Species/Strain: Mouse/P53(C57BL/6)

Test Type: 18-33 DAYS

Route: DOSED FEED

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Test Compound: Senna (powdered)

CAS Number: 8013-11-4

Date Report Requested: 10/22/2014 Time Report Requested: 22:37:02

First Dose M/F: NA / NA

Lab: BAT

C Number: C20101

Lock Date: 01/25/2006

Cage Range: All

Date Range: All

Reasons For Removal: All

Removal Date Range: All

Treatment Groups: All

Study Gender: Both

PWG Approval Date NONE

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Time Report Requested: 22:37:02

Date Report Requested: 10/22/2014

First Dose M/F: NA / NA

Lab: BAT

Test Type: 18-33 DAYS Test Compound: Senna (powdered) Route: DOSED FEED CAS Number: 8013-11-4

Species/Strain: Mouse/P53(C57BL/6)

DAY ON TEST P53(C57BL/6) Mouse Male 0 ppm ANIMAL ID	0 0 2 9 0 0 0 0	0 0 2 9 0 0 0 0	0 0 2 9 0 0 0 0 0 3	0 0 2 9 0 0 0 0 4	0 0 2 9 0 0 0 0 5	*TOTALS
Alimentary System		•	•	•	•	
Intestine Large, Cecum	+	+	+	+	+	5
Intestine Large, Colon	+	+	+	+	+	5
Intestine Large, Rectum	+	+	+	+	+	5
Intestine Small, Duodenum	+	+	+	+	+	5
Intestine Small, Ileum	+	+	+	+	+	5
Intestine Small, Jejunum	+	+	+	+	+	5
Liver	+	+	+	+	+	5
Stomach, Forestomach	+	+	+	+	+	5
Stomach, Glandular	+	+	+	+	+	5
Cardiovascular System						
NONE						
Endocrine System						
Adrenal Cortex	+	+	+	+	+	5
Adrenal Medulla	+	+	+	+	+	5
Pituitary Gland	+	+	+	+	+	5
Thyroid Gland General Body System	+	+	+	+	+	5
NONE						

Genital System

M .. Missing tissue

A .. Autolysis precludes evaluation

^{* ..}Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..}Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Test Compound: Senna (powdered)

Route: DOSED FEED
Species/Strain: Mouse/P53(C57BL/6)

Test Type: 18-33 DAYS

CAS Number: 8013-11-4

Time Report Requested: 22:37:02

Date Report Requested: 10/22/2014

First Dose M/F: NA / NA

Lab: BAT

P53(C57BL/6) Mouse Male 0 ppm ANIMAL IE	9	0 0 2 9 0 0 0 0	0 0 2 9 0 0 0 0 0 3	0 0 2 9 0 0 0 0 4	0 0 2 9 0 0 0 0 5	*TOTALS
Epididymis	+	+	+	+	+	5
Testes	+	+	+	+	+	5
Hematopoietic System						
Lymph Node	+	+	+	+	+	5
Lymph Node, Mandibular	+	+	+	+	+	5
Lymph Node, Mesenteric	+	+	+	+	+	5
Spleen	+	+	+	+	+	5
Thymus	+	+	+	+	+	5
Integumentary System						
NONE Musculoskeletal System						

NONE

Nervous System

NONE

Respiratory System

Lung + + + + + 5

Special Senses System

NONE

Urinary System

X ..Lesion present

I .. Insufficient tissue

M ..Missing tissue

A .. Autolysis precludes evaluation

^{* ..}Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..} Tissue examined microscopically

Test Type: 18-33 DAYS

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Test Compound: Senna (powdered)

Route: DOSED FEED
Species/Strain: Mouse/P53(C57BL/6)

CAS Number: 8013-11-4

Time Report Requested: 22:37:02

Date Report Requested: 10/22/2014

First Dose M/F: NA / NA

Lab: BAT

DAY O	N TEST θ	0	0	0	0	
P53(C57BL/6) Mouse Male	$\begin{vmatrix} 0 \\ 2 \end{vmatrix}$	$\begin{vmatrix} 0 \\ 2 \end{vmatrix}$	<i>0</i> 2	<i>0</i> 2	<i>0 2</i>	
0 ppm	9	9	9	9	9	
	IMAL ID 0 0 0 0 0 1	0 0 0 0 2	0 0 0 0 3	0 0 0 0 4	0 0 0 0 5	*TOTALS
Kidney	+	+	+	+	+	5
Urinary Bladder SYSTEMIC LESIONS	+	+	+	+	+	5
Multiple Organ	+	+	+	+	+	5

^{* ..}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

Test Type: 18-33 DAYS

Route: DOSED FEED

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Test Compound: Senna (powdered)

CAS Number: 8013-11-4

Time Report Requested: 22:37:02 First Dose M/F: NA / NA

Date Report Requested: 10/22/2014

Lab: BAT

Species/Strain: Mouse/P53(C57BL/6)

	DAY ON TEST	0	0	0	0	0	
P53(C57BL/6) Mouse	Male	<i>0 2</i>	0 2	0 2	0 2	0 2	
625 ppm		9	9	9	9	9	
• •	ANIMAL ID	0	0	0	0	0	
		Ö	Ŏ	0	0	0	
		0 6	0	0 8	9	1	*TOTALS
Alimentary System							1017120
Intestine Large, Cecum		+	+	+	+	+	5
Intestine Large, Colon		+	+	+	+	+	5
Intestine Large, Rectum		+	+	+	+	+	5
Intestine Small, Duodenum		+	+	+	+	+	5
Intestine Small, Ileum		+	+	+	+	+	5
Intestine Small, Jejunum		+	+	+	+	+	5
Liver		+	+	+	+	+	5
Stomach, Forestomach		+	+	+	+	+	5
Stomach, Glandular		+	+	+	+	+	5
Cardiovascular System							
NONE							
Endocrine System							
Adrenal Cortex		+	+	+	+	+	5
Adrenal Medulla		+	+	+	+	+	5
Pituitary Gland		+	+	+	+	+	5
Thyroid Gland		+	+	+	+	+	5
General Body System							

