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

Test Type: 18-33 DAYS

Route: DOSED FEED

P07: 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: 22:37:25

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:

Removal Date Range: All

Treatment Groups: All

Study Gender: Both

PWG Approval Date NONE

Test Type: 18-33 DAYS

P07: 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: 22:37:25

First Dose M/F: NA / NA

Lab: BAT

P53(C57BL/6) Mouse 0 ppm	DAY ON TEST Male ANIMAL ID	0 0 2 9	0 0 2 9 0 0 0	0 0 2 9	0 0 2 9	0 0 2 9 0 0 0	
		0	0	0	0 4	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

P07: 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)

Date Report Requested: 10/22/2014 Time Report Requested: 22:37:25 First Dose M/F: NA / NA

Lab: BAT

P53(C57BL/6) Mouse 0 ppm	DAY ON TEST Male ANIMAL ID	0 0 2 9 0 0 0 0 0	0 0 2 9 0 0 0 0 0	0 0 2 9 0 0 0 0 0 3	0 0 2 9 0 0 0 0 0 4	0 0 2 9 0 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 Special Senses System		+	+	+	+	+	5
NONE							

Urinary System

M ..Missing tissue

A .. Autolysis precludes evaluation

 $^{^{\}star}\,$.. 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

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Test Compound: Senna (powdered)

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: 22:37:25

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

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

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Date Report Requested: 10/22/2014 Time Report Requested: 22:37:25

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)

P53(C57BL/6) Mouse Male 625 ppm

DAY ON TEST	0	0	0	0	0	
Male	0 2 0	2	2	2	2	
ANIMAL ID	0 0 0	0 0 0 0	0 0 0 0	0 0 0	0 0 0	
	06	7	8	9	0	

*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

Test Type: 18-33 DAYS

P07: 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: 22:37:25

First Dose M/F: NA / NA

Lab: BAT

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 9	0 0 2 9 0 0 0 0 1 0	*TOTALS
Testes		+	+	+	+	+	5
Hematopoietic System		т	Т	Т.	Т	Т.	5
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

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

P07: 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

Lab: BAT

Date Report Requested: 10/22/2014

Time Report Requested: 22:37:25

First Dose M/F: NA / NA

P53(C57BL/6) Mouse Male 625 ppm	ST 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 0 6	0 0 0 0 7	0 0 0 0 8	0 0 0 0 9	0 0 0 1 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

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

*TOTALS

5

Date Report Requested: 10/22/2014 Time Report Requested: 22:37:25

First Dose M/F: NA / NA

Lab: BAT

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

Species/Strain: Mouse/P53(C57BL/6) DAY ON TEXT A A A A A P53(C57BL/6) Me 1250 ppm **Alimentary System**

DAY ON TEST	0	0	0	0	0
louse Male	0 2 9	0 2 9	0 2 9	0 2 9	0 2 9
ANIMAL ID	000	0 0	0 0	0 0	0 0
	1	1	1	1	1
	1	2	3	4	5

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 **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

A .. Autolysis precludes evaluation

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

^{+ ..} Tissue examined microscopically

X ..Lesion present

M .. Missing tissue

P07: 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)

Date Report Requested: 10/22/2014 Time Report Requested: 22:37:25 First Dose M/F: NA / NA

Lab: BAT

P53(C57BL/6) Mouse 1250 ppm	DAY ON TEST Male ANIMAL ID	0 0 2 9 0 0 0 1 1	0 0 2 9 0 0 0 1 2	0 0 2 9 0 0 0 1 3	0 0 2 9 0 0 0 1 4	0 0 2 9 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

Route: DOSED FEED

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

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

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

Date Report Requested: 10/22/2014 Time Report Requested: 22:37:25

First Dose M/F: NA / NA

Lab: BAT

P53(C57BL/6) Mouse Mal 1250 ppm	Y ON TEST	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 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

