

Experiment Number: 20605 - 99
Test Type: SPECIAL STUDY
Route: GAVAGE
Species/Strain: RATS/HSD

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
Gum Guggul Extract
CAS Number: GUMGUGGULEXT

Date Report Requested: 05/13/2019
Time Report Requested: 15:00:28
First Dose M/F: 07/23/09 / 07/24/09
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

Experiment Number: 20605 - 99

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

Lab: BAT

DAY ON TEST	0	0	0	0	0	0	0	0	0	0	ANIMAL ID		
	0	0	0	0	0	0	0	0	0	0			
HARLAN SPRAGUE DAWLEY RATS	2	2	2	2	2	2	2	2	2	2			
MALE	8	8	8	8	8	8	8	8	8	8			
0 mg/kg	0	0	0	0	0	0	0	0	0	0			
	0	0	0	0	0	0	0	0	0	0			
	1	1	1	1	1	1	1	1	1	1			
	2	2	2	2	2	2	2	2	2	3			
	1	2	3	4	5	6	7	8	9	0			* TOTALS
Epididymis	+	+	+	+	+	+	+	+	+	+			10
Prostate	+	+	+	+	+	+	+	+	+	+			10
Seminal Vesicle	+	+	+	+	+	+	+	+	+	+			10
Testes	+	+	+	+	+	+	+	+	+	+			10
HEMATOPOIETIC SYSTEM													
Spleen	+	+	+	+	+	+	+	+	+	+			10
INTEGUMENTARY SYSTEM													
NONE													
MUSCULOSKELETAL SYSTEM													
NONE													
NERVOUS SYSTEM													
NONE													
RESPIRATORY SYSTEM													
NONE													
SPECIAL SENSES SYSTEM													
NONE													

* .. Total animals with tissue examined microscopically; Total animals with tumor
+ .. Tissue examined microscopically
X .. Lesion present
I .. Insufficient tissue

M .. Missing tissue
A .. Autolysis precludes evaluation
BLANK .. Not examined microscopically

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Route: GAVAGE

Species/Strain: RATS/HSD

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Date Report Requested: 05/13/2019

Time Report Requested: 15:00:28

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

Lab: BAT

HARLAN SPRAGUE DAWLEY RATS MALE 0 mg/kg	DAY ON TEST	0	0	0	0	0	0	0	0	0	* TOTALS
		0	0	0	0	0	0	0	0	0	
		2	2	2	2	2	2	2	2	2	
		8	8	8	8	8	8	8	8	8	
	ANIMAL ID	0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	
		1	1	1	1	1	1	1	1	1	
		2	2	2	2	2	2	2	2	3	
		1	2	3	4	5	6	7	8	9	
		0	0	0	0	0	0	0	0	0	

URINARY SYSTEM

Kidney	+	+	+	+	+	+	+	+	+	+	10
--------	---	---	---	---	---	---	---	---	---	---	-----------

SYSTEMIC LESIONS

Multiple Organ	+	+	+	+	+	+	+	+	+	+	10
----------------	---	---	---	---	---	---	---	---	---	---	-----------

* .. Total animals with tissue examined microscopically; Total animals with tumor
+ .. Tissue examined microscopically
X .. Lesion present
I .. Insufficient tissue

M .. Missing tissue
A .. Autolysis precludes evaluation
BLANK .. Not examined microscopically

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P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Gum Guggul Extract
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Date Report Requested: 05/13/2019
 Time Report Requested: 15:00:28
 First Dose M/F: 07/23/09 / 07/24/09
 Lab: BAT

HARLAN SPRAGUE DAWLEY RATS MALE 62.5 mg/kg	DAY ON TEST	0	0	0	0	0	0	0	0	0	0	0	0	0
	ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0	0	0
		2	2	2	2	2	2	2	2	2	2	2	2	2
		8	8	8	8	8	8	8	8	8	8	8	8	8
		0	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	0	0	0	0
		1	1	1	1	1	1	1	1	1	1	1	1	1
		3	3	3	3	3	3	3	3	3	3	3	4	4
		1	2	3	4	5	6	7	8	9	0	0	0	0
* TOTALS														