NONE
Genital System

I .. Insufficient tissue

M ..Missing tissue

A .. Autolysis precludes evaluation

^{* ..}Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..}Tissue examined microscopically

X ..Lesion present

Test Type: 18-33 DAYS

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED) Test Compound: Senna (powdered)

CAS Number: 8013-11-4

Date Report Requested: 10/22/2014 Time Report Requested: 22:37:02

First Dose M/F: NA / NA

Lab: BAT

Route: DOSED FEED Species/Strain: Mouse/P53(C57BL/6)

P53(C57BL/6) Mouse 625 ppm	DAY ON TEST Male ANIMAL ID	0 0 2 9 0 0 0 0 0 6	0 0 2 9 0 0 0 0 7	0 0 2 9 0 0 0 0 0 8	0 0 2 9 0 0 0 0 0	0 0 2 9 0 0 0 0	*TOTALS
Epididymis		+	+	+	+	+	5
Testes		+	+	+	+	+	5
Hematopoietic System							
Lymph Node		М	+	+	+	+	4
Lymph Node, Mandibular		+	+	+	+	+	5
Lymph Node, Mesenteric		+	+	+	+	+	5
Spleen		+	+	+	+	+	5
Thymus		+	+	+	+	+	5
Integumentary System							
NONE Musculoskeletal System							
NONE							
Nervous System							
NONE Respiratory System							
Lung Special Senses System		+	+	+	+	+	5
NONE Urinary System							

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

^{* ..}Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..} Tissue examined microscopically

X ..Lesion present

Test Type: 18-33 DAYS

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Test Compound: Senna (powdered)

Route: DOSED FEED
Species/Strain: Mouse/P53(C57BL/6)

CAS Number: 8013-11-4

First Dose M/F: NA / NA Lab: BAT

Date Report Requested: 10/22/2014

Time Report Requested: 22:37:02

P53(C57BL/6) Mouse Mal	Y ON TEST	0 0 2	0 0 2	0 0 2	0 0 2	0 0 2	
625 ppm		9	9	9	9	9	
	ANIMAL ID	0	0	Ö	0	0	
		0	0	0	0	0	*******
		6	/	8	9	0	*TOTALS
Kidney		+	+	+	+	+	5
Urinary Bladder		+	+	+	+	+	5
SYSTEMIC LESIONS							
Multiple Organ		+	+	+	+	+	5

M ..Missing tissue

A .. Autolysis precludes evaluation

^{* ..}Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..}Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

Species/Strain: Mouse/P53(C57BL/6)

Test Type: 18-33 DAYS

Route: DOSED FEED

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Date Report Requested: 10/22/2014 Time Report Requested: 22:37:02

First Dose M/F: NA / NA

Lab: BAT

Test Compound: Senna (powdered)
CAS Number: 8013-11-4

DAY ON TEST 0 0 0 0 0 0 2 9 0 0 0 0 P53(C57BL/6) Mouse Male 2 9 2 9 2 1250 ppm

	ANIMAL ID	0 0 0 1 1	0 0 0 1 2	0 0 0 1 3	0 0 0 1 4	0 0 0 1 5	*TOTALS
Alimentary System		•			•	Ū	1017.20
Intestine Large, Cecum		+	+	+	+	+	5
Intestine Large, Colon		+	+	+	+	+	5
Intestine Large, Rectum		+	+	+	+	+	5
Intestine Small, Duodenum		+	+	+	+	+	5
Intestine Small, Ileum		+	+	+	+	+	5
Intestine Small, Jejunum		+	+	+	+	+	5
Liver		+	+	+	+	+	5
Stomach, Forestomach		+	+	+	+	+	5
Stomach, Glandular		+	+	+	+	+	5
Cardiovascular System							
NONE							
Endocrine System							
Adrenal Cortex		+	+	+	+	+	5
Adrenal Medulla		+	+	+	+	+	5
Pituitary Gland		+	+	+	+	+	5

General Body System

Thyroid Gland

NONE

Genital System

M ..Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

5

^{* ..}Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..} Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Test Compound: Senna (powdered)

Test Type: 18-33 DAYS Route: DOSED FEED

CAS Number: 8013-11-4

Species/Strain: Mouse/P53(C57BL/6)

Lab: BAT

Date Report Requested: 10/22/2014

Time Report Requested: 22:37:02

First Dose M/F: NA / NA

P53(C57BL/6) Mouse 1250 ppm	DAY ON TEST Male	0 0 2 9	0 0 2 9	0 0 2 9	0 0 2 9	0 0 2 9	
. 200 рр	ANIMAL ID	0 0 0 1 1	0 0 0 1 2	0 0 0 1 3	0 0 0 1 4	0 0 0 1 5	*TOTALS
Epididymis		+	+	+	+	+	5
Testes		+	+	+	+	+	5
Hematopoietic System							
Lymph Node		+	+	+	+	+	5
Lymph Node, Mandibular		+	+	+	+	+	5
Lymph Node, Mesenteric		+	+	+	+	+	5
Spleen		+	+	+	+	+	5
Thymus		+	+	+	+	+	5
Integumentary System							
NONE Musculoskeletal System							
NONE Nervous System							
NONE Respiratory System							
Lung Special Senses System		+	+	+	+	+	5

NONE
Urinary System

M ..Missing tissue

A .. Autolysis precludes evaluation

^{* ..}Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..} Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

Test Type: 18-33 DAYS

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Test Compound: Senna (powdered) **CAS Number:** 8013-11-4

Route: DOSED FEED Species/Strain: Mouse/P53(C57BL/6)

First Dose M/F: NA / NA

Date Report Requested: 10/22/2014

Time Report Requested: 22:37:02

Lab: BAT

P53(C57BL/6) Mouse Ma 1250 ppm	DAY ON TEST ale	0 0 2 9	0 0 2 9	0 0 2 9	0 0 2 9	0 0 2 9	
1230 ррш	ANIMAL ID	0 0 0 1 1	0 0 0 1 2	0 0 0 1 3	0 0 0 1 4	0 0 0 1 5	*TOTALS
Kidney		+	+	+	+	+	5
Urinary Bladder SYSTEMIC LESIONS		+	+	+	+	+	5
Multiple Organ		+	+	+	+	+	5

