(10)
Pancreas	(10)	(0)	(0)	(0)	(0)	(10)
Stomach, Forestomach	(0)	(2)	(0)	(0)	(0)	(0)

## CARDIOVASCULAR SYSTEM

Blood Vessel	(10)	(0)	(0)	(0)	(0)	(10)
Heart	(10)	(0)	(1)	(0)	(0)	(10)

## ENDOCRINE SYSTEM

Adrenal Cortex	(10)	(0)	(0)	(0)	(0)	(10)
Adrenal Medulla	(10)	(0)	(0)	(0)	(0)	(10)
Islets, Pancreatic	(10)	(0)	(0)	(0)	(0)	(10)
Parathyroid Gland	(10)	(0)	(0)	(0)	(0)	(9)
Thyroid Gland	(10)	(0)	(0)	(0)	(0)	(10)

## GENERAL BODY SYSTEM

None

## GENITAL SYSTEM

Epididymis	(10)	(0)	(0)	(0)	(0)	(10)
------------	------	-----	-----	-----	-----	------

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

Test Type: SPECIAL STUDY

Gum Guggul Extract

Time Report Requested: 15:00:28

Route: GAVAGE

CAS Number: GUMGUGGULEXT

First Dose M/F: 07/23/09 / 07/24/09

Species/Strain: RATS/HSD

Lab: BAT

Harlan Sprague Dawley RATS MALE	0 mg/kg	62.5 mg/kg	125 mg/kg	250 mg/kg	500 mg/kg	1000 mg/kg
Prostate	(10)	(0)	(0)	(0)	(0)	(10)
Seminal Vesicle	(10)	(0)	(0)	(0)	(0)	(10)
Testes	(10)	(0)	(0)	(0)	(0)	(10)

## HEMATOPOIETIC SYSTEM

Spleen	(10)	(0)	(0)	(0)	(0)	(10)
Thymus	(0)	(0)	(0)	(2)	(0)	(0)

## INTEGUMENTARY SYSTEM

None

## MUSCULOSKELETAL SYSTEM

None

## NERVOUS SYSTEM

None

## RESPIRATORY SYSTEM

None

## SPECIAL SENSES SYSTEM

None

## URINARY SYSTEM

Kidney	(10)	(0)	(0)	(0)	(0)	(10)
--------	------	-----	-----	-----	-----	------

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

Experiment Number: 20605 - 99

**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: 15:00:28

Route: GAVAGE

CAS Number: GUMGUGGULEXT

First Dose M/F: 07/23/09 / 07/24/09

Species/Strain: RATS/HSD

Lab: BAT

---

Harlan Sprague Dawley RATS MALE

0 mg/kg

62.5 mg/kg

125 mg/kg

250 mg/kg

500 mg/kg

1000 mg/kg

---

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

Experiment Number: 20605 - 99

**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: 15:00:28

Route: GAVAGE

CAS Number: GUMGUGGULEXT

First Dose M/F: 07/23/09 / 07/24/09

Species/Strain: RATS/HSD

Lab: BAT

---

Harlan Sprague Dawley RATS MALE	0 mg/kg	62.5 mg/kg	125 mg/kg	250 mg/kg	500 mg/kg	1000 mg/kg
---------------------------------	---------	------------	-----------	-----------	-----------	------------

---

**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

---

\*\*\* 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: 15:00:28

Route: GAVAGE

CAS Number: GUMGUGGULEXT

First Dose M/F: 07/23/09 / 07/24/09

Species/Strain: RATS/HSD

Lab: BAT

Harlan Sprague Dawley RATS FEMALE	0 mg/kg	62.5 mg/kg	125 mg/kg	250 mg/kg	500 mg/kg	1000 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	10	3	1	3	2	10

## ALIMENTARY SYSTEM

Liver	(10)	(1)	(0)	(0)	(0)	(10)
Pancreas	(10)	(0)	(0)	(0)	(0)	(10)

## CARDIOVASCULAR SYSTEM

Blood Vessel	(10)	(0)	(0)	(0)	(0)	(10)
Heart	(10)	(0)	(0)	(0)	(0)	(10)

## ENDOCRINE SYSTEM

Adrenal Cortex	(10)	(0)	(0)	(0)	(0)	(10)
Adrenal Medulla	(10)	(0)	(0)	(0)	(0)	(10)
Islets, Pancreatic	(10)	(0)	(0)	(0)	(0)	(10)
Parathyroid Gland	(9)	(0)	(0)	(0)	(0)	(8)
Thyroid Gland	(10)	(0)	(0)	(0)	(0)	(10)

## GENERAL BODY SYSTEM

None

## GENITAL SYSTEM

Clitoral Gland	(10)	(0)	(0)	(0)	(0)	(10)
Ovary	(10)	(0)	(0)	(0)	(0)	(10)

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

Experiment Number: 20605 - 99

**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: 15:00:28

Route: GAVAGE

CAS Number: GUMGUGGULEXT

First Dose M/F: 07/23/09 / 07/24/09

Species/Strain: RATS/HSD

Lab: BAT

Harlan Sprague Dawley RATS FEMALE	0 mg/kg	62.5 mg/kg	125 mg/kg	250 mg/kg	500 mg/kg	1000 mg/kg
Uterus	(10)	(0)	(0)	(0)	(0)	(10)
<b>HEMATOPOIETIC SYSTEM</b>						
Spleen	(10)	(0)	(0)	(0)	(0)	(10)
Thymus	(0)	(2)	(1)	(3)	(2)	(1)
<b>INTEGUMENTARY SYSTEM</b>						
None						
<b>MUSCULOSKELETAL SYSTEM</b>						
Skeletal Muscle	(0)	(1)	(0)	(0)	(0)	(0)
<b>NERVOUS SYSTEM</b>						
None						
<b>RESPIRATORY SYSTEM</b>						
None						
<b>SPECIAL SENSES SYSTEM</b>						
None						
<b>URINARY SYSTEM</b>						
Kidney	(10)	(0)	(0)	(0)	(0)	(10)

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

Experiment Number: 20605 - 99

**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: 15:00:28

Route: GAVAGE

CAS Number: GUMGUGGULEXT

First Dose M/F: 07/23/09 / 07/24/09

Species/Strain: RATS/HSD

Lab: BAT

---

Harlan Sprague Dawley RATS FEMALE

0 mg/kg

62.5 mg/kg

125 mg/kg

250 mg/kg

500 mg/kg

1000 mg/kg

---

## Tumor Summary for Females

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