Experiment Number: 05117-06 Test Type: INIT/PROMOT **Test Compound:** Init/prom comparative mouse study (DMBA/TPA/BPO/MNNG) **Route: SKIN APPLICATION** Species/Strain: Mouse/SENCAR C61994C C Number: Lock Date: Not Entered. **Cage Range:** ΑII **Date Range:** ΑII **Reasons For Removal:** ΑII **Removal Date Range:** ΑII

ΑII

Both

04/29/1994

Treatment Groups:

PWG Approval Date

Study Gender:

Date Report Requested: 10/18/2014 Time Report Requested: 20:21:24

First Dose M/F: NA / NA

Lab: BAT

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

CAS Number: INIT/PROM

Species/Strain: Mouse/SENCAR

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Type: INIT/PROMOT Test Compound: Init/prom comparative mouse study (DMBA/TPA/BPO/MNNG)

CAS Number: INIT/PROM

Date Report Requested: 10/18/2014
Time Report Requested: 20:21:24

First Dose M/F: NA / NA

Lab: BAT

SENCAR Mouse Male

VEHICLE CONTROL

Route: SKIN APPLICATION

DAY ON TEST	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	1	3	3	3	3	3	3	3	3	3	3	3	3
,	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	2	6	6	6	6	6	6	6	6	6	6	6	6
	2	2	2	2	2	2	2	2	2	2	3	3	3	3	3	3	3	3	3	3	3	4	4	4	4	4	4	4	4	4
V VIIVAVI ID	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	3
	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0

Alimentary System

NONE

Cardiovascular System

NONE

Endocrine System

NONE

General Body System

NONE

Genital System

NONE

Hematopoietic System

NONE

Integumentary System

Skin, SOA-No Mass + Acanthosis 1

Musculoskeletal System

NONE

+ .. Tissue examined microscopically

M .. Missing tissue

1-4 ..Lesion qualified as:

X ..Lesion present

A .. Autolysis precludes evaluation

1) Minimal 3) Moderate

I .. Insufficient tissue

BLANK .. Not examined microscopically

2) Mild 4) Marked

^{* ..}Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

Species/Strain: Mouse/SENCAR

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Init/prom comparative mouse study (DMBA/TPA/BPO/MNNG)

Test Type: INIT/PROMOT Route: SKIN APPLICATION

CAS Number: INIT/PROM

Time Report Requested: 20:21:24

Date Report Requested: 10/18/2014

First Dose M/F: NA / NA

Lab: BAT

SENCAR Mouse Male VEHICLE CONTROL

DAY ON TEST	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	1	3	3	3	3	3	3	3	3	3	3	3	3
,	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	2	6	6	6	6	6	6	6	6	6	6	6	6
	2	2	2	2	2	2	2	2	2	2	3	3	3	3	3	3	3	3	3	3	3	4	4	4	4	4	4	4	4	4
V VIIVAVI ID	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	3
	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0

Nervous System

NONE

Respiratory System

NONE

Special Senses System

NONE

Urinary System

NONE

+ .. Tissue examined microscopically

M .. Missing tissue

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

X ..Lesion present

A .. Autolysis precludes evaluation

2) Mild

4) Marked

I ..Insufficient tissue

^{* ..}Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

Experiment Number: 05117-06
Test Type: INIT/PROMOT

Species/Strain: Mouse/SENCAR

Route: SKIN APPLICATION

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Init/prom comparative mouse study (DMBA/TPA/BPO/MNNG)

CAS Number: INIT/PROM

Date Report Requested: 10/18/2014 Time Report Requested: 20:21:24

First Dose M/F: NA / NA

Lab: BAT

DAY ON TEST

SENCAR Mouse Male VEHICLE CONTROL

ANIMAL ID

*TOTALS

Alimentary System

NONE

Cardiovascular System

NONE

Endocrine System

NONE

General Body System

NONE

Genital System

NONE

Hematopoietic System

NONE

Integumentary System

Skin 29 Skin, SOA-No Mass 1

Acanthosis 1 1.0

Musculoskeletal System

NONE

Nervous System

+ ..Tissue examined microscopically

M .. Missing tissue

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

X ..Lesion present

A .. Autolysis precludes evaluation

2) Mild

^{* ..}Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

Experiment Number: 05117-06
Test Type: INIT/PROMOT

Species/Strain: Mouse/SENCAR

Route: SKIN APPLICATION

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Init/prom comparative mouse study (DMBA/TPA/BPO/MNNG)

CAS Number: INIT/PROM

Date Report Requested: 10/18/2014 Time Report Requested: 20:21:24

First Dose M/F: NA / NA

Lab: BAT

DAY ON TEST

SENCAR Mouse Male VEHICLE CONTROL

ANIMAL ID

*TOTALS

NONE

Respiratory System

NONE

Special Senses System

NONE

Urinary System

NONE

M .. Missing tissue

X ..Lesion present

A .. Autolysis precludes evaluation

I ..Insufficient tissue

BLANK ..Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild

^{* ..}Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

^{+ ..} Tissue examined microscopically

Species/Strain: Mouse/SENCAR

Route: SKIN APPLICATION

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Type: INIT/PROMOT Test Compound: Init/prom comparative mouse study (DMBA/TPA/BPO/MNNG)