ALIMENTARY SYSTEM

Stomach, Forestomach

+

+

2

CARDIOVASCULAR SYSTEM

NONE

ENDOCRINE SYSTEM

NONE

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

NONE

HEMATOPOIETIC SYSTEM

NONE

INTEGUMENTARY SYSTEM

NONE

MUSCULOSKELETAL SYSTEM

NONE

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

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CAS Number: GUMGUGGULEXT

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Time Report Requested: 15:00:28

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

Lab: BAT

HARLAN SPRAGUE DAWLEY RATS MALE 62.5 mg/kg	DAY ON TEST	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	0	0	0	0
		2	2	2	2	2	2	2	2	2	2	2	2	2
		8	8	8	8	8	8	8	8	8	8	8	8	8
	ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	0	0	0	0
		1	1	1	1	1	1	1	1	1	1	1	1	1
		3	3	3	3	3	3	3	3	3	3	3	4	4
		1	2	3	4	5	6	7	8	9	0	0	0	0
* TOTALS														

NERVOUS SYSTEM

NONE

RESPIRATORY SYSTEM

NONE

SPECIAL SENSES SYSTEM

NONE

URINARY SYSTEM

NONE

SYSTEMIC LESIONS

Multiple Organ

+

+

2

* .. Total animals with tissue examined microscopically; Total animals with tumor
+ .. Tissue examined microscopically
X .. Lesion present
I .. Insufficient tissue

M .. Missing tissue
A .. Autolysis precludes evaluation
BLANK .. Not examined microscopically

Experiment Number: 20605 - 99

Test Type: SPECIAL STUDY

Route: GAVAGE

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Date Report Requested: 05/13/2019

Time Report Requested: 15:00:28

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

Lab: BAT

HARLAN SPRAGUE DAWLEY RATS MALE 125 mg/kg	DAY ON TEST	0	0	0	0	0	0	0	0	0	0	0	0	0
	ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0	0	0
		2	2	2	2	2	2	2	2	2	2	2	2	2
		8	8	8	8	8	8	8	8	8	8	8	8	8
		1	1	1	1	1	1	1	1	1	1	1	1	1
		4	4	4	4	4	4	4	4	4	4	4	5	5
		1	2	3	4	5	6	7	8	9	0	0	0	0
* TOTALS														

ALIMENTARY SYSTEM

NONE

CARDIOVASCULAR SYSTEM

Heart

+

1

ENDOCRINE SYSTEM

NONE

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

NONE

HEMATOPOIETIC SYSTEM

NONE

INTEGUMENTARY SYSTEM

NONE

MUSCULOSKELETAL SYSTEM

NONE

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

Experiment Number: 20605 - 99

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Gum Guggul Extract

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Date Report Requested: 05/13/2019

Time Report Requested: 15:00:28

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

Lab: BAT

HARLAN SPRAGUE DAWLEY RATS MALE 125 mg/kg	DAY ON TEST	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	0
		2	2	2	2	2	2	2	2	2
		8	8	8	8	8	8	8	8	8
	ANIMAL ID	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	0
		1	1	1	1	1	1	1	1	1
		4	4	4	4	4	4	4	4	5
		1	2	3	4	5	6	7	8	9

* TOTALS

NERVOUS SYSTEM

NONE

RESPIRATORY SYSTEM

NONE

SPECIAL SENSES SYSTEM

NONE

URINARY SYSTEM

NONE

SYSTEMIC LESIONS

Multiple Organ

+

1

* .. Total animals with tissue examined microscopically; Total animals with tumor
+ .. Tissue examined microscopically
X .. Lesion present
I .. Insufficient tissue

M .. Missing tissue
A .. Autolysis precludes evaluation
BLANK .. Not examined microscopically

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 Time Report Requested: 15:00:28
 First Dose M/F: 07/23/09 / 07/24/09
 Lab: BAT

HARLAN SPRAGUE DAWLEY RATS MALE 250 mg/kg	DAY ON TEST	0	0	0	0	0	0	0	0	0	0	0	0
	ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0	0
		2	2	2	2	2	2	2	2	2	2	2	2
		8	8	8	8	8	8	8	8	8	8	8	8
		0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	0	0	0
		1	1	1	1	1	1	1	1	1	1	1	1
		5	5	5	5	5	5	5	5	5	5	6	6
		1	2	3	4	5	6	7	8	9	0	0	0
* TOTALS													

