

TDMS No. 20701 - 99
Test Type: 18-33 DAYS
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
Gum Guggul 2.5% granules
CAS Number: GUMGUGGULEXT

Date Report Requested: 06/01/2011
Time Report Requested: 11:24:32
First Dose M/F: NA / 03/02/07
Lab: VCU

F1_M3

C Number: IM20701
Lock Date: 05/14/2009
Cage Range: ALL
Date Range: ALL
Reasons For Removal: ALL
Removal Date Range: ALL
Treatment Groups: Include 001 0 mg/kg
Include 004 125 mg/kg
Study Gender: Female
TDMSE Version: 2.4.1.0_004
PWG Approval Date: NONE

Include 002 31.25 mg/kg
Include 005 250 mg/kg

Include 003 62.5 mg/kg
Include 006 500 mg/kg

TDMS No. 20701 - 99
 Test Type: 18-33 DAYS
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Gum Guggul 2.5% granules
 CAS Number: GUMGUGGULEXT

Date Report Requested: 06/01/2011
 Time Report Requested: 11:24:32
 First Dose M/F: NA / 03/02/07
 Lab: VCU

B6C3F1 MICE FEMALE	DAY ON TEST	0	0	0	0	0	0	0	0	
		2	2	2	2	2	2	2	2	
0 mg/kg	ANIMAL ID	9	9	9	9	9	9	9	9	
		0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	
		2	2	2	3	3	3	3	3	
		9	9	9	0	0	0	0	0	
		7	8	9	0	1	2	3	4	
* TOTALS										

ALIMENTARY SYSTEM

Intestine Large, Cecum	+	+	+	+	+	+	+	+	8
Intestine Large, Colon	+	+	+	+	+	+	+	+	8
Intestine Large, Rectum	+	M	M	+	M	M	+	M	3
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	8
Intestine Small, Ileum	+	+	+	+	+	+	+	+	8
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	8
Liver	+	+	+	+	+	+	+	+	8
Stomach, Forestomach	+	+	+	+	+	+	+	+	8
Stomach, Glandular	+	+	+	+	+	+	+	+	8

CARDIOVASCULAR SYSTEM

NONE

ENDOCRINE SYSTEM

Adrenal Cortex	+	+	+	+	+	+	+	+	8
Adrenal Medulla	+	+	+	+	+	+	+	+	8

GENERAL BODY 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

TDMS No. 20701 - 99
 Test Type: 18-33 DAYS
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Gum Guggul 2.5% granules
 CAS Number: GUMGUGGULEXT

Date Report Requested: 06/01/2011
 Time Report Requested: 11:24:32
 First Dose M/F: NA / 03/02/07
 Lab: VCU

B6C3F1 MICE FEMALE	DAY ON TEST	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	
		2	2	2	2	2	2	2	2	
		9	9	9	9	9	9	9	9	
0 mg/kg	ANIMAL ID	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	
		2	2	2	3	3	3	3	3	
		9	9	9	0	0	0	0	0	
		7	8	9	0	1	2	3	4	
* TOTALS										

NONE

GENITAL SYSTEM

NONE

HEMATOPOIETIC SYSTEM

Bone Marrow	+	+	+	+	+	+	+	+	8
Bronchial Associated Lymphoid Tissue	M	M	M	M	M	M	M	M	0
Gut Associated Lymphoid Tissue	M	+	+	+	+	+	+	+	7
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	8
Popliteal Lymph Node	I	+	I	+	I	I	+	+	4
Spleen	+	+	+	+	+	+	+	+	8
Thymus	+	+	+	+	+	+	+	+	8

INTEGUMENTARY SYSTEM

NONE

MUSCULOSKELETAL SYSTEM

NONE

NERVOUS 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

TDMS No. 20701 - 99
 Test Type: 18-33 DAYS
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Gum Guggul 2.5% granules
 CAS Number: GUMGUGGULEXT

Date Report Requested: 06/01/2011
 Time Report Requested: 11:24:32
 First Dose M/F: NA / 03/02/07
 Lab: VCU