CAS Number: INIT/PROM

Date Report Requested: 10/18/2014
Time Report Requested: 20:21:24

First Dose M/F: NA / NA

Lab: BAT

SENCAR Mouse Male MNNG 100/ACETONE

ANIMAL ID 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	DAY ON TEST	<i>0 3</i>	03	03	0 3	0 3	03	0 3	<i>0 3</i>	<i>0 3</i>	0 3	0 3	03	0 3	03	0 3	0 3	0 3	0 3	03	0 3	0 3	0	<i>0 3</i>	03	0 3	<i>0 3</i>	0 3	0 3	0 2	0 3
ANIMAL ID 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	,	2	6 2	6 2	6 2	6 2	2	6 2	6 2	2 7	6 2	6 3	6 3	6 3	3	6 3	6 3	6 3	6 3	6 3	6 4	6 4	6 4	6 4	6 4	6 4	6 4	6 4	6 4	0	6 4
3 3 3 3 3 3 3 3 3 3	ANIMAL ID	0	0	0003	0 0 0 3			0000		0 0 0 3	0 0 0 4	0 0 0 4	0 0 0	0 0 0 4	0 0 0 4	0 0 0 4	0 0 0 4	0 0 0 4	0 0 0 4	0 0 0 4	0 0 0 5	0005	0005	0005	0 0 0 5	0 0 0 5	0005	0 0 0 5	0005	0	0006

Alimentary System

NONE

Cardiovascular System

NONE

Endocrine System

NONE

General Body System

NONE

Genital System

NONE

Hematopoietic System

NONE

Integumentary System

+ .. Tissue examined microscopically

M .. Missing tissue

1-4 ..Lesion qualified as:

X ..Lesion present

A .. Autolysis precludes evaluation

1) Minimal 3) Moderate

I .. Insufficient tissue

BLANK .. Not examined microscopically

2) Mild 4) Marked

^{* ..}Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

Test Type: INIT/PROMOT

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Init/prom comparative mouse study (DMBA/TPA/BPO/MNNG) CAS Number: INIT/PROM

Route: SKIN APPLICATION

First Dose M/F: NA / NA

Time Report Requested: 20:21:25

Date Report Requested: 10/18/2014

Lab: BAT

Species/Strain: Mouse/SENCAR

SENCAR Mouse Male MNNG 100/ACETONE		0 3 6 2	0 3 6 2	0 3 6 2	0 3 6 2	0 3 6 2	0 3 6 2	0 3 6 2	0 3 6 2	0 3 2 7	0 3 6 2	0 3 6 3	0 3 6 3	0 3 6 3	0 3 6 3	0 3 6 3	0 3 6 3	0 3 6 3	0 3 6 3	0 3 6 3	0 3 6 4	0 2 8 8	0 3 6 4								
	ANIMAL ID	0 0 0 3 1	0 0 0 3 2	0 0 0 3 3	0 0 0 3 4	00035	00036	0 0 0 3 7	86000	0 0 0 3 9	0 0 0 4 0	0 0 0 4 1	0 0 0 4 2	0 0 0 4 3	0 0 4 4	00045	00046	0 0 0 4 7	0 0 0 4 8	00049	00050	00051	00052	00053	0 0 0 5 4	99999	00056	0 0 0 5 7	00058	00059	0 0 0 6 0

Musculoskeletal System

NONE

Nervous System

NONE

Respiratory System

NONE

Special Senses System

NONE

Urinary System

NONE

+ .. Tissue examined microscopically

M .. Missing tissue

1-4 ..Lesion qualified as: 1) Minimal 3) Moderate

X ..Lesion present I .. Insufficient tissue A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

4) Marked 2) Mild

Page 7

^{* ..}Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

Species/Strain: Mouse/SENCAR

Test Type: INIT/PROMOT

Route: SKIN APPLICATION

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Init/prom comparative mouse study (DMBA/TPA/BPO/MNNG)

CAS Number: INIT/PROM

Date Report Requested: 10/18/2014 Time Report Requested: 20:21:25

First Dose M/F: NA / NA

Lab: BAT

DAY ON TEST

SENCAR Mouse Male MNNG 100/ACETONE

ANIMAL ID

*TOTALS

Alimentary System

NONE

Cardiovascular System

NONE

Endocrine System

NONE

General Body System

NONE

Genital System

NONE

Hematopoietic System

NONE

Integumentary System

Skin 21 Skin, SOA-Mass 3

Acanthosis 2 2.5

Skin, SOA-No Mass 6

Acanthosis 6 1.0

Musculoskeletal System

NONE

+ ..Tissue examined microscopically M ..Missing tissue

X ..Lesion present A ..Autolysis precludes evaluation

I ..Insufficient tissue BLANK ..Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