ALIMENTARY SYSTEM

NONE

CARDIOVASCULAR SYSTEM

NONE

ENDOCRINE SYSTEM

NONE

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

NONE

HEMATOPOIETIC SYSTEM

Thymus + + 2

INTEGUMENTARY SYSTEM

NONE

MUSCULOSKELETAL SYSTEM

NONE

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

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Time Report Requested: 15:00:28

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

Lab: BAT

HARLAN SPRAGUE DAWLEY RATS MALE 250 mg/kg	DAY ON TEST	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	0
		2	2	2	2	2	2	2	2	2
		8	8	8	8	8	8	8	8	8
	ANIMAL ID	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	0
		1	1	1	1	1	1	1	1	1
		5	5	5	5	5	5	5	5	6
		1	2	3	4	5	6	7	8	9

* TOTALS

NERVOUS SYSTEM

NONE

RESPIRATORY SYSTEM

NONE

SPECIAL SENSES SYSTEM

NONE

URINARY SYSTEM

NONE

SYSTEMIC LESIONS

Multiple Organ

+

+

2

* .. Total animals with tissue examined microscopically; Total animals with tumor
+ .. Tissue examined microscopically
X .. Lesion present
I .. Insufficient tissue

M .. Missing tissue
A .. Autolysis precludes evaluation
BLANK .. Not examined microscopically

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Test Type: SPECIAL STUDY

Route: GAVAGE

Species/Strain: RATS/HSD

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Gum Guggul Extract

CAS Number: GUMGUGGULEXT

Date Report Requested: 05/13/2019

Time Report Requested: 15:00:28

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

Lab: BAT

DAY ON TEST

**HARLAN SPRAGUE DAWLEY RATS
MALE**

500 mg/kg

ANIMAL ID

*** TOTALS**

ALIMENTARY SYSTEM

NONE

CARDIOVASCULAR SYSTEM

NONE

ENDOCRINE SYSTEM

NONE

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

NONE

HEMATOPOIETIC SYSTEM

NONE

INTEGUMENTARY SYSTEM

NONE

MUSCULOSKELETAL SYSTEM

NONE

* .. Total animals with tissue examined microscopically; Total animals with tumor
+ .. Tissue examined microscopically
X .. Lesion present
I .. Insufficient tissue

M .. Missing tissue
A .. Autolysis precludes evaluation
BLANK .. Not examined microscopically

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

DAY ON TEST

HARLAN SPRAGUE DAWLEY RATS
MALE

500 mg/kg

ANIMAL ID

* TOTALS

NERVOUS SYSTEM

NONE

RESPIRATORY SYSTEM

NONE

SPECIAL SENSES SYSTEM

NONE

URINARY SYSTEM

NONE

SYSTEMIC LESIONS

Multiple Organ

0

* .. Total animals with tissue examined microscopically; Total animals with tumor
+ .. Tissue examined microscopically
X .. Lesion present
I .. Insufficient tissue

M .. Missing tissue
A .. Autolysis precludes evaluation
BLANK .. Not examined microscopically

Experiment Number: 20605 - 99

Test Type: SPECIAL STUDY

Route: GAVAGE

Species/Strain: RATS/HSD

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Gum Guggul Extract

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Time Report Requested: 15:00:28

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

Lab: BAT

HARLAN SPRAGUE DAWLEY RATS MALE 1000 mg/kg	DAY ON TEST	0	0	0	0	0	0	0	0	0	
	ANIMAL ID	0	0	0	0	0	0	0	0	0	
		2	2	2	2	2	2	2	2	2	
		8	8	8	8	8	8	8	8	8	
		1	1	1	1	1	1	1	1	1	
		7	7	7	7	7	7	7	7	8	
		1	2	3	4	5	6	7	8	9	
											* TOTALS

ALIMENTARY SYSTEM

Liver	+	+	+	+	+	+	+	+	+	+	10
Pancreas	+	+	+	+	+	+	+	+	+	+	10

CARDIOVASCULAR SYSTEM

Blood Vessel	+	+	+	+	+	+	+	+	+	+	10
Heart	+	+	+	+	+	+	+	+	+	+	10

ENDOCRINE SYSTEM

Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	10
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	10
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	10
Parathyroid Gland	+	+	+	+	+	+	M	+	+	+	9
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	10