B6C3F1 MICE FEMALE	DAY ON TEST	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	
		2	2	2	2	2	2	2	2	
		9	9	9	9	9	9	9	9	
0 mg/kg	ANIMAL ID	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	
		2	2	2	3	3	3	3	3	
		9	9	9	0	0	0	0	0	
		7	8	9	0	1	2	3	4	
* TOTALS										

NONE

RESPIRATORY SYSTEM

Lung + + + + + + + + 8

SPECIAL SENSES SYSTEM

NONE

URINARY SYSTEM

Kidney + + + + + + + + 8

SYSTEMIC LESIONS

Multiple Organ + + + + + + + + 8

* .. 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

TDMS No. 20701 - 99
 Test Type: 18-33 DAYS
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Gum Guggul 2.5% granules
 CAS Number: GUMGUGGULEXT

Date Report Requested: 06/01/2011
 Time Report Requested: 11:24:32
 First Dose M/F: NA / 03/02/07
 Lab: VCU

B6C3F1 MICE FEMALE	DAY ON TEST	0	0	0	0	0	0	0	0	0
		ANIMAL ID	0	0	0	0	0	0	0	0
31.25 mg/kg		2	2	2	2	2	2	2	2	2
		9	9	9	9	9	9	9	9	9
		0	0	0	0	0	0	0	0	0
		3	3	3	3	3	3	3	3	3
		0	0	0	0	0	1	1	1	1
		5	6	7	8	9	0	1	1	2
* TOTALS										

ALIMENTARY SYSTEM

Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	8
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	8
Intestine Large, Rectum	M	+	+	+	+	M	+	+	+	6
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	8
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	8
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	8
Liver	+	+	+	+	+	+	+	+	+	8
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	8
Stomach, Glandular	+	+	+	+	+	+	+	+	+	8

CARDIOVASCULAR SYSTEM

NONE

ENDOCRINE SYSTEM

Adrenal Cortex	+	+	+	+	+	+	+	+	+	8
Adrenal Medulla	+	+	+	+	+	+	+	+	+	8

GENERAL BODY 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

TDMS No. 20701 - 99
 Test Type: 18-33 DAYS
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Gum Guggul 2.5% granules
 CAS Number: GUMGUGGULEXT

Date Report Requested: 06/01/2011
 Time Report Requested: 11:24:32
 First Dose M/F: NA / 03/02/07
 Lab: VCU

B6C3F1 MICE FEMALE	DAY ON TEST	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	
		2	2	2	2	2	2	2	2	
		9	9	9	9	9	9	9	9	
31.25 mg/kg	ANIMAL ID	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	
		3	3	3	3	3	3	3	3	
		0	0	0	0	0	1	1	1	
		5	6	7	8	9	0	1	2	
* TOTALS										

NONE

GENITAL SYSTEM

NONE

HEMATOPOIETIC SYSTEM

Bone Marrow	+	+	+	+	+	+	+	+	8
Bronchial Associated Lymphoid Tissue	M	M	M	M	M	M	M	M	0
Gut Associated Lymphoid Tissue	M	+	+	+	+	+	+	+	7
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	8
Popliteal Lymph Node	+	+	+	+	+	+	+	+	8
Spleen	+	+	+	+	+	+	+	+	8
Thymus	+	+	+	+	+	+	+	+	8

INTEGUMENTARY SYSTEM

NONE

MUSCULOSKELETAL SYSTEM

NONE

NERVOUS 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

TDMS No. 20701 - 99
 Test Type: 18-33 DAYS
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Gum Guggul 2.5% granules
 CAS Number: GUMGUGGULEXT

Date Report Requested: 06/01/2011
 Time Report Requested: 11:24:32
 First Dose M/F: NA / 03/02/07
 Lab: VCU

B6C3F1 MICE FEMALE	DAY ON TEST	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	
		2	2	2	2	2	2	2	2	
		9	9	9	9	9	9	9	9	
31.25 mg/kg	ANIMAL ID	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	
		3	3	3	3	3	3	3	3	
		0	0	0	0	0	1	1	1	
		5	6	7	8	9	0	1	2	* TOTALS