P07: 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) Time Report Requested: 22:37:25 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	Male	<i>0</i> 2	2	2	2	2	
2500 ppm		9	9	9	0	9	
	ANIMAL ID	0	0	0	0	0	
		0 1	0	0	0	0	
		6	7	8	9	0	*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							

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

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

P07: 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: 22:37:25

Lab: BAT

С	DAY ON TEST	0	0	0	0	0
P53(C57BL/6) Mouse Ma	ale	0	0	0	0	0
1 00(007 BE/0) ModSc Mi	aic	2	2	2	2	2
2500 ppm		9	9	9	9	9
1-1-	ANIMAL ID	0	0	0	0	0
	AMINIAL ID	0	0	0	0	0
		0	0	0	0	0
					1 .	

	6	7	8	9	0	*TOTALS
Epididymis	+	+	+	+	+	5
Testes	+	+	+	+	+	5

Hematopoietic System

Lymph Node	+	+	+	+	+		;
Lymph Node, Mandibular	+	+	+	+	+		;
Lymph Node, Mesenteric	+	+	+	+	+		;
Spleen	+	+	+	+	+		;
Thymus	+	+	+	+	+		;

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

P07: 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: 22:37:25

P53(C57BL/6) Mouse Male 2500 ppm	EST 0 0 2 2 9	0 0 2 9	0 0 2 9	0 0 2 9	0 0 2 9	
ANIMAI	_ ID 0 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

Test Type: 18-33 DAYS

P07: 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)

Time Report Requested: 22:37:25

Date Report Requested: 10/22/2014

First Dose M/F: NA / NA

Lab: BAT

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

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Test Compound: Senna (powdered)

Test Type: 18-33 DAYS **Route:** DOSED FEED

CAS Number: 8013-11-4

Time Report Requested: 22:37:25 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</i> 2	0 2	0 2	0 2	0 2	
5000 ppm		9	9	9	9	9	
	ANIMAL ID	0 0	0 0 0	0 0	0 0 0	0 0 0	
		2	2 2	2	2	2	*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							

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

Test Type: 18-33 DAYS

P07: 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: 22:37:25

First Dose M/F: NA / NA

Lab: BAT

D	AY ON TEST	0	0	0	0	0	
P53(C57BL/6) Mouse Ma 5000 ppm	le	0 2 9	0 2 9	0 2 9	0 2 9	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
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

P07: 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: 22:37:25

First Dose M/F: NA / NA

Lab: BAT

P53(C57BL/6) Mouse I 10,000 ppm	DAY ON TEST Viale	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	0 0 0 2	0 0 0 2	0 0 0 2	0 0 0 3	**********
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 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

P07: 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)

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

Date Report Requested: 10/22/2014

Time Report Requested: 22:37:25

P53(C57BL/6) Mouse M 10,000 ppm	DAY ON TEST	0 0 2 9 0 0	0 0 2 9 0 0	0 0 2 9	0 0 2 9 0 0	0 0 2 9 0 0 0	
		2 6	2 7	2 8	2 9	3	*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

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

^{+ ..}Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

Test Type: 18-33 DAYS

P07: 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: 22:37:25 First Dose M/F: NA / NA

Date Report Requested: 10/22/2014

ISL DOSE WIF. NA

Lab: BAT

P53(C57BL/6) Mouse Mai 10,000 ppm		0 0 2 9	0 0 2 9	0 0 2 9	0 0 2 9	0 0 2 9	
	ANIMAL ID	0 0 2 6	0 0 2 7	0 0 2 8	0 0 2 9	0 0 3 0	*TOTALS
Kidney		+	+	+	+	+	5
Urinary Bladder SYSTEMIC LESIONS		+	+	+	+	+	5

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

Test Type: 18-33 DAYS

P07: 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: 22:37:25

First Dose M/F: NA / NA

Lab: BAT

Route: DOSED FEED
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 2 9	0 0 2 9	0 0 2 9	
		0 3 1	0 3 2	0 3 3	0 3 4	0 3 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