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

* .. Total animals with tissue examined microscopically; Total animals with tumor
+ .. Tissue examined microscopically
X .. Lesion present
I .. Insufficient tissue

M .. Missing tissue
A .. Autolysis precludes evaluation
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First Dose M/F: 07/23/09 / 07/24/09

Lab: BAT

DAY ON TEST	0	0	0	0	0	0	0	0	0	0	ANIMAL ID		
	0	0	0	0	0	0	0	0	0	0			
HARLAN SPRAGUE DAWLEY RATS	2	2	2	2	2	2	2	2	2	2			
MALE	8	8	8	8	8	8	8	8	8	8			
1000 mg/kg	0	0	0	0	0	0	0	0	0	0			
	0	0	0	0	0	0	0	0	0	0			
	1	1	1	1	1	1	1	1	1	1			
	7	7	7	7	7	7	7	7	7	8			
	1	2	3	4	5	6	7	8	9	0			* TOTALS
Epididymis	+	+	+	+	+	+	+	+	+	+			10
Prostate	+	+	+	+	+	+	+	+	+	+			10
Seminal Vesicle	+	+	+	+	+	+	+	+	+	+			10
Testes	+	+	+	+	+	+	+	+	+	+			10
HEMATOPOIETIC SYSTEM													
Spleen	+	+	+	+	+	+	+	+	+	+			10
INTEGUMENTARY SYSTEM													
NONE													
MUSCULOSKELETAL SYSTEM													
NONE													
NERVOUS SYSTEM													
NONE													
RESPIRATORY SYSTEM													
NONE													
SPECIAL SENSES SYSTEM													
NONE													

* .. Total animals with tissue examined microscopically; Total animals with tumor
+ .. Tissue examined microscopically
X .. Lesion present
I .. Insufficient tissue

M .. Missing tissue
A .. Autolysis precludes evaluation
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Experiment Number: 20605 - 99

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Time Report Requested: 15:00:28

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

Lab: BAT

HARLAN SPRAGUE DAWLEY RATS MALE 1000 mg/kg	DAY ON TEST	0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	
		2	2	2	2	2	2	2	2	2	
		8	8	8	8	8	8	8	8	8	
	ANIMAL ID	0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0		
		1	1	1	1	1	1	1	1		
		7	7	7	7	7	7	7	8		
		1	2	3	4	5	6	7	8	9	
* TOTALS											

URINARY SYSTEM

Kidney	+	+	+	+	+	+	+	+	+	+	10
--------	---	---	---	---	---	---	---	---	---	---	-----------

SYSTEMIC LESIONS

Multiple Organ	+	+	+	+	+	+	+	+	+	+	10
----------------	---	---	---	---	---	---	---	---	---	---	-----------

*** END OF MALE DATA ***

* .. Total animals with tissue examined microscopically; Total animals with tumor
+ .. Tissue examined microscopically
X .. Lesion present
I .. Insufficient tissue

M .. Missing tissue
A .. Autolysis precludes evaluation
BLANK .. Not examined microscopically

Experiment Number: 20605 - 99

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P04: NEOPLASMS BY INDIVIDUAL ANIMAL

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Date Report Requested: 05/13/2019

Time Report Requested: 15:00:28

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

Lab: BAT

HARLAN SPRAGUE DAWLEY RATS FEMALE 0 mg/kg	DAY ON TEST	0	0	0	0	0	0	0	0	0	0	
	ANIMAL ID	0	0	0	0	0	0	0	0	0	0	
		2	2	2	2	2	2	2	2	2	2	
		8	8	8	8	8	8	8	8	8	8	
		1	1	1	1	1	1	1	1	1	1	
		8	8	8	8	8	8	8	8	8	9	
		1	2	3	4	5	6	7	8	9	0	
* TOTALS												

ALIMENTARY SYSTEM

Liver	+	+	+	+	+	+	+	+	+	+	10
Pancreas	+	+	+	+	+	+	+	+	+	+	10

CARDIOVASCULAR SYSTEM

Blood Vessel	+	+	+	+	+	+	+	+	+	+	10
Heart	+	+	+	+	+	+	+	+	+	+	10

ENDOCRINE SYSTEM

Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	10
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	10
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	10
Parathyroid Gland	+	+	M	+	+	+	+	+	+	+	9
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	10