M .. Missing tissue

A .. Autolysis precludes evaluation

^{* ..}Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..}Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

Test Type: 18-33 DAYS

Route: DOSED FEED

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Date Report Requested: 10/22/2014
Time Report Requested: 22:37:02

First Dose M/F: NA / NA

Lab: BAT

Test Compound: Senna (powdered)
CAS Number: 8013-11-4

Species/Strain: Mouse/P53(C57BL/6)

P53(C57BL/6) Mouse 2500 ppm	DAY ON TEST Male ANIMAL ID	0 0 2 9 0 0 0 1 6	0 0 2 9 0 0 0 1 7	0 0 2 9 0 0 0 1 8	0 0 2 9 0 0 0 1 9	0 0 2 9 0 0 0 0 2	*TOTALS
Alimentary System							
Intestine Large, Cecum		+	+	+	+	+	5
Intestine Large, Colon		+	+	+	+	+	5
Intestine Large, Rectum		+	+	+	+	+	5
Intestine Small, Duodenum		+	+	+	+	+	5
Intestine Small, Ileum		+	+	+	+	+	5
Intestine Small, Jejunum		+	+	+	+	+	5
Liver		+	+	+	+	+	5
Stomach, Forestomach		+	+	+	+	+	5
Stomach, Glandular		+	+	+	+	+	5
Cardiovascular System							
NONE							
Endocrine System							
Adrenal Cortex		+	+	+	+	+	5
Adrenal Medulla		+	+	+	+	+	5
Pituitary Gland		+	+	+	+	+	5
Thyroid Gland General Body System		+	+	+	+	+	5
NONE							

Genital System

I .. Insufficient tissue

M ..Missing tissue

A .. Autolysis precludes evaluation

^{* ..}Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..}Tissue examined microscopically

X ..Lesion present

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Test Compound: Senna (powdered)

Test Type: 18-33 DAYS Route: DOSED FEED

Species/Strain: Mouse/P53(C57BL/6)

0

0

0

0 0

0

CAS Number: 8013-11-4

Lab: BAT

Date Report Requested: 10/22/2014

Time Report Requested: 22:37:02

First Dose M/F: NA / NA

	DAY ON TEST
P53(C57BL/6) Mouse	Male
2500 ppm	

	6	7	8	9	ō	*TOTALS
Epididymis	+	+	+	+	+	5
Testes	+	+	+	+	+	5
Hematopoietic System						
Lymph Node	+	+	+	+	+	5
Lymph Node, Mandibular	+	+	+	+	+	5
Lymph Node, Mesenteric	+	+	+	+	+	5
Spleen	+	+	+	+	+	5
Thymus	+	+	+	+	+	5

Integumentary System

NONE

Musculoskeletal System

NONE

Nervous System

NONE

Respiratory System

Lung + + + + + 5

Special Senses System

NONE

Urinary System

X ..Lesion present

I .. Insufficient tissue

M ..Missing tissue

A .. Autolysis precludes evaluation

^{* ..}Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..} Tissue examined microscopically

Test Type: 18-33 DAYS

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Test Compound: Senna (powdered)

Route: DOSED FEED
Species/Strain: Mouse/P53(C57BL/6)

CAS Number: 8013-11-4

First Dose M/F: NA / NA Lab: BAT

Date Report Requested: 10/22/2014

Time Report Requested: 22:37:02

P53(C57BL/6) Mouse Male 2500 ppm		0 0 2 9	0 0 2 9	0 0 2 9	0 0 2 9	0 0 2 9	
	MAL ID	0 0 0 1 6	0 0 0 1 7	0 0 0 1 8	0 0 0 1 9	0 0 0 2 0	*TOTALS
Kidney		+	+	+	+	+	5
Urinary Bladder SYSTEMIC LESIONS		+	+	+	+	+	5
Multiple Organ		+	+	+	+	+	5

M ..Missing tissue

A .. Autolysis precludes evaluation

^{* ..}Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..}Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Date Report Requested: 10/22/2014
Time Report Requested: 22:37:02

First Dose M/F: NA / NA

Lab: BAT

Test Type: 18-33 DAYS

Route: DOSED FEED

Test Compound: Senna (powdered)

CAS Number: 8013-11-4

Species/Strain: Mouse/P53(C57BL/6)

DAY ON TE P53(C57BL/6) Mouse Male 5000 ppm ANIMAL	ID ()	0 0 0 0 0 0 0 0 0 1	0 0 2 9 0 0 0 0 2 2	0 0 2 9 0 0 0 0 2 3	0 0 2 9 0 0 0 0 2 4	0 0 2 9 0 0 0 0 2 5	*TOTALS
Alimentary System							
Intestine Large, Cecum	+	+	+	+	+	+	5
Intestine Large, Colon	+	+	+	+	+	+	5
Intestine Large, Rectum	+	+	+	+	+	+	5
Intestine Small, Duodenum	+	+	+	+	+	+	5
Intestine Small, Ileum	+	+	+	+	+	+	5
Intestine Small, Jejunum	+	+	+	+	+	+	5
Liver	+	+	+	+	+	+	5
Stomach, Forestomach	+	+	+	+	+	+	5
Stomach, Glandular	4	+	+	+	+	+	5
Cardiovascular System							
NONE							
Endocrine System							
Adrenal Cortex	4	+	+	+	+	+	5
Adrenal Medulla	+	+	+	+	+	+	5
Pituitary Gland	+	+	+	+	+	+	5
Thyroid Gland General Body System	4	+	+	+	+	+	5
NONE							

Genital System

I .. Insufficient tissue

M ..Missing tissue

A .. Autolysis precludes evaluation

^{* ..}Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..}Tissue examined microscopically

X ..Lesion present

Test Type: 18-33 DAYS

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Test Compound: Senna (powdered)
CAS Number: 8013-11-4