^{* ..}Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

Experiment Number: 05117-06 **Test Type:** INIT/PROMOT

Species/Strain: Mouse/SENCAR

Route: SKIN APPLICATION

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Init/prom comparative mouse study (DMBA/TPA/BPO/MNNG)

CAS Number: INIT/PROM

Date Report Requested: 10/18/2014 Time Report Requested: 20:21:25

First Dose M/F: NA / NA

Lab: BAT

DAY ON TEST

SENCAR Mouse Male MNNG 100/ACETONE

ANIMAL ID

*TOTALS

Nervous System

NONE

Respiratory System

NONE

Special Senses System

NONE

Urinary System

NONE

M ..Missing tissue

X ..Lesion present

I .. Insufficient tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild

^{* ..}Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

^{+ ..} Tissue examined microscopically

Species/Strain: Mouse/SENCAR

Test Type: INIT/PROMOT

Route: SKIN APPLICATION

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Init/prom comparative mouse study (DMBA/TPA/BPO/MNNG)

CAS Number: INIT/PROM

Date Report Requested: 10/18/2014 Time Report Requested: 20:21:25

First Dose M/F: NA / NA

Lab: BAT

SENCAR Mouse Male MNNG 500/ACETONE

DAY ON TEST	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	2	3	2	3	3	3	3	3	2	3	3	3	3	3	3	3	2	2	1	2	0	3	3	1	3	2	1	3	3	2	
	8	6	5	6	6	6	6	6	0	4	6	6	6	6	6	6	2	4	9	5	4	6	6	8	3	4	5	6	6	1	
	3	2	9	2	2	2	2	2	9	8	3	3	3	3	3	4	2	4	0	1	4	4	4	1	1	5	9	4	4	7	
V V I I V V V V V V V V V V V V V V V V	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	6	6	6	6	6	6	6	6	6	7	7	7	7	7	7	7	7	7	7	8	8	8	8	8	8	8	8	8	8	9	
	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1 1	2	3	4	5	6	7	8	9	0	

Alimentary System

NONE

Cardiovascular System

NONE

Endocrine System

NONE

General Body System

NONE

Genital System

NONE

Hematopoietic System

NONE

Integumentary System

Skin	+	+ +	+ +	+	+ +	+	+
Inflammation, Chronic Active				4	3 3	3	
Ulcer				4	4 4	4	
Skin, Control			+	+	+	+	
Acanthosis			2	2	2	3	
Inflammation, Chronic Active			1	1	1		

+ .. Tissue examined microscopically

M .. Missing tissue

1-4 ..Lesion qualified as:

X .. Lesion present

A .. Autolysis precludes evaluation

1) Minimal 3) Moderate 2) Mild

I .. Insufficient tissue

^{* ..}Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

Species/Strain: Mouse/SENCAR

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Init/prom comparative mouse study (DMBA/TPA/BPO/MNNG)

Test Type: INIT/PROMOT **Route: SKIN APPLICATION**

CAS Number: INIT/PROM

Date Report Requested: 10/18/2014 Time Report Requested: 20:21:25

First Dose M/F: NA / NA

Lab: BAT

SENCAR Mouse Male MNNG 500/ACETONE	DAY ON TEST ANIMAL ID	0 2 8 3 0 0 0 6 1	0 3 6 2 0 0 0 6 2	0 2 5 9 0 0 0 6 3	0 3 6 2 0 0 0 6 4	0 3 6 2 0 0 0 6 5	0 3 6 2 0 0 0 6 6	0 3 6 2 0 0 0 6 7	0 3 6 2 0 0 0 6 8	0 2 0 9 0 0 0 0 6 9	0 3 4 8 0 0 0 7 0	0 3 6 3 0 0 0 7	0 3 6 3 0 0 0 7 2	0 3 6 3 0 0 0 7 3	0 3 6 3 0 0 0 7 4	0 3 6 3 0 0 0 7 5	0 3 6 4 0 0 0 7 6	0 2 2 2 2 0 0 0 7 7	0 2 4 4 0 0 0 7 8	0 1 9 0 0 0 0 7 9	0 2 5 1 0 0 0 8 0	0 0 4 4 0 0 0 8 1	0 3 6 4 0 0 8 2	0 3 6 4 0 0 8 3	0 1 8 1 0 0 0 0 8 4	0 3 3 1 0 0 0 8 5	0 2 4 5 0 0 0 8 6	0 1 5 9 0 0 0 8 7	0 3 6 4 0 0 0 8 8	0 3 6 4 0 0 0 8 9	0 2 1 7 0 0 0 9 0	
Skin, SOA-Mass		+	+	+		+				+	+					+	+				+						+	+			+	
Skin, SOA-No Mass		+	+						+		+		+	+	+		+	+	+	+	+	+	+	+	+	+		+			+	
Acanthosis		1	1						1				1	4	4			1			2	1	1	1	2						2	
Hair Follicle, Cyst		Χ																										Χ				
Inflammation, Chronic Activ	е	1							1					3	3		3	3	3	4		1	1	1	1	4		3			1	
Ulcer											4			4			3	4	4	4						4		3				