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

* .. Total animals with tissue examined microscopically; Total animals with tumor
+ .. Tissue examined microscopically
X .. Lesion present
I .. Insufficient tissue

M .. Missing tissue
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BLANK .. Not examined microscopically

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Gum Guggul Extract

CAS Number: GUMGUGGULEXT

Date Report Requested: 05/13/2019

Time Report Requested: 15:00:28

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

Lab: BAT

DAY ON TEST	0	0	0	0	0	0	0	0	0	0	ANIMAL ID		
	0	0	0	0	0	0	0	0	0	0			
HARLAN SPRAGUE DAWLEY RATS	2	2	2	2	2	2	2	2	2	2			
FEMALE	8	8	8	8	8	8	8	8	8	8			
0 mg/kg	0	0	0	0	0	0	0	0	0	0			
	0	0	0	0	0	0	0	0	0	0			
	1	1	1	1	1	1	1	1	1	1			
	8	8	8	8	8	8	8	8	8	9			
	1	2	3	4	5	6	7	8	9	0			* TOTALS
Clitoral Gland	+	+	+	+	+	+	+	+	+	+			10
Ovary	+	+	+	+	+	+	+	+	+	+			10
Uterus	+	+	+	+	+	+	+	+	+	+			10
HEMATOPOIETIC SYSTEM													
Spleen	+	+	+	+	+	+	+	+	+	+			10
INTEGUMENTARY SYSTEM													
NONE													
MUSCULOSKELETAL SYSTEM													
NONE													
NERVOUS SYSTEM													
NONE													
RESPIRATORY SYSTEM													
NONE													
SPECIAL SENSES SYSTEM													
NONE													
URINARY SYSTEM													

* .. Total animals with tissue examined microscopically; Total animals with tumor
+ .. Tissue examined microscopically
X .. Lesion present
I .. Insufficient tissue

M .. Missing tissue
A .. Autolysis precludes evaluation
BLANK .. Not examined microscopically

Experiment Number: 20605 - 99

Test Type: SPECIAL STUDY

Route: GAVAGE

Species/Strain: RATS/HSD

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Gum Guggul Extract

CAS Number: GUMGUGGULEXT

Date Report Requested: 05/13/2019

Time Report Requested: 15:00:28

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

Lab: BAT

DAY ON TEST	0	0	0	0	0	0	0	0	0	0	ANIMAL ID	
	2	2	2	2	2	2	2	2	2	2		
HARLAN SPRAGUE DAWLEY RATS	8	8	8	8	8	8	8	8	8	8		
FEMALE												
0 mg/kg												
	0	0	0	0	0	0	0	0	0	0		
	1	1	1	1	1	1	1	1	1	1		
	8	8	8	8	8	8	8	8	8	9		
	1	2	3	4	5	6	7	8	9	0		
											* TOTALS	
Kidney	+	+	+	+	+	+	+	+	+	+		10
SYSTEMIC LESIONS												
Multiple Organ	+	+	+	+	+	+	+	+	+	+		10

* .. Total animals with tissue examined microscopically; Total animals with tumor
+ .. Tissue examined microscopically
X .. Lesion present
I .. Insufficient tissue

M .. Missing tissue
A .. Autolysis precludes evaluation
BLANK .. Not examined microscopically

Experiment Number: 20605 - 99

Test Type: SPECIAL STUDY

Route: GAVAGE

Species/Strain: RATS/HSD

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Gum Guggul Extract

CAS Number: GUMGUGGULEXT

Date Report Requested: 05/13/2019

Time Report Requested: 15:00:28

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

Lab: BAT

HARLAN SPRAGUE DAWLEY RATS FEMALE 62.5 mg/kg	DAY ON TEST	0	0	0	0	0	0	0	0	0	0	0	0	0
	ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0	0	0
		2	2	2	2	2	2	2	2	2	2	2	2	2
		8	8	8	8	8	8	8	8	8	8	8	8	8
		0	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	0	0	0	0
		1	1	1	1	1	1	1	1	1	1	1	2	
		9	9	9	9	9	9	9	9	9	9	9	0	
		1	2	3	4	5	6	7	8	9	0	0		
* TOTALS														