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

^{+ ..}Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

Test Type: 18-33 DAYS

P07: 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

Date Report Requested: 10/22/2014

Time Report Requested: 22:37:25

Lab: BAT

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
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							

X ..Lesion present

I .. Insufficient tissue

Respiratory System

Special Senses System

Lung

NONE Urinary System

M ..Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

5

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

^{+ ..} Tissue examined microscopically

Test Type: 18-33 DAYS

Route: DOSED FEED

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Test Compound: Senna (powdered)

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

CAS Number: 8013-11-4

Lab: BAT

Date Report Requested: 10/22/2014

Time Report Requested: 22:37:25

First Dose M/F: NA / NA

DAY ON TEST P53(C57BL/6) Mouse Female 0 ppm	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 3 1	0 0 0 3 2	0 0 0 3 3	0 0 0 3 4	0 0 0 3 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

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Test Type: 18-33 DAYS

Test Compound: Senna (powdered)

Route: DOSED FEED

CAS Number: 8013-11-

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

-4	First Dose M/F: NA / NA
	Lab: BAT

Date Report Requested: 10/22/2014

Time Report Requested: 22:37:25

	DAY ON TEST	0	0	0	0	0	
P53(C57BL/6) Mouse	Female	<i>0</i> 2	<i>0</i> 2	0 2	0 2	$\begin{vmatrix} 0 \\ 2 \end{vmatrix}$	
625 ppm		9	9	9	9	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
Alimentary System		U	,	0	_ 3	0	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		+	+	+	+	+	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

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Test Compound: Senna (powdered)

Route: DOSED FEED

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: 22:37:25

Lab: BAT

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

P53(C57BL/6) Mouse 625 ppm	DAY ON TEST Female ANIMAL ID	0 0 2 9 0 0 0 0 3 6	0 0 2 9 0 0 0 0 3 7	0 0 2 9 0 0 0 0 3 8	0 0 2 9 0 0 0 0 3 9	0 0 2 9 0 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							
NONE Musculoskeletal System							
NONE Nervous System							
NONE Respiratory System							

X ..Lesion present

Lung

NONE Urinary System

Special Senses System

I .. Insufficient tissue

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

Test Type: 18-33 DAYS

P07: 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

Lab: BAT

Date Report Requested: 10/22/2014

Time Report Requested: 22:37:26

First Dose M/F: NA / NA

P53(C57BL/6) Mouse F 625 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 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		+	+	+	+	+	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

Test Type: 18-33 DAYS

P07: 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) Time Report Requested: 22:37:26

Date Report Requested: 10/22/2014

First Dose M/F: NA / NA

Lab: BAT

P53(C57BL/6) Mouse 1250 ppm	DAY ON TEST Female ANIMAL ID	0 0 2 9 0 0 0 0 4	0 0 2 9 0 0 0 0 4	0 0 2 9 0 0 0 0 4	0 0 2 9 0 0 0 0 4	0 0 2 9 0 0 0 0 4	
		1	2	3	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		+	+	M	+	+	4
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

P07: 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: 22:37:26

Lab: BAT

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

P53(C57BL/6) Mouse I 1250 ppm	DAY ON TEST Female ANIMAL ID	0 0 2 9	0 0 2 9	0 0 2 9	0 0 2 9	0 0 2 9	
	ANIIVIAL ID	0 0 4 1	0 0 4 2	0 0 4 3	0 0 4 4	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							
Lung Special Senses System		+	+	+	+	+	5
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

Route: DOSED FEED

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Test Compound: Senna (powdered)

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

CAS Number: 8013-11-4

First Dose M/F: NA / NA

Date Report Requested: 10/22/2014

Time Report Requested: 22:37:26

Lab: BAT

P53(C57BL/6) Mouse Fe 1250 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	
1200 pp	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
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