Musculoskeletal System

NONE

Nervous System

NONE

Respiratory System

NONE

Special Senses System

NONE

Urinary System

NONE

+ .. Tissue examined microscopically

M .. Missing tissue

X ..Lesion present

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild

^{* ..}Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

Species/Strain: Mouse/SENCAR

Test Type: INIT/PROMOT

Route: SKIN APPLICATION

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Init/prom comparative mouse study (DMBA/TPA/BPO/MNNG)

CAS Number: INIT/PROM

Date Report Requested: 10/18/2014
Time Report Requested: 20:21:25

First Dose M/F: NA / NA

Lab: BAT

DAY ON TEST

SENCAR Mouse Male MNNG 500/ACETONE

ANIMAL ID

*TOTALS

Alimentary System

NONE

Cardiovascular System

NONE

Endocrine System

NONE

General Body System

NONE

Genital System

NONE

Hematopoietic System

NONE

Integumentary System

Skin	11		
Inflammation, Chronic Active		4	3.3
Ulcer		4	4.0
Skin, Control	4		
Acanthosis		4	2.3
Inflammation, Chronic Active		3	1.0
Skin, SOA-Mass	12		

+ ..Tissue examined microscopically

M .. Missing tissue

1-4 ..Lesion qualified as:

X ..Lesion present

A .. Autolysis precludes evaluation

Page 12

Minimal 3) Moderate
 Mild 4) Marked

I .. Insufficient tissue

^{* ..}Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

Experiment Number: 05117-06
Test Type: INIT/PROMOT

Species/Strain: Mouse/SENCAR

Route: SKIN APPLICATION

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Init/prom comparative mouse study (DMBA/TPA/BPO/MNNG)

CAS Number: INIT/PROM

Date Report Requested: 10/18/2014 Time Report Requested: 20:21:25

First Dose M/F: NA / NA

Lab: BAT

DAY ON TEST

SENCAR Mouse Male MNNG 500/ACETONE

ANIMAL ID

	*TOTAI	<u>_S_</u>
Skin, SOA-No Mass	19	
Acanthosis	13	1.7
Hair Follicle, Cyst	2	
Inflammation, Chronic Active	15	2.2
Ulcer	8	3.8

Musculoskeletal System

NONE

Nervous System

NONE

Respiratory System

NONE

Special Senses System

NONE

Urinary System

NONE

+ .. Tissue examined microscopically

M .. Missing tissue

1) Minimal 3) Moderate

X ..Lesion present

A .. Autolysis precludes evaluation

2) Mild

1-4 ..Lesion qualified as:

4) Marked

I ..Insufficient tissue

^{* ..}Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Type: INIT/PROMOT Test Compound: Init/prom comparative mouse study (DMBA/TPA/BPO/MNNG)

Date Report Requested: 10/18/2014
Time Report Requested: 20:21:25

CAS Number: INIT/PROM

Firs

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

Species/Strain: Mouse/SENCAR

Route: SKIN APPLICATION

SENCAR Mouse Male MNNG1000/ACETONE

DAY ON TEST	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	2	1	1	2	1	3	0	1	1	1	3	1	1	3	1	2	2	2	3	1	3	2	2	1	2	3	3	1	3
	7	5	5	6	6	9	5	3	1	8	2	6	8	3	6	3	8	1	0	6	7	6	1	9	9	5	6	6	6	6
	9	0	5	8	8	7	6	7	4	4	2	2	1	1	2	1	9	1	3	3	5	3	7	2	7	9	4	4	9	4
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	9	9	9	9	9	9	9	9	9	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	2
	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0

Alimentary System

NONE

Cardiovascular System

NONE

Endocrine System

NONE

General Body System

NONE

Genital System

NONE

Hematopoietic System

NONE

Integumentary System

Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Alopecia	X											Χ		Χ						
Inflammation, Chronic Active		3	3	4	3	3	3	3			3		3	3		3	3	4	3	
Ulcer		4	4	4	3	4	4	3			4		3	3		4	4		4	
Skin, Control	+					+										+		+		+
Acanthosis						1										1		3		1

+ .. Tissue examined microscopically

M .. Missing tissue

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

X ..Lesion present

A .. Autolysis precludes evaluation

2) Mild

4) Marked

I ..Insufficient tissue

^{* ..}Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Init/prom comparative mouse study (DMBA/TPA/BPO/MNNG)