Route: DOSED FEED

Species/Strain: Mouse/P53(C57BL/6)

Date Report Requested: 10/22/2014 Time Report Requested: 22:37:02

First Dose M/F: NA / NA

Lab: BAT

P53(C57BL/6) Mouse 5000 ppm	DAY ON TEST Male	0 0 2 9	0 0 2 9	0 0 2 9	0 0 2 9	0 0 2 9	
	ANIMAL ID	0 0 0 2 1	0 0 0 2 2	0 0 0 2 3	0 0 0 2 4	0 0 0 2 5	*TOTALS
Epididymis		+	+	+	+	+	5
Testes		+	+	+	+	+	5
Hematopoietic System							
Lymph Node		+	М	+	+	+	4
Lymph Node, Mandibular		+	+	+	+	+	5
Lymph Node, Mesenteric		+	+	+	+	+	5
Spleen		+	+	+	+	+	5
Thymus		+	+	+	+	+	5
Integumentary System							
NONE Musculoskeletal System							
NONE Nervous System							
NONE Respiratory System							
Lung Special Senses System		+	+	+	+	+	5
NONE Urinary System							

X ..Lesion present

M ..Missing tissue

A .. Autolysis precludes evaluation

 $^{^{\}star}\,$..Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..}Tissue examined microscopically

I .. Insufficient tissue

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Test Compound: Senna (powdered)

Route: DOSED FEED Species/Strain: Mouse/P53(C57BL/6)

Test Type: 18-33 DAYS

CAS Number: 8013-11-4

First Dose M/F: NA / NA

Date Report Requested: 10/22/2014

Time Report Requested: 22:37:02

Lab: BAT

		DAY

P53(C57BL/6) Mouse 5000 ppm	DAY ON TEST	0 0 2 9	0 0 2 9	0 0 2 9	0 0 2 9	0 0 2 9	
оссо рр	ANIMAL ID	0 0 0 2 1	0 0 0 2 2	0 0 0 2 3	0 0 0 2 4	0 0 0 2 5	*TOTALS
Kidney		+	+	+	+	+	5
Urinary Bladder		+	+	+	+	+	5
SYSTEMIC LESIONS							
Multiple Organ		+	+	+	+	+	5

M .. Missing tissue

A .. Autolysis precludes evaluation

^{* ..}Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..}Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

Species/Strain: Mouse/P53(C57BL/6)

Test Type: 18-33 DAYS

Route: DOSED FEED

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Date Report Requested: 10/22/2014
Time Report Requested: 22:37:02

First Dose M/F: NA / NA

Lab: BAT

Test Compound: Senna (powdered)
CAS Number: 8013-11-4

0 0 0 0 0 0 2 9 **2 9 2 9** 0 0 0 0 0 0 2 6 0 0 0 2 7 0 0 3 0 Õ 0 0 2 2

*TOTALS

Alimentary	/ System
------------	----------

Intestine Large, Cecum	+	+	+	+	+	5
Intestine Large, Colon	+	+	+	+	+	5
Intestine Large, Rectum	+	+	+	+	+	5
Intestine Small, Duodenum	+	+	+	+	+	5
Intestine Small, Ileum	+	+	+	+	+	5
Intestine Small, Jejunum	+	+	+	+	+	5
Liver	+	+	+	+	+	5
Stomach, Forestomach	+	+	+	+	+	5
Stomach, Glandular	+	+	+	+	+	5

Cardiovascular System

NONE

Endocrine System

Adrenal Cortex	+	+	+	+	+	5
Adrenal Medulla	+	+	+	+	+	5
Pituitary Gland	+	+	+	+	+	5
Thyroid Gland	+	+	+	+	+	5

General Body System

NONE

Genital System

I .. Insufficient tissue

M ..Missing tissue

A .. Autolysis precludes evaluation

^{* ..}Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..} Tissue examined microscopically

X .. Lesion present

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Test Compound: Senna (powdered)

Test Type: 18-33 DAYS Route: DOSED FEED Species/Strain: Mouse/P53(C57BL/6)

CAS Number: 8013-11-4

Time Report Requested: 22:37:02 First Dose M/F: NA / NA

Date Report Requested: 10/22/2014

Lab: BAT

	DAY ON TEST	0	0	0	0	0	
P53(C57BL/6) Mouse I	Male	0	0	0 2	0	0	
10,000 ppm		9	9	9	9	9	
, , , , , , , , , , , , , , , , , , ,	ANIMAL ID	0 0	0	0	0	0	
	AMINALID	0	0	0	0	0	

	ANIMAL ID	0 0 0 2 6	0 0 0 2 7	0 0 0 2 8	0 0 0 2 9	00030	*TOTALS
Epididymis		+	+	+	+	+	5
Testes		+	+	+	+	+	5
Hematopoietic System							
Lymph Node		+	+	+	+	+	5
Lymph Node, Mandibular		+	+	+	+	+	5
Lymph Node, Mesenteric		+	+	+	+	+	5
Spleen		+	+	+	+	+	5
Thymus		+	+	+	+	+	5

Integumentary System

NONE

Musculoskeletal System

NONE

Nervous System

NONE

Respiratory System

5 Lung

Special Senses System

NONE

Urinary System

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

^{* ..}Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..} Tissue examined microscopically

X ..Lesion present

Test Type: 18-33 DAYS

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Test Compound: Senna (powdered)

Route: DOSED FEED Species/Strain: Mouse/P53(C57BL/6) CAS Number: 8013-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 22:37:02

First Dose M/F: NA / NA

Lab: BAT

DAY ON TEST	0	0	0	0	0	
P53(C57BL/6) Mouse Male	0	0	0	0	0	
10,000 ppm	9	9	9	9	9	
ANIMAL ID	0	0	0	0	0	
	0 2	0	0	0	0	
	6	7	8	9	0	*TOTALS
Kidney	+	+	+	+	+	5
Urinary Bladder	+	+	+	+	+	5
SYSTEMIC LESIONS						
Multiple Organ	+	+	+	+	+	5
						END OF MALE DATA