ALIMENTARY SYSTEM

Liver + 1

CARDIOVASCULAR SYSTEM

NONE

ENDOCRINE SYSTEM

NONE

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

NONE

HEMATOPOIETIC SYSTEM

Thymus + + 2

INTEGUMENTARY SYSTEM

NONE

MUSCULOSKELETAL SYSTEM

Skeletal Muscle + 1

* .. Total animals with tissue examined microscopically; Total animals with tumor
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

Experiment Number: 20605 - 99

Test Type: SPECIAL STUDY

Route: GAVAGE

Species/Strain: RATS/HSD

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Gum Guggul Extract

CAS Number: GUMGUGGULEXT

Date Report Requested: 05/13/2019

Time Report Requested: 15:00:28

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

Lab: BAT

HARLAN SPRAGUE DAWLEY RATS FEMALE 62.5 mg/kg	DAY ON TEST	0	0	0	0	0	0	0	0	0	
	ANIMAL ID	0	0	0	0	0	0	0	0	0	
		2	2	2	2	2	2	2	2	2	
		8	8	8	8	8	8	8	8	8	
		1	1	1	1	1	1	1	1	2	
		9	9	9	9	9	9	9	9	0	
		1	2	3	4	5	6	7	8	9	
* TOTALS											

NERVOUS SYSTEM

NONE

RESPIRATORY SYSTEM

NONE

SPECIAL SENSES SYSTEM

NONE

URINARY SYSTEM

NONE

SYSTEMIC LESIONS

Multiple Organ											
		+	+							+	3

* .. Total animals with tissue examined microscopically; Total animals with tumor
+ .. Tissue examined microscopically
X .. Lesion present
I .. Insufficient tissue

M .. Missing tissue
A .. Autolysis precludes evaluation
BLANK .. Not examined microscopically

Experiment Number: 20605 - 99

Test Type: SPECIAL STUDY

Route: GAVAGE

Species/Strain: RATS/HSD

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Gum Guggul Extract

CAS Number: GUMGUGGULEXT

Date Report Requested: 05/13/2019

Time Report Requested: 15:00:28

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

Lab: BAT

HARLAN SPRAGUE DAWLEY RATS FEMALE 125 mg/kg	DAY ON TEST	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	0
		2	2	2	2	2	2	2	2	2
		8	8	8	8	8	8	8	8	8
	ANIMAL ID	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	0
		2	2	2	2	2	2	2	2	2
		0	0	0	0	0	0	0	0	1
		1	2	3	4	5	6	7	8	9

* TOTALS

ALIMENTARY SYSTEM

NONE

CARDIOVASCULAR SYSTEM

NONE

ENDOCRINE SYSTEM

NONE

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

NONE

HEMATOPOIETIC SYSTEM

Thymus											+											1
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INTEGUMENTARY SYSTEM

NONE

MUSCULOSKELETAL SYSTEM

NONE

* .. Total animals with tissue examined microscopically; Total animals with tumor
+ .. Tissue examined microscopically
X .. Lesion present
I .. Insufficient tissue

M .. Missing tissue
A .. Autolysis precludes evaluation
BLANK .. Not examined microscopically

Experiment Number: 20605 - 99

Test Type: SPECIAL STUDY

Route: GAVAGE

Species/Strain: RATS/HSD

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Gum Guggul Extract

CAS Number: GUMGUGGULEXT

Date Report Requested: 05/13/2019

Time Report Requested: 15:00:28

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

Lab: BAT

HARLAN SPRAGUE DAWLEY RATS FEMALE 125 mg/kg	DAY ON TEST	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	0
		2	2	2	2	2	2	2	2	2
		8	8	8	8	8	8	8	8	8
	ANIMAL ID	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	0
		2	2	2	2	2	2	2	2	2
		0	0	0	0	0	0	0	0	1
		1	2	3	4	5	6	7	8	9

* TOTALS

NERVOUS SYSTEM

NONE

RESPIRATORY SYSTEM

NONE

SPECIAL SENSES SYSTEM

NONE

URINARY SYSTEM

NONE

SYSTEMIC LESIONS

Multiple Organ

+

1

* .. Total animals with tissue examined microscopically; Total animals with tumor
+ .. Tissue examined microscopically
X .. Lesion present
I .. Insufficient tissue

M .. Missing tissue
A .. Autolysis precludes evaluation
BLANK .. Not examined microscopically