Test Type: INIT/PROMOT **Route: SKIN APPLICATION**

Species/Strain: Mouse/SENCAR

CAS Number: INIT/PROM

First Dose M/F: NA / NA

Date Report Requested: 10/18/2014

Time Report Requested: 20:21:25

Lab: BAT

SENCAR Mouse Male MNNG1000/ACETONE	DAY ON TEST ANIMAL ID	0 0 7 9 0 0 0 9 1	0 2 5 0 0 0 9 2	0 1 5 5 0 0 9 3	0 1 6 8 0 0 0 9 4	0 2 6 8 0 0 0 9 5	0 1 9 7 0 0 0 9 6	0 3 5 6 0 0 0 9 7	0 0 3 7 0 0 0 9 8	0 1 1 4 0 0 0 9 9	0 1 8 4 0 0 1 0 0	0 1 2 2 0 0 1 0	0 3 6 2 0 0 1 0 2	0 1 8 1 0 0 1 0 3	0 1 3 1 0 0 1 0 4	0 3 6 2 0 0 1 0 5	0 1 3 1 0 0 1 0 6	0 2 8 9 0 0 1 0 7	0 2 1 1 0 0 1 0 8	0 2 0 3 0 0 1 0 9	0 3 6 3 0 0 1 1	0 1 7 5 0 0 1 1	0 3 6 3 0 0 1 1	0 2 1 7 0 0 1 1 3	0 2 9 2 0 0 1 1	0 1 9 7 0 0 1 1 5	0 2 5 9 0 0 1 1 6	0 3 6 4 0 0 1 1	0 3 6 4 0 0 1 1 8	0 1 6 9 0 0 1 1	0 3 6 4 0 0 1 2 0
Inflammation, Chronic Active		3							1															1			2				1
Ulcer		4																													
Skin, SOA-Mass			+			+	+	+		+	+		+	+	+			+	+	+	+	+		+		+	+			+	
Acanthosis															3					4											
Skin, SOA-No Mass		+		+	+				+		+	+	+		+				+		+	+		+	+	+	+	+	+	+	+
Acanthosis				1							2	4	1									Χ			1			1	1		3
Hair Follicle, Cyst																										Χ	Χ				
Inflammation, Chronic Active		3			3				3		2	4	1		4				3		3			3	3	3	3	1	1	2	3
Ulcer		4			3				4										3		4			4	4	3	4			3	4

Musculoskeletal System

NONE

Nervous System

NONE

Respiratory System

NONE

Special Senses System

NONE

Urinary System

NONE

+ .. Tissue examined microscopically

M .. Missing tissue

1-4 ..Lesion qualified as: 1) Minimal 3) Moderate

X ..Lesion present

A .. Autolysis precludes evaluation

2) Mild

4) Marked

I .. Insufficient tissue

^{* ..}Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

Test Type: INIT/PROMOT

Route: SKIN APPLICATION

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Init/prom comparative mouse study (DMBA/TPA/BPO/MNNG)

CAS Number: INIT/PROM

Date Report Requested: 10/18/2014 Time Report Requested: 20:21:25

First Dose M/F: NA / NA

Lab: BAT

DAY ON TEST

SENCAR Mouse Male MNNG1000/ACETONE

Species/Strain: Mouse/SENCAR

ANIMAL ID

*TOTALS

Alimentary System

NONE

Cardiovascular System

NONE

Endocrine System

NONE

General Body System

NONE

Genital System

NONE

Hematopoietic System

NONE

Integumentary System

Skin	19	
Alopecia	3	
Inflammation, Chronic Active	14	3.1
Ulcer	13	3.7
Skin, Control	5	
Acanthosis	4	1.5
Inflammation, Chronic Active	5	1.6

+ .. Tissue examined microscopically

M .. Missing tissue

1-4 ..Lesion qualified as:

X ..Lesion present

I .. Insufficient tissue

A .. Autolysis precludes evaluation

2) Mild 4) Marked

1) Minimal 3) Moderate

^{* ..}Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

Test Type: INIT/PROMOT

Route: SKIN APPLICATION

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Init/prom comparative mouse study (DMBA/TPA/BPO/MNNG)

CAS Number: INIT/PROM

Date Report Requested: 10/18/2014 Time Report Requested: 20:21:25

First Dose M/F: NA / NA

Lab: BAT

DAY ON TEST

SENCAR Mouse Male MNNG1000/ACETONE

Species/Strain: Mouse/SENCAR

ANIMAL ID

	*TO	TΑ	LS_
Ulcer		1	4.0
Skin, SOA-Mass	18		
Acanthosis		2	3.5
Skin, SOA-No Mass	19		
Acanthosis		9	1.8
Hair Follicle, Cyst		2	
Inflammation, Chronic Active	•	17	2.6
Ulcer	•	11	3.6

Musculoskeletal System

NONE

Nervous System

NONE

Respiratory System

NONE

Special Senses System

NONE

Urinary System

NONE

+ .. Tissue examined microscopically

M ..Missing tissue

1) Minimal 3) Moderate

X ..Lesion present

A .. Autolysis precludes evaluation

2) Mild

1-4 ..Lesion qualified as:

^{* ..}Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

Test Type: INIT/PROMOT

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Init/prom comparative mouse study (DMBA/TPA/BPO/MNNG)

CAS Number: INIT/PROM

Route: SKIN APPLICATION Species/Strain: Mouse/SENCAR Date Report Requested: 10/18/2014 Time Report Requested: 20:21:25