M .. Missing tissue

A .. Autolysis precludes evaluation

^{* ..}Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..}Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Date Report Requested: 10/22/2014

Time Report Requested: 22:37:02

First Dose M/F: NA / NA

Lab: BAT

Test Type: 18-33 DAYS

Route: DOSED FEED

CAS Number: 8013-11-4

Species/Strain: Mouse/P53(C57BL/6)

P53(C57BL/6) Mouse 0 ppm	DAY ON TEST Female ANIMAL ID	0 0 2 9 0 0 0 0 3	0 0 2 9 0 0 0 0 3 2	0 0 2 9 0 0 0 0 3 3	0 0 2 9 0 0 0 0 3 4	0 0 2 9 0 0 0 3 5	*TOTALS
Alimentary System		- 1		3	4	3	TOTALS
Intestine Large, Cecum Intestine Large, Colon Intestine Large, Rectum Intestine Small, Duodenum Intestine Small, Ileum Intestine Small, Jejunum Liver Stomach, Forestomach Stomach, Glandular Cardiovascular System		+ + + + + + + +	+ + + + + + +	+ + + + + + +	+ + + + + + +	+ + + + + + + +	5 5 5 5 5 5 5 5 5 5
NONE Endocrine System							
Adrenal Cortex Adrenal Medulla Pituitary Gland Thyroid Gland General Body System		+ + + +	+ + + +	+ + + +	+ + + +	+ + + +	5 5 5 5
General Body System							

NONE
Genital System

M ..Missing tissue

A .. Autolysis precludes evaluation

^{* ..}Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..} Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Test Compound: Senna (powdered)

Test Type: 18-33 DAYS Route: DOSED FEED

CAS Number: 8013-11-4

First Dose M/F: NA / NA

Date Report Requested: 10/22/2014

Time Report Requested: 22:37:02

Lab: BAT

Species/Strain:	Mouse/P53(C57BL/6)
-----------------	--------------------

P53(C57BL/6) Mouse 0 ppm	DAY ON TEST Female ANIMAL ID	0 0 2 9	0 0 2 9 0 0 0	0 0 2 9 0 0 0	0 0 2 9 0 0 0	0 0 2 9 0 0 0	
		3	3	3	3	3 5	*TOTALS
Ovary		+	+	+	+	+	5
Uterus		+	+	+	+	+	5
Hematopoietic System							
Lymph Node		+	+	+	+	+	5
Lymph Node, Mandibular		+	+	+	+	+	5
Lymph Node, Mesenteric		+	+	+	+	+	5
Spleen		+	+	+	+	+	5
Thymus		+	+	+	+	+	5
Integumentary System							
NONE							
Musculoskeletal System							
NONE							
Nervous System							
NONE Respiratory System							
Lung Special Senses System		+	+	+	+	+	5
NONE							

X ..Lesion present

Urinary System

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

^{* ..}Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..}Tissue examined microscopically

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Test Compound: Senna (powdered)

Route: DOSED FEED Species/Strain: Mouse/P53(C57BL/6)

Test Type: 18-33 DAYS

CAS Number: 8013-11-4

Lab: BAT

Date Report Requested: 10/22/2014

Time Report Requested: 22:37:02

First Dose M/F: NA / NA

P53(C57BL/6) Mouse Fema 0 ppm	ON TEST le	0 0 2 9	0 0 2 9	0 0 2 9	0 0 2 9	0 0 2 9	
	NIMAL ID	0 0 0 3 1	0 0 0 3 2	00033	0 0 0 3 4	00035	*TOTALS
Kidney		+	+	+	+	+	5
Urinary Bladder SYSTEMIC LESIONS		+	+	+	+	+	5
Multiple Organ		+	+	+	+	+	5

M .. Missing tissue

A .. Autolysis precludes evaluation

^{* ..}Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..}Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED) Test Compound: Senna (powdered)

CAS Number: 8013-11-4

Date Report Requested: 10/22/2014
Time Report Requested: 22:37:02

First Dose M/F: NA / NA

Lab: BAT

Test Type: 18-33 DAYS
Route: DOSED FEED

Species/Strain: Mouse/P53(C57BL/6)

	DAY ON TEST	0	0	0	0	0	
P53(C57BL/6) Mouse 625 ppm	Female	2 9	2 9	2 9	2 9	2 9	
020 ppm	ANIMAL ID	0 0 0 3 6	0 0 0 3 7	0 0 0 3 8	0 0 0 3 9	0 0 0 4 0	*TOTALS
Alimentary System							TOTALO
Intestine Large, Cecum		+	+	+	+	+	5
Intestine Large, Colon		+	+	+	+	+	5
Intestine Large, Rectum		+	+	+	+	+	5
Intestine Small, Duodenum		+	+	+	+	+	5
Intestine Small, Ileum		+	+	+	+	+	5
Intestine Small, Jejunum		+	+	+	+	+	5
Liver		+	+	+	+	+	5
Stomach, Forestomach		+	+	+	+	+	5
Stomach, Glandular		+	+	+	+	+	5
Cardiovascular System							
NONE							
Endocrine System							
Adrenal Cortex		+	+	+	+	+	5
Adrenal Medulla		+	+	+	+	+	5
Pituitary Gland		+	+	+	+	+	5
Thyroid Gland General Body System		+	+	+	+	+	5
NONE							

Genital System

I .. Insufficient tissue

M ..Missing tissue

A .. Autolysis precludes evaluation

^{* ..}Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..}Tissue examined microscopically

X ..Lesion present

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Test Compound: Senna (powdered)

Test Type: 18-33 DAYS Route: DOSED FEED Species/Strain: Mouse/P53(C57BL/6)