NONE

RESPIRATORY SYSTEM

Lung + + + + + + + + 8

SPECIAL SENSES SYSTEM

NONE

URINARY SYSTEM

Kidney + + + + + + + + 8

SYSTEMIC LESIONS

Multiple Organ + + + + + + + + 8

* .. 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

TDMS No. 20701 - 99
 Test Type: 18-33 DAYS
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Gum Guggul 2.5% granules
 CAS Number: GUMGUGGULEXT

Date Report Requested: 06/01/2011
 Time Report Requested: 11:24:32
 First Dose M/F: NA / 03/02/07
 Lab: VCU

B6C3F1 MICE FEMALE	DAY ON TEST	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	
		2	2	2	2	2	2	2	2	
		9	9	9	9	9	9	9	9	
62.5 mg/kg	ANIMAL ID	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	
		3	3	3	3	3	3	3	3	
		1	1	1	1	1	1	1	2	
		3	4	5	6	7	8	9	0	
* TOTALS										

ALIMENTARY SYSTEM

Intestine Large, Cecum	+	+	+	+	+	+	+	+	8
Intestine Large, Colon	+	+	+	+	+	+	+	+	8
Intestine Large, Rectum	M	+	+	M	M	+	M	M	3
Intestine Small, Duodenum	+	+	+	+	+	+	M	+	7
Intestine Small, Ileum	+	+	+	+	+	+	+	+	8
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	8
Liver	+	+	+	+	+	+	+	+	8
Stomach, Forestomach	+	+	+	+	+	+	+	+	8
Stomach, Glandular	+	+	+	+	+	+	+	+	8

CARDIOVASCULAR SYSTEM

NONE

ENDOCRINE SYSTEM

Adrenal Cortex	+	+	+	+	+	+	+	+	8
Adrenal Medulla	+	+	+	+	+	+	+	+	8

GENERAL BODY 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

TDMS No. 20701 - 99
 Test Type: 18-33 DAYS
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Gum Guggul 2.5% granules
 CAS Number: GUMGUGGULEXT

Date Report Requested: 06/01/2011
 Time Report Requested: 11:24:32
 First Dose M/F: NA / 03/02/07
 Lab: VCU

B6C3F1 MICE FEMALE	DAY ON TEST	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	
		2	2	2	2	2	2	2	2	
		9	9	9	9	9	9	9	9	
62.5 mg/kg	ANIMAL ID	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	
		3	3	3	3	3	3	3	3	
		1	1	1	1	1	1	1	2	
		3	4	5	6	7	8	9	0	* TOTALS

NONE

GENITAL SYSTEM

NONE

HEMATOPOIETIC SYSTEM

Bone Marrow	+	+	+	+	+	+	+	+	8
Bronchial Associated Lymphoid Tissue	M	M	M	M	M	M	M	M	0
Gut Associated Lymphoid Tissue	+	+	+	+	+	+	+	I	7
Lymph Node, Mesenteric	+	+	+	M	+	+	+	+	7
Popliteal Lymph Node	M	M	+	+	M	+	+	+	5
Spleen	+	+	+	+	+	+	+	+	8
Thymus	+	+	+	+	+	+	+	+	8

INTEGUMENTARY SYSTEM

NONE

MUSCULOSKELETAL SYSTEM

NONE

NERVOUS 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

TDMS No. 20701 - 99
 Test Type: 18-33 DAYS
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Gum Guggul 2.5% granules
 CAS Number: GUMGUGGULEXT

Date Report Requested: 06/01/2011
 Time Report Requested: 11:24:32
 First Dose M/F: NA / 03/02/07
 Lab: VCU

B6C3F1 MICE FEMALE	DAY ON TEST	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	
		2	2	2	2	2	2	2	2	
		9	9	9	9	9	9	9	9	
62.5 mg/kg	ANIMAL ID	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	
		3	3	3	3	3	3	3	3	
		1	1	1	1	1	1	1	2	
		3	4	5	6	7	8	9	0	* TOTALS