Experiment Number: 20605 - 99

Test Type: SPECIAL STUDY

Route: GAVAGE

Species/Strain: RATS/HSD

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Gum Guggul Extract

CAS Number: GUMGUGGULEXT

Date Report Requested: 05/13/2019

Time Report Requested: 15:00:28

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

Lab: BAT

HARLAN SPRAGUE DAWLEY RATS FEMALE 250 mg/kg	DAY ON TEST	0	0	0	0	0	0	0	0	0	* TOTALS
		0	0	0	0	0	0	0	0	0	
		2	2	2	2	2	2	2	2	2	
		8	8	8	8	8	8	8	8	8	
	ANIMAL ID	0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	
		2	2	2	2	2	2	2	2	2	
		1	1	1	1	1	1	1	1	2	
		1	2	3	4	5	6	7	8	9	
		0	0	0	0	0	0	0	0	0	

NERVOUS SYSTEM

NONE

RESPIRATORY SYSTEM

NONE

SPECIAL SENSES SYSTEM

NONE

URINARY SYSTEM

NONE

SYSTEMIC LESIONS

Multiple Organ

+ + +

3

* .. Total animals with tissue examined microscopically; Total animals with tumor
+ .. Tissue examined microscopically
X .. Lesion present
I .. Insufficient tissue

M .. Missing tissue
A .. Autolysis precludes evaluation
BLANK .. Not examined microscopically

Experiment Number: 20605 - 99

Test Type: SPECIAL STUDY

Route: GAVAGE

Species/Strain: RATS/HSD

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Gum Guggul Extract

CAS Number: GUMGUGGULEXT

Date Report Requested: 05/13/2019

Time Report Requested: 15:00:28

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

Lab: BAT

DAY ON TEST	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
HARLAN SPRAGUE DAWLEY RATS FEMALE	2	2	2	2	2	2	2	2	2	2	
	8	8	8	8	8	8	8	8	8	8	
1000 mg/kg	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
ANIMAL ID	2	2	2	2	2	2	2	2	2	2	
	3	3	3	3	3	3	3	3	3	4	
	1	2	3	4	5	6	7	8	9	0	
											* TOTALS
Clitoral Gland	+	+	+	+	+	+	+	+	+	+	10
Ovary	+	+	+	+	+	+	+	+	+	+	10
Uterus	+	+	+	+	+	+	+	+	+	+	10
HEMATOPOIETIC SYSTEM											
Spleen	+	+	+	+	+	+	+	+	+	+	10
Thymus				+							1
INTEGUMENTARY SYSTEM											
NONE											
MUSCULOSKELETAL SYSTEM											
NONE											
NERVOUS SYSTEM											
NONE											
RESPIRATORY SYSTEM											
NONE											
SPECIAL SENSES SYSTEM											
NONE											

* .. Total animals with tissue examined microscopically; Total animals with tumor
+ .. Tissue examined microscopically
X .. Lesion present
I .. Insufficient tissue

M .. Missing tissue
A .. Autolysis precludes evaluation
BLANK .. Not examined microscopically

Experiment Number: 20605 - 99

Test Type: SPECIAL STUDY

Route: GAVAGE

Species/Strain: RATS/HSD

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Gum Guggul Extract

CAS Number: GUMGUGGULEXT

Date Report Requested: 05/13/2019

Time Report Requested: 15:00:28

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

Lab: BAT

HARLAN SPRAGUE DAWLEY RATS FEMALE 1000 mg/kg	DAY ON TEST	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	0
		2	2	2	2	2	2	2	2	2
		8	8	8	8	8	8	8	8	8
	ANIMAL ID	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	0
		2	2	2	2	2	2	2	2	2
		3	3	3	3	3	3	3	3	4
		1	2	3	4	5	6	7	8	9

* TOTALS

URINARY SYSTEM

Kidney	+	+	+	+	+	+	+	+	+	+	10
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SYSTEMIC LESIONS

Multiple Organ	+	+	+	+	+	+	+	+	+	+	10
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*** END OF REPORT ***

* .. Total animals with tissue examined microscopically; Total animals with tumor
+ .. Tissue examined microscopically
X .. Lesion present
I .. Insufficient tissue

M .. Missing tissue
A .. Autolysis precludes evaluation
BLANK .. Not examined microscopically