CAS Number: 8013-11-4

Time Report Requested: 22:37:02

Date Report Requested: 10/22/2014

First Dose M/F: NA / NA

Lab: BAT

	DAY ON TEST	0	0	0	0	0	
P53(C57BL/6) Mouse F 625 ppm	emale	0 2 9	0 2 9	0 2 9	0 2 9	0 2 9	
	ANIMAL ID	0 0 0 3 6	0 0 0 3 7	0 0 0 3 8	0 0 0 3 9	0 0 0 4 0	*TOTALS
Ovary		+	+	+	+	+	5
Uterus		+	+	+	+	+	5
Hematopoietic System							
Lymph Node		+	+	+	+	+	5
Lymph Node, Mandibular		+	+	+	+	+	5
Lymph Node, Mesenteric		+	+	+	+	+	5
Spleen		+	+	+	+	+	5
Thymus		+	+	+	+	+	5
Integumentary System							

Integumentary System

NONE

Musculoskeletal System

NONE

Nervous System

NONE

Respiratory System

5 Lung

Special Senses System

NONE

Urinary System

X ..Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

^{* ..}Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..} Tissue examined microscopically

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Test Compound: Senna (powdered)

CAS Number: 8013-11-4

Route: DOSED FEED
Species/Strain: Mouse/P53(C57BL/6)

Test Type: 18-33 DAYS

Lab: BAT

Date Report Requested: 10/22/2014

Time Report Requested: 22:37:02

First Dose M/F: NA / NA

P53(C57BL/6) Mouse F 625 ppm	DAY ON TEST emale	0 0 2 9	0 0 2 9	0 0 2 9	0 0 2 9	0 0 2 9	
010 pp	ANIMAL ID	0 0 0 3 6	0 0 0 3 7	0 0 0 3 8	0 0 0 3 9	0 0 0 4 0	*TOTALS
Kidney		+	+	+	+	+	5
Urinary Bladder SYSTEMIC LESIONS		+	+	+	+	+	5
Multiple Organ		+	+	+	+	+	5

I ..Insufficient tissue

^{* ..}Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..}Tissue examined microscopically

X ..Lesion present

M ..Missing tissue

A .. Autolysis precludes evaluation

Test Type: 18-33 DAYS

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED) Test Compound: Senna (powdered)

CAS Number: 8013-11-4

Date Report Requested: 10/22/2014
Time Report Requested: 22:37:02

First Dose M/F: NA / NA

Lab: BAT

Route: DOSED FEED
Species/Strain: Mouse/P53(C57BL/6)

P53(C57BL/6) Mouse 1250 ppm	DAY ON TEST Female ANIMAL ID	0 0 2 9 0 0 0 4 1	0 0 2 9 0 0 0 0 4 2	0 0 2 9 0 0 0 0 4 3	0 0 2 9 0 0 0 0 4 4	0 0 2 9 0 0 0 0 4 5	*TOTALS
Alimentary System							
Intestine Large, Cecum		+	+	+	+	+	5
Intestine Large, Colon		+	+	+	+	+	5
Intestine Large, Rectum		+	+	+	+	+	5
Intestine Small, Duodenum		+	+	+	+	+	5
Intestine Small, Ileum		+	+	+	+	+	5
Intestine Small, Jejunum		+	+	+	+	+	5
Liver		+	+	+	+	+	5
Stomach, Forestomach		+	+	+	+	+	5
Stomach, Glandular		+	+	+	+	+	5
Cardiovascular System							
NONE							
Endocrine System							
Adrenal Cortex		+	+	+	+	+	5
Adrenal Medulla		+	+	+	+	+	5
Pituitary Gland		+	+	М	+	+	4
Thyroid Gland General Body System		+	+	+	+	+	5
NONE							

Genital System

I .. Insufficient tissue

M ..Missing tissue

A .. Autolysis precludes evaluation

 $^{^{\}star}\,$..Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..}Tissue examined microscopically

X ..Lesion present

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Test Compound: Senna (powdered)

Test Type: 18-33 DAYS Route: DOSED FEED

CAS Number: 8013-11-4

First Dose M/F: NA / NA

Time Report Requested: 22:37:02

Date Report Requested: 10/22/2014

Lab: BAT

Species/Strain: Mouse/P53(C57BL/6)					
DAY ON TECT		_	_	_	1

	DAY ON TEST	0	0	0	0	0	
P53(C57BL/6) Mouse F 1250 ppm	emale	0 2 9	0 2 9	0 2 9	0 2 9	0 2 9	
	ANIMAL ID	0 0 0 4 1	0 0 0 4 2	0 0 0 4 3	0 0 0 4 4	0 0 0 4 5	*TOTALS
Ovary		+	+	+	+	+	5
Uterus		+	+	+	+	+	5
Hematopoietic System							
Lymph Node		+	+	+	М	+	4
Lymph Node, Mandibular		+	+	+	+	+	5
Lymph Node, Mesenteric		+	+	+	+	+	5
Spleen		+	+	+	+	+	5
Thymus		+	+	+	+	+	5
Integumentary System							

NONE

Musculoskeletal System

NONE

Nervous System

NONE

Respiratory System

5 Lung

Special Senses System

NONE

Urinary System

I ..Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

^{* ..}Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..} Tissue examined microscopically

X ..Lesion present

Test Type: 18-33 DAYS

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Test Compound: Senna (powdered)

Date Report Requested: 10/22/2014

Time Report Requested: 22:37:03

First Dose M/F: NA / NA

Lab: BAT

Route: DOSED FEED CAS Number: 8013-11-4

Species/Strain: Mouse/P53(C57BL/6)

	DAY ON TEST	0	0	0	0	0	
P53(C57BL/6) Mouse	Female	<i>0</i> 2	$\begin{vmatrix} 0 \\ 2 \end{vmatrix}$				
1250 ppm		9	9	9	9	9	
••	ANIMAL ID	0	0	0	0	0	
		0	Q	0	Q	0	
		4 1	4 2	4 3	4	4 5	*TOTALS
Kidney		+	+	+	+	+	5
Urinary Bladder		+	+	+	+	+	5
SYSTEMIC LESIONS							
Multiple Organ		+	+	+	+	+	5

M ..Missing tissue

A .. Autolysis precludes evaluation

^{* ..}Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..}Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Time F