P07: 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: 22:37:26

First Dose M/F: NA / NA

Lab: BAT

	TEST 0 0 2 9 9 AL ID 0 0 4 6	0 0 2 9 0 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 0	*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

P07: 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)

Date Report Requested: 10/22/2014 Time Report Requested: 22:37:26

First Dose M/F: NA / NA

Lab: BAT

P53(C57BL/6) Mouse 2500 ppm	DAY ON TEST Female ANIMAL ID	0 0 2 9 0 0 0 4	0 0 2 9 0 0 0 4	0 0 2 9 0 0 0 0 4	0 0 2 9 0 0 0 0 4	0 0 2 9 0 0 0 5	***************************************
Overs		6	7	8	9	0	*TOTALS
Ovary Uterus		+	+	+	+	+	5 5
		+	+	+	+	+	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

P07: 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

Lab: BAT

Date Report Requested: 10/22/2014

Time Report Requested: 22:37:26

First Dose M/F: NA / NA

P53(C57BL/6) Mouse Feb 2500 ppm	AY 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 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

P07: 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)

Time Report Requested: 22:37:26

Date Report Requested: 10/22/2014

First Dose M/F: NA / NA

Lab: BAT

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 5 2	0 0 2 9 0 0 0 5 3	0 0 2 9 0 0 0 5 4	0 0 2 9 0 0 0 5 5	*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 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

P07: 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: 22:37:26 First Dose M/F: NA / NA

Date Report Requested: 10/22/2014

Lab: BAT

DAY ON TEST $artheta$	0	U	0	0
P53(C57BL/6) Mouse Female $\begin{pmatrix} 0 \\ 2 \end{pmatrix}$	$\begin{vmatrix} 0 \\ 2 \end{vmatrix}$			
5000 ppm	9	9	9	9
ANIMAL ID 0	0	0	0	0

5000 ppm		9	9	9	9	9	
- Совети	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
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

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

Test Type: 18-33 DAYS

P07: 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

Lab: BAT

Date Report Requested: 10/22/2014

Time Report Requested: 22:37:26

First Dose M/F: NA / NA

P53(C57BL/6) Mouse Fer 5000 ppm	AY ON TEST nale	0 0 2 9	0 0 2 9	0 0 2 9	0 0 2 9	0 0 2 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	00055	*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

P07: 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)

ı

Date Report Requested: 10/22/2014 Time Report Requested: 22:37:26

First Dose M/F: NA / NA

Lab: BAT

P53(C57BL/6) Mouse 10,000 ppm	DAY ON TEST Female ANIMAL ID	0 0 2 9 0 0 0 5 6	0 0 2 9 0 0 0 5 7	0 0 2 9 0 0 0 5 8	0 0 2 9 0 0 0 5 9	0 0 2 9 0 0 0 0 6	*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							
INOINE							

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

P07: 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)

Date Report Requested: 10/22/2014 Time Report Requested: 22:37:26

First Dose M/F: NA / NA

Lab: BAT

	DAY ON TEST	0	0	0	0	0	
P53(C57BL/6) Mouse	Female	<i>0 2</i>	0 2	0 2	0 2	<i>0</i> 2	
10,000 ppm	ANIMAL ID	9 0 0 0	9 0 0 0	9 0 0 0	9 0 0 0	9 0 0 0	
		5 6	5 7	5 8	5 9	6	*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							

X ..Lesion present

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^{+ ..}Tissue examined microscopically

Test Type: 18-33 DAYS

P07: 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

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First Dose M/F: NA / NA

Lab: BAT

DAY ON TEST P53(C57BL/6) Mouse Female 10,000 ppm ANIMAL ID	0 0 2 9 0 0 0 0 5 6	0 0 2 9 0 0 0 0 5 7	0 0 2 9 0 0 0 0 5 8	0 0 2 9 0 0 0 0 5 9	0 0 2 9 0 0 0 0 6 0	*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