NONE

RESPIRATORY SYSTEM

Lung + + + + + + + + 8

SPECIAL SENSES SYSTEM

NONE

URINARY SYSTEM

Kidney + + + + + + + + 8

SYSTEMIC LESIONS

Multiple Organ + + + + + + + + 8

* .. 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

TDMS No. 20701 - 99
 Test Type: 18-33 DAYS
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Gum Guggul 2.5% granules
 CAS Number: GUMGUGGULEXT

Date Report Requested: 06/01/2011
 Time Report Requested: 11:24:32
 First Dose M/F: NA / 03/02/07
 Lab: VCU

B6C3F1 MICE 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		
		9	9	9	9	9	9	9	9	9		
		ANIMAL ID	0	0	0	0	0	0	0	0		
		0	0	0	0	0	0	0	0	0		
		3	3	3	3	3	3	3	3	3		
		2	2	2	2	2	2	2	2	2		
		1	2	3	4	5	6	7	8	8		
* TOTALS												

ALIMENTARY SYSTEM

Intestine Large, Cecum	+	+	+	+	+	+	+	+	8
Intestine Large, Colon	+	+	+	+	+	+	+	+	8
Intestine Large, Rectum	+	M	+	M	M	M	M	+	3
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	8
Intestine Small, Ileum	+	+	+	+	+	+	+	+	8
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	8
Liver	+	+	+	+	+	+	+	+	8
Stomach, Forestomach	+	+	+	+	+	+	+	+	8
Stomach, Glandular	+	+	+	+	+	+	+	+	8

CARDIOVASCULAR SYSTEM

NONE

ENDOCRINE SYSTEM

Adrenal Cortex	+	+	+	+	+	+	+	+	8
Adrenal Medulla	+	+	+	+	+	+	+	+	8

GENERAL BODY 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

TDMS No. 20701 - 99
 Test Type: 18-33 DAYS
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Gum Guggul 2.5% granules
 CAS Number: GUMGUGGULEXT

Date Report Requested: 06/01/2011
 Time Report Requested: 11:24:32
 First Dose M/F: NA / 03/02/07
 Lab: VCU

B6C3F1 MICE FEMALE	DAY ON TEST	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0
		2	2	2	2	2	2	2	2
		9	9	9	9	9	9	9	9
125 mg/kg	ANIMAL ID	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0
		3	3	3	3	3	3	3	3
		2	2	2	2	2	2	2	2
		1	2	3	4	5	6	7	8
* TOTALS									

NONE

GENITAL SYSTEM

NONE

HEMATOPOIETIC SYSTEM

Bone Marrow	+	+	+	+	+	+	+	+	8
Bronchial Associated Lymphoid Tissue	M	M	M	M	I	M	M	M	0
Gut Associated Lymphoid Tissue	+	M	+	+	+	+	+	+	7
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	8
Popliteal Lymph Node	I	+	+	+	+	+	+	+	7
Spleen	+	+	+	+	+	+	+	+	8
Thymus	+	+	+	+	+	+	+	+	8

INTEGUMENTARY SYSTEM

NONE

MUSCULOSKELETAL SYSTEM

NONE

NERVOUS 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

TDMS No. 20701 - 99
 Test Type: 18-33 DAYS
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Gum Guggul 2.5% granules
 CAS Number: GUMGUGGULEXT

Date Report Requested: 06/01/2011
 Time Report Requested: 11:24:32
 First Dose M/F: NA / 03/02/07
 Lab: VCU

B6C3F1 MICE FEMALE	DAY ON TEST	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	
		2	2	2	2	2	2	2	2	
		9	9	9	9	9	9	9	9	
125 mg/kg	ANIMAL ID	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	
		3	3	3	3	3	3	3	3	
		2	2	2	2	2	2	2	2	
		1	2	3	4	5	6	7	8	
* TOTALS										

NONE

RESPIRATORY SYSTEM

Lung + + + + + + + + 8

SPECIAL SENSES SYSTEM

NONE

URINARY SYSTEM

Kidney + + + + + + + + 8

SYSTEMIC LESIONS

Multiple Organ + + + + + + + + 8

* .. 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

TDMS No. 20701 - 99
 Test Type: 18-33 DAYS
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Gum Guggul 2.5% granules
 CAS Number: GUMGUGGULEXT

Date Report Requested: 06/01/2011
 Time Report Requested: 11:24:32
 First Dose M/F: NA / 03/02/07
 Lab: VCU

B6C3F1 MICE FEMALE	DAY ON TEST	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	
		2	2	2	2	2	2	2	2	
		9	9	9	9	9	9	9	9	
250 mg/kg	ANIMAL ID	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	
		3	3	3	3	3	3	3	3	
		2	3	3	3	3	3	3	3	
		9	0	1	2	3	4	5	6	* TOTALS

ALIMENTARY SYSTEM

Intestine Large, Cecum	+	+	+	+	+	+	+	+	8
Intestine Large, Colon	+	+	+	+	+	+	+	+	8
Intestine Large, Rectum	M	+	M	M	M	+	+	+	4
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	8
Intestine Small, Ileum	+	+	+	+	+	+	+	+	8
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	8
Liver	+	+	+	+	+	+	+	+	8
Stomach, Forestomach	+	+	+	+	+	+	+	+	8
Stomach, Glandular	+	+	+	+	+	+	+	+	8

CARDIOVASCULAR SYSTEM

NONE

ENDOCRINE SYSTEM

Adrenal Cortex	+	+	+	+	+	+	+	+	8
Adrenal Medulla	+	+	+	+	+	+	+	+	8

GENERAL BODY 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

TDMS No. 20701 - 99
 Test Type: 18-33 DAYS
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Gum Guggul 2.5% granules
 CAS Number: GUMGUGGULEXT

Date Report Requested: 06/01/2011
 Time Report Requested: 11:24:32
 First Dose M/F: NA / 03/02/07
 Lab: VCU

B6C3F1 MICE FEMALE	DAY ON TEST	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0
		2	2	2	2	2	2	2	2
		9	9	9	9	9	9	9	9
250 mg/kg	ANIMAL ID	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0
		3	3	3	3	3	3	3	3
		2	3	3	3	3	3	3	3
		9	0	1	2	3	4	5	6
* TOTALS									

NONE

GENITAL SYSTEM

NONE

HEMATOPOIETIC SYSTEM

Bone Marrow	+	+	+	+	+	+	+	+	8
Bronchial Associated Lymphoid Tissue	M	M	M	M	M	M	M	M	0
Gut Associated Lymphoid Tissue	+	M	+	+	+	+	+	+	7
Lymph Node, Mesenteric	+	I	+	+	+	+	+	+	7
Popliteal Lymph Node	+	M	+	+	I	+	+	+	6
Spleen	+	+	+	+	+	+	+	+	8
Thymus	+	+	+	+	+	+	+	+	8

INTEGUMENTARY SYSTEM

NONE

MUSCULOSKELETAL SYSTEM

NONE

NERVOUS 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

TDMS No. 20701 - 99
 Test Type: 18-33 DAYS
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Gum Guggul 2.5% granules
 CAS Number: GUMGUGGULEXT

Date Report Requested: 06/01/2011
 Time Report Requested: 11:24:32
 First Dose M/F: NA / 03/02/07
 Lab: VCU

B6C3F1 MICE FEMALE	DAY ON TEST	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	
		2	2	2	2	2	2	2	2	
		9	9	9	9	9	9	9	9	
250 mg/kg	ANIMAL ID	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	
		3	3	3	3	3	3	3	3	
		2	3	3	3	3	3	3	3	
		9	0	1	2	3	4	5	6	* TOTALS

NONE

RESPIRATORY SYSTEM

Lung + + + + + + + + 8

SPECIAL SENSES SYSTEM

NONE

URINARY SYSTEM

Kidney + + + + + + + + 8

SYSTEMIC LESIONS

Multiple Organ + + + + + + + + 8

* .. 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

TDMS No. 20701 - 99
 Test Type: 18-33 DAYS
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Gum Guggul 2.5% granules
 CAS Number: GUMGUGGULEXT

Date Report Requested: 06/01/2011
 Time Report Requested: 11:24:32
 First Dose M/F: NA / 03/02/07
 Lab: VCU

B6C3F1 MICE FEMALE	DAY ON TEST	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	
		2	2	2	2	2	2	2	2	
		9	9	9	9	9	9	9	9	
500 mg/kg	ANIMAL ID	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	
		3	3	3	3	3	3	3	3	
		3	3	3	4	4	4	4	4	
		7	8	9	0	1	2	3	4	
* TOTALS										

ALIMENTARY SYSTEM

Intestine Large, Cecum	+	+	+	+	+	+	+	+	8
Intestine Large, Colon	+	+	+	+	+	+	+	+	8
Intestine Large, Rectum	+	+	M	+	M	+	M	M	4
Intestine Small, Duodenum	M	+	+	+	+	+	+	+	7
Intestine Small, Ileum	+	+	+	+	+	+	+	+	8
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	8
Liver	+	+	+	+	+	+	+	+	8
Stomach, Forestomach	+	+	+	+	+	+	+	+	8
Stomach, Glandular	+	+	+	+	+	+	+	+	8

CARDIOVASCULAR SYSTEM

NONE

ENDOCRINE SYSTEM

Adrenal Cortex	+	+	+	+	+	+	+	+	8
Adrenal Medulla	+	+	+	+	+	+	+	+	8

GENERAL BODY 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

TDMS No. 20701 - 99
 Test Type: 18-33 DAYS
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Gum Guggul 2.5% granules
 CAS Number: GUMGUGGULEXT

Date Report Requested: 06/01/2011
 Time Report Requested: 11:24:32
 First Dose M/F: NA / 03/02/07
 Lab: VCU

B6C3F1 MICE FEMALE	DAY ON TEST	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	
		2	2	2	2	2	2	2	2	
		9	9	9	9	9	9	9	9	
500 mg/kg	ANIMAL ID	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	
		3	3	3	3	3	3	3	3	
		3	3	3	4	4	4	4	4	
		7	8	9	0	1	2	3	4	* TOTALS

NONE

GENITAL SYSTEM

NONE

HEMATOPOIETIC SYSTEM

Bone Marrow	+	+	+	+	+	+	+	+	8
Bronchial Associated Lymphoid Tissue	M	M	M	M	M	M	M	M	0
Gut Associated Lymphoid Tissue	+	+	+	+	I	M	+	+	6
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	8
Popliteal Lymph Node	+	+	+	+	+	M	+	+	7
Spleen	+	+	+	+	+	+	+	+	8
Thymus	+	+	+	I	+	+	+	+	7

INTEGUMENTARY SYSTEM

NONE

MUSCULOSKELETAL SYSTEM

NONE

NERVOUS 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

TDMS No. 20701 - 99
 Test Type: 18-33 DAYS
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Gum Guggul 2.5% granules
 CAS Number: GUMGUGGULEXT

Date Report Requested: 06/01/2011
 Time Report Requested: 11:24:32
 First Dose M/F: NA / 03/02/07
 Lab: VCU

B6C3F1 MICE FEMALE	DAY ON TEST	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	
		2	2	2	2	2	2	2	2	
		9	9	9	9	9	9	9	9	
500 mg/kg	ANIMAL ID	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	
		3	3	3	3	3	3	3	3	
		3	3	3	4	4	4	4	4	
		7	8	9	0	1	2	3	4	
* TOTALS										

NONE

RESPIRATORY SYSTEM

Lung + + + + + + + + 8

SPECIAL SENSES SYSTEM

NONE

URINARY SYSTEM

Kidney + + + + + + + + 8

SYSTEMIC LESIONS

Multiple Organ + + + + + + + + 8

*** 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