Date Report Requested: 10/22/2014

Time Report Requested: 22:37:03 First Dose M/F: NA / NA

Lab: BAT

Test Type: 18-33 DAYS

Route: DOSED FEED

CAS Number: 8013-11-4

Species/Strain: Mouse/P53(C57BL/6)

P53(C57BL/6) Mouse 2500 ppm	DAY ON TEST Female ANIMAL ID	0 0 2 9 0 0 0 4 6	0 0 2 9 0 0 0 4 7	0 0 2 9 0 0 0 4 8	0 0 2 9 0 0 0 0 4 9	0 0 2 9 0 0 0 0 5	*TOTALS
Alimentary System							
Intestine Large, Cecum		+	+	+	+	+	5
Intestine Large, Colon		+	+	+	+	+	5
Intestine Large, Rectum		+	+	+	+	+	5
Intestine Small, Duodenum		+	+	+	+	+	5
Intestine Small, Ileum		+	+	+	+	+	5
Intestine Small, Jejunum		+	+	+	+	+	5
Liver		+	+	+	+	+	5
Stomach, Forestomach		+	+	+	+	+	5
Stomach, Glandular		+	+	+	+	+	5
Cardiovascular System							
NONE Endocrine System							
Adrenal Cortex		+	+	+	+	+	5
Adrenal Medulla		+	+	+	+	+	5
Pituitary Gland		+	+	+	+	+	5
Thyroid Gland		+	+	+	+	+	5
General Body System							

NONE
Genital System

M ..Missing tissue

A .. Autolysis precludes evaluation

^{* ..}Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..} Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Test Compound: Senna (powdered)

Test Type: 18-33 DAYS Route: DOSED FEED

CAS Number: 8013-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 22:37:03

First Dose M/F: NA / NA

Lab: BAT

Species/Strain: Mouse/P53(C57BL/6)

P53(C57BL/6) Mouse 2500 ppm	DAY ON TEST Female	0 0 2 9	0 0 2 9	0 0 2 9	0 0 2 9	0 0 2 9	
••	ANIMAL ID	0 0 0 4 6	0 0 0 4 7	0 0 0 4 8	0 0 0 4 9	00050	*TOTALS
Ovary		+	+	+	+	+	5
Uterus		+	+	+	+	+	5
Hematopoietic System							
Lymph Node		+	+	+	+	+	5
Lymph Node, Mandibular		+	+	+	+	+	5
Lymph Node, Mesenteric		+	+	+	+	+	5
Spleen		+	+	+	+	+	5
Thymus		+	+	+	+	+	5
Integumentary System							
NONE Musculoskeletal System							
NONE							
Nervous System							
NONE Respiratory System							
Respiratory System							
Lung Special Senses System		+	+	+	+	+	5
NONE Urinary System							

M .. Missing tissue

A .. Autolysis precludes evaluation

^{* ..}Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..} Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Test Compound: Senna (powdered)

Route: DOSED FEED
Species/Strain: Mouse/P53(C57BL/6)

Test Type: 18-33 DAYS

CAS Number: 8013-11-4

First Dose M/F: NA / NA

Date Report Requested: 10/22/2014

Time Report Requested: 22:37:03

Lab: BAT

P53(C57BL/6) Mouse Fo	DAY ON TEST emale	0 0 2 9	0 0 2 9	0 0 2 9	0 0 2 9	0 0 2 9	
2000 pp	ANIMAL ID	0 0 0 4 6	0 0 0 4 7	0 0 0 4 8	0 0 0 4 9	0 0 0 5 0	*TOTALS
Kidney		+	+	+	+	+	5
Urinary Bladder SYSTEMIC LESIONS		+	+	+	+	+	5
Multiple Organ		+	+	+	+	+	5

M ..Missing tissue

A .. Autolysis precludes evaluation

^{* ..}Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..}Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

Test Type: 18-33 DAYS

Route: DOSED FEED

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Test Compound: Senna (powdered)

CAS Number: 8013-11-4

Date Report Requested: 10/22/2014 Time Report Requested: 22:37:03

First Dose M/F: NA / NA

Lab: BAT

Species/Strain: Mouse/P53(C57BL/6)

P53(C57BL/6) Mouse 5000 ppm	DAY ON TEST Female ANIMAL ID	0 0 2 9 0 0 0 5 1	0 0 2 9 0 0 0 0 5 2	0 0 2 9 0 0 0 0 5 3	0 0 2 9 0 0 0 0 5 4	0 0 2 9 0 0 0 0 5 5	*TOTALS
Alimentary System							
Intestine Large, Cecum		+	+	+	+	+	5
Intestine Large, Colon		+	+	+	+	+	5
Intestine Large, Rectum		+	+	+	+	+	5
Intestine Small, Duodenum		+	+	+	+	+	5
Intestine Small, Ileum		+	+	+	+	+	5
Intestine Small, Jejunum		+	+	+	+	+	5
Liver		+	+	+	+	+	5
Stomach, Forestomach		+	+	+	+	+	5
Stomach, Glandular		+	+	+	+	+	5
Cardiovascular System							
NONE							
Endocrine System							
Adrenal Cortex		+	+	+	+	+	5
Adrenal Medulla		+	+	+	+	+	5
Pituitary Gland		+	+	+	+	+	5
Thyroid Gland General Body System		+	+	+	+	+	5
NONE							

X ..Lesion present

Genital System

I .. Insufficient tissue

M ..Missing tissue

A .. Autolysis precludes evaluation

^{* ..}Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..} Tissue examined microscopically

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Test Compound: Senna (powdered)

Test Type: 18-33 DAYS Route: DOSED FEED

CAS Number: 8013-11-4

Species/Strain: Mouse/P53(C57BL/6)