First Dose M/F: NA / NA

Lab: BAT

SENCAR Mouse Male
MNNG100/COMPLETE

DAY ON TEST	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	ı
	2	2	3	2	2	2	3	3	3	3	2	3	3	2	2	1	3	2	3	1	1	2	2	2	2	3	3	3	2	2	
	8	8	0	8	6	0	6	1	6	6	9	0	4	6	4	7	0	5	2	3	7	5	5	7	4	6	1	1	5	5	
	8	6	3	8	1	6	2	4	3	3	6	3	1	6	5	4	3	2	7	7	4	9	9	3	5	4	6	4	2	9	
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
AMIMAL ID	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
	5	5	5	5	5	5	5	5	5	6	6	6	6	6	6	6	6	6	6	7	7	7	7	7	7	7	7	7	7	8	
	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1 1	2	3	4	5	6	7	8	9	0	

Alimentary System

NONE

Cardiovascular System

NONE

Endocrine System

NONE

General Body System

NONE

Genital System

NONE

Hematopoietic System

NONE

Integumentary System

Skin		+		+	+											+		+				
Inflammation, Chronic Active	;	3		3	3											3		3				
Ulcer	4	4		4	4											4		4				
Skin, Control	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Acanthosis	1	1	1	1		2	1	1	2	2	2	2	2	2	3	1	2	3	1	2	1	2
Inflammation, Chronic Active	1	1	1	2	3		1	1		1	1	1	1	2	2	1		1			1	1

+ .. Tissue examined microscopically

M .. Missing tissue

1-4 ..Lesion qualified as:

X ..Lesion present I .. Insufficient tissue A .. Autolysis precludes evaluation

1) Minimal 3) Moderate 4) Marked 2) Mild

^{* ..}Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

Species/Strain: Mouse/SENCAR

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Init/prom comparative mouse study (DMBA/TPA/BPO/MNNG)

Test Type: INIT/PROMOT **Route: SKIN APPLICATION**

CAS Number: INIT/PROM

Date Report Requested: 10/18/2014 Time Report Requested: 20:21:26

3 3

First Dose M/F: NA / NA

Lab: BAT

SENCAR Mouse Male MNNG100/COMPLETE	DAY ON TEST	0 2 8 8	0 2 8 6	0 3 0 3	0 2 8 8	0 2 6 1	0 2 0 6	0 3 6 2	0 3 1 4	0 3 6 3	0 3 6 3	0 2 9 6	0 3 0 3	0 3 4 1	0 2 6 6	0 2 4 5	0 1 7 4	0 3 0 3	0 2 5 2	0 3 2 7	0 1 3 7	0 1 7 4	0 2 5 9	0 2 5 9	0 2 7 3	0 2 4 5	0 3 6 4	0 3 1 6	0 3 1 4	0 2 5 2	0 2 5 9
	ANIMAL ID	0 0 1 5 1	0 0 1 5 2	0 0 1 5 3	0 0 1 5 4	0 0 1 5 5	0 0 1 5 6	0 0 1 5 7	0 0 1 5 8	0 0 1 5 9	0 0 1 6 0	0 0 1 6 1	0 0 1 6 2	0 0 1 6 3	0 0 1 6 4	0 0 1 6 5	0 0 1 6 6	0 0 1 6 7	0 0 1 6 8	0 0 1 6 9	0 0 1 7 0	0 0 1 7 1	0 0 1 7 2	0 0 1 7 3	0 0 1 7 4	0 0 1 7 5	0 0 1 7 6	0 0 1 7 7	0 0 1 7 8	0 0 1 7 9	0 0 1 8 0
Ulcer									4																						
Skin, SOA-Mass		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+	+	+		+	+	+	+	+	+
Skin, SOA-No Mass		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Acanthosis		3	2	3	1	2		3	2	2	3		3	3	1	2	2	1	2	3	3	1	2	2		4	1		3	2	
Inflammation, Chronic Active	е	2	3	3	1	3		3	4	3	2		2	1		3	1	1	1	3	2	1	1	1	4	4		3	3	2	3

Musculoskeletal System

Subcut Tiss, Infiltration Cellular, Mixed Cell

NONE

Ulcer

Nervous System

NONE

Respiratory System

NONE

Special Senses System

NONE

Urinary System

NONE

+ .. Tissue examined microscopically

M .. Missing tissue

X ..Lesion present I .. Insufficient tissue A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild

^{* ..}Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

Test Type: INIT/PROMOT

Route: SKIN APPLICATION

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Init/prom comparative mouse study (DMBA/TPA/BPO/MNNG)

CAS Number: INIT/PROM

Date Report Requested: 10/18/2014 Time Report Requested: 20:21:26

First Dose M/F: NA / NA

Lab: BAT

DAY ON TEST

SENCAR Mouse Male MNNG100/COMPLETE

Species/Strain: Mouse/SENCAR

ANIMAL ID

*TOTALS

Alimentary System

NONE

Cardiovascular System

NONE

Endocrine System

NONE

General Body System

NONE

Genital System

NONE

Hematopoietic System

NONE

Integumentary System

Skin	5	
Inflammation, Chronic Active	5	3.0
Ulcer	5	4.0
Skin, Control	22	
Acanthosis	21	1.7
Inflammation, Chronic Active	17	1.3
Ulcer	1	4.0

+ ..Tissue examined microscopically

M .. Missing tissue

1-4 ..Lesion qualified as:

X ..Lesion presentI ..Insufficient tissue

A .. Autolysis precludes evaluation

2) Mild 4) Marked

1) Minimal 3) Moderate

^{* ..}Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

Test Type: INIT/PROMOT

Route: SKIN APPLICATION

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Init/prom comparative mouse study (DMBA/TPA/BPO/MNNG)

CAS Number: INIT/PROM

Date Report Requested: 10/18/2014 Time Report Requested: 20:21:26

First Dose M/F: NA / NA

Lab: BAT

DAY ON TEST

SENCAR Mouse Male MNNG100/COMPLETE

Species/Strain: Mouse/SENCAR

ANIMAL ID

	*TC	<u> </u>	LS
Skin, SOA-Mass	28		
Skin, SOA-No Mass	30		
Acanthosis		25	2.2
Inflammation, Chronic Active		26	2.3
Subcut Tiss, Infiltration Cellular, Mixed Cell		1	3.0
Ulcer		15	3.7

Musculoskeletal System

NONE

Nervous System

NONE

Respiratory System

NONE

Special Senses System

NONE

Urinary System

NONE

+ .. Tissue examined microscopically

M .. Missing tissue

1) Minimal 3) Moderate

X ..Lesion present

A .. Autolysis precludes evaluation

2) Mild

1-4 ..Lesion qualified as:

^{* ..}Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Type: INIT/PROMOT **Test Compound:** Init/prom comparative mouse study (DMBA/TPA/BPO/MNNG)

CAS Number: INIT/PROM

Date Report Requested: 10/18/2014 Time Report Requested: 20:21:26

First Dose M/F: NA / NA

Lab: BAT

SENCAR Mouse Male BPO 20 COMPLETE

Route: SKIN APPLICATION

Species/Strain: Mouse/SENCAR

DAY ON TEST	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3	2	3	3	3	3	3	3	3	1	3	3	3	3	3	3	3	3	3	2	3	3	3	3	3	3	3	3	3	3
,	6	9	6	6	6	6	6	6	6	5	6	6	6	6	6	6	6	6	6	0	6	6	6	6	6	6	6	6	6	6
	2	4	2	2	2	2	2	2	2	5	2	3	3	3	3	3	3	3	3	9	3	4	4	4	4	4	4	4	4	4
A NIIMAA IID	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2
	8	8	8	8	8	8	8	8	8	9	9	9	9	9	9	9	9	9	9	0	0	0	0	0	0	0	0	0	0	1
	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0

Alimentary System

NONE

Cardiovascular System

NONE

Endocrine System

NONE

General Body System

NONE

Genital System

NONE

Hematopoietic System

NONE

Integumentary System

Skin	+				+		+										+	
Acanthosis					4													
Inflammation, Chronic Active					3													
Ulcer					4													
Skin, Control		+	+	+	+	+		+	+	+	+	+	+	+	+	+		+
Acanthosis		1	1	1	2	1		1	1	1	2	1	2	1	1	1		1

+ .. Tissue examined microscopically

M .. Missing tissue

1-4 ..Lesion qualified as:

X ..Lesion present

A .. Autolysis precludes evaluation

1) Minimal 3) Moderate

I .. Insufficient tissue

BLANK .. Not examined microscopically

2) Mild

^{* ..}Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

Species/Strain: Mouse/SENCAR

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Type: INIT/PROMOT **Route: SKIN APPLICATION** **Test Compound:** Init/prom comparative mouse study (DMBA/TPA/BPO/MNNG)

CAS Number: INIT/PROM

Χ

3 1

1 1 1 1 1 1 1

Date Report Requested: 10/18/2014

Time Report Requested: 20:21:26

Lab: BAT

First Dose M/F: NA / NA

SENCAR Mouse Male BPO 20 COMPLETE

Inflammation, Chronic Active

Inflammation, Chronic Active

DAY ON TEST	0	0 2	0 3	0 3	0 3	0 3	0 3	0	0 3	0	0	0 3	0 3	0 3	0 3	0 3	0 3	0 3	0 3	0 2	0	0	0	0	0	0	0 3	0	0 3	0
!	6 2	9 4	6 2	6 2	6 2	6 2	6 2	6 2	6 2	5 5	6 2	6 3	6 3	6 3	6 3	6 3	6 3	6 3	6 3	9	6 3	6 4	6 4	6 4	6 4	6 4	6 4	6 4	6 4	6 4
ANIMAL ID	0 0 1 8 1	0 0 1 8 2	0 0 1 8 3	0 0 1 8 4	0 0 1 8 5	0 0 1 8 6	0 0 1 8 7	0 0 1 8 8	0 0 1 8 9	0 0 1 9 0	0 0 1 9 1	0 0 1 9 2	0 0 1 9 3	0 0 1 9 4	0 0 1 9 5	0 0 1 9 6	0 0 1 9 7	0 0 1 9 8	0 0 1 9 9	00000	0 0 2 0 1	0 0 2 0 2	00203	0 0 2 0 4	00205	00206	0 0 2 0 7	00208	0 0 2 0 9	0 0 2 1 0
ve				•	•					1	1		1			1	1	1		1				1	·	·		1		
	+		+	+	+	+	+	+	+	+	+		+	+	+	+	+	+	+	+	+	+	+	+	+		+	+	+	+
	1		2	1	3	2	2	2	2		2		2	2	2	1	2	1	1		2	2	1	2	1		1	2	1	3

1 1 1 1 1 1 1

Musculoskeletal System

Skin, SOA-Mass Skin, SOA-No Mass Acanthosis Alopecia

NONE

Ulcer

Nervous System

NONE

Respiratory System

NONE

Special Senses System

NONE

Urinary System

NONE

+ .. Tissue examined microscopically

M .. Missing tissue

1-4 ..Lesion qualified as:

3 1 1 1 1 1

X ..Lesion present

A .. Autolysis precludes evaluation

1) Minimal 3) Moderate 2) Mild

^{* ..}Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

Species/Strain: Mouse/SENCAR

Test Type: INIT/PROMOT

Route: SKIN APPLICATION

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Init/prom comparative mouse study (DMBA/TPA/BPO/MNNG)

CAS Number: INIT/PROM

Date Report Requested: 10/18/2014 Time Report Requested: 20:21:26

First Dose M/F: NA / NA

Lab: BAT

DAY ON TEST

SENCAR Mouse Male BPO 20 COMPLETE

ANIMAL ID

*TOTALS

Alimentary System

NONE

Cardiovascular System

NONE

Endocrine System

NONE

General Body System

NONE

Genital System

NONE

Hematopoietic System

NONE

Integumentary System

Skin	4	
Acanthosis	1	4.0
Inflammation, Chronic Active	1	3.0
Ulcer	1	4.0
Skin, Control	15	
Acanthosis	15	1.2
Inflammation, Chronic Active	9	1.0

+ .. Tissue examined microscopically

M .. Missing tissue

1-4 ..Lesion qualified as:

X ..Lesion present

A .. Autolysis precludes evaluation

Minimal 3) Moderate
 Mild 4) Marked

I .. Insufficient tissue

^{* ..}Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

Species/Strain: Mouse/SENCAR

Test Type: INIT/PROMOT

Route: SKIN APPLICATION

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Init/prom comparative mouse study (DMBA/TPA/BPO/MNNG)

CAS Number: INIT/PROM

Date Report Requested: 10/18/2014 Time Report Requested: 20:21:26

First Dose M/F: NA / NA

Lab: BAT

DAY ON TEST

SENCAR Mouse Male BPO 20 COMPLETE

ANIMAL ID

	*TO	Τ <u>Α</u>	LS_
Skin, SOA-Mass	1		
Skin, SOA-No Mass	27		
Acanthosis	;	25	1.7
Alopecia		1	
Inflammation, Chronic Active	;	26	1.2
Ulcer		2	3.5

Musculoskeletal System

NONE

Nervous System

NONE

Respiratory System

NONE

Special Senses System

NONE

Urinary System

NONE

+ .. Tissue examined microscopically

M .. Missing tissue

1) Minimal 3) Moderate

X ..Lesion present I .. Insufficient tissue A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

2) Mild

1-4 ..Lesion qualified as:

^{* ..}Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

Species/Strain: Mouse/SENCAR

Route: SKIN APPLICATION

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Type: INIT/PROMOT Test Compound: Init/prom comparative mouse study (DMBA/TPA/BPO/MNNG)

CAS Number: INIT/PROM

Date Report Requested: 10/18/2014
Time Report Requested: 20:21:26

First Dose M/F: NA / NA

Lab: BAT

SENCAR Mouse Male MNNG 100/BPO 20

DAY ON TEST	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3	3	3	3	3	3	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	2	3	3	3	3	3	3
	6	6	6	6	6	6	4	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	9	6	6	6	6	6	6
	2	2	2	2	2	2	9	2	2	2	3	3	3	3	3	3	3	3	3	4	4	4	4	6	4	4	4	4	4	4
V V II V V V I I I I	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	3	3	3	3	3	3	3	3	3	3	4
	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0

Alimentary System

NONE

Cardiovascular System

NONE

Endocrine System

NONE

General Body System

NONE

Genital System

NONE

Hematopoietic System

NONE

Integumentary System

Skin, Control		+		+	+				+		+		+	+	+		+	+		+	+			+	+		+			
Acanthosis		1		1	1				1		1		2	1	1		1	1		1	1			1	1		1			
Inflammation, Chronic Active		1		1	1						1		1	1	1		1	1		1	1			1	1		1			
Skin, SOA-Mass				+		+	+				+				+			+		+		+		+		+		+	+	
Acanthosis																						3								
Skin, SOA-No Mass	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+	+	+	+	+	+	+	+

+ .. Tissue examined microscopically

M .. Missing tissue

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