Lab: BAT

Date Report Requested: 10/22/2014

Time Report Requested: 22:37:03

First Dose M/F: NA / NA

DAY ON TEST	-	0	0	0	0	
P53(C57BL/6) Mouse Female 5000 ppm	0 2 9	0 2 9	0 2 9	0 2 9	0 2 9	
ANIMAL ID	0 0 0 5 1	0 0 0 5 2	0 0 0 5 3	0 0 0 5 4	00055	*TOTALS
Ovary	+	+	+	+	+	5
Uterus	+	+	+	+	+	5
Hematopoietic System						
Lymph Node	+	+	+	+	+	5
Lymph Node, Mandibular	+	+	+	+	+	5
Lymph Node, Mesenteric	+	+	+	+	+	5
Spleen	+	+	+	+	+	5
Thymus	+	+	+	+	+	5
Integumentary System						
NONE Musculoskeletal System						
NONE Nervous System						
NONE Respiratory System						
Lung Special Senses System	+	+	+	+	+	5
NONE Urinary System						

DAY ON TEST A A A A A

X ..Lesion present

I .. Insufficient tissue

M ..Missing tissue

A .. Autolysis precludes evaluation

 $^{^{\}star}\,$..Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..}Tissue examined microscopically

Test Type: 18-33 DAYS

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Test Compound: Senna (powdered)

Route: DOSED FEED
Species/Strain: Mouse/P53(C57BL/6)

CAS Number: 8013-11-4

Date Report Requested: 10/22/2014 Time Report Requested: 22:37:03

First Dose M/F: NA / NA

Lab: BAT

	DAY ON TEST	0	0	0	0	0	
P53(C57BL/6) Mouse Female		<i>0</i> 2	$\begin{vmatrix} 0 \\ 2 \end{vmatrix}$	$\begin{vmatrix} 0 \\ 2 \end{vmatrix}$	0 2	$\begin{vmatrix} 0 \\ 2 \end{vmatrix}$	
5000 ppm		9	9	9	9	9	
осос рр	ANIMAL ID	0 0 0 5 1	0 0 0 5 2	0 0 0 5 3	0 0 0 5 4	0 0 0 5 5	*TOTALS
Kidney		+	+	+	+	+	5
Urinary Bladder SYSTEMIC LESIONS		+	+	+	+	+	5
Multiple Organ		+	+	+	+	+	5

A .. Autolysis precludes evaluation

^{* ..}Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..}Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

Test Type: 18-33 DAYS

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED) Test Compound: Senna (powdered)

CAS Number: 8013-11-4

Date Report Requested: 10/22/2014
Time Report Requested: 22:37:03

First Dose M/F: NA / NA

Lab: BAT

Route: DOSED FEED
Species/Strain: Mouse/P53(C57BL/6)

P53(C57BL/6) Mouse 10,000 ppm	DAY ON TEST Female ANIMAL ID	0 0 2 9 0 0 0 0 5	0 0 2 9 0 0 0 0 5	0 0 2 9 0 0 0 0 5	0 0 2 9 0 0 0 0 5	0 0 2 9 0 0 0 0 6	
Alimentary System		6	7	8	9	0	*TOTALS
							_
Intestine Large, Cecum		+	+	+	+	+	5
Intestine Large, Colon		+	+	+	+	+	5
Intestine Large, Rectum		+	+	+	+	+	5
Intestine Small, Duodenum		+	+	+	+	+	5
Intestine Small, Ileum		+	+	+	+	+	5
Intestine Small, Jejunum		+	+	+	+	+	5
Liver		+	+	+	+	+	5
Stomach, Forestomach		+	+	+	+	+	5
Stomach, Glandular		+	+	+	+	+	5
Cardiovascular System							
NONE							
Endocrine System							
Adrenal Cortex		+	+	+	+	+	5
Adrenal Medulla		+	+	+	+	+	5
Pituitary Gland		+	+	+	+	+	5
Thyroid Gland		+	+	+	+	+	5
General Body System							
NONE							

X ..Lesion present

Genital System

I .. Insufficient tissue

M ..Missing tissue

A .. Autolysis precludes evaluation

^{* ..}Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..}Tissue examined microscopically

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Test Compound: Senna (powdered)

Test Type: 18-33 DAYS Route: DOSED FEED

CAS Number: 8013-11-4

First Dose M/F: NA / NA

Date Report Requested: 10/22/2014

Time Report Requested: 22:37:03

Lab: BAT

Species/Strain: Mouse/P53(C57BL/6)

P53(C57BL/6) Mouse 10,000 ppm	DAY ON TEST Female		0 0 2 9	0 0 2 9	0 0 2 9	0 0 2 9	
	ANIMAL ID	0 0 0 5 6	0 0 0 5 7	0 0 0 5 8	0 0 0 5 9	0 0 0 6 0	*TOTALS
Ovary		+	+	+	+	+	5
Uterus		+	+	+	+	+	5
Hematopoietic System							
Lymph Node		+	+	+	М	+	4
Lymph Node, Mandibular		+	+	+	+	+	5
Lymph Node, Mesenteric		+	+	+	+	+	5
Spleen		+	+	+	+	+	5
Thymus		+	+	+	+	+	5
Integumentary System							
NONE							
Musculoskeletal System							
NONE							
Nervous System							
NONE							
Respiratory System							
Lung Special Senses System		+	+	+	+	+	5
NONE							

Urinary System

M ..Missing tissue

A .. Autolysis precludes evaluation

^{* ..}Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..}Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Test Type: 18-33 DAYS
Route: DOSED FEED

Test Compound: Senna (powdered)

CAS Number: 8013-11-4

Species/Strain: Mouse/P53(C57BL/6)

Lab: BAT

Date Report Requested: 10/22/2014

Time Report Requested: 22:37:03

First Dose M/F: NA / NA

P53(C57BL/6) Mouse Female 10,000 ppm	,	0 0 2 9	0 0 2 9	0 0 2 9	0 0 2 9	0 0 2 9	
	MAL ID	0 0 0 5 6	0 0 0 5 7	0 0 0 5 8	0 0 0 5 9	00060	*TOTALS_
Kidney		+	+	+	+	+	5
Urinary Bladder		+	+	+	+	+	5
SYSTEMIC LESIONS							
Multiple Organ		+	+	+	+	+	5 ** END OF REPORT **

M ..Missing tissue

A .. Autolysis precludes evaluation

^{* ..}Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..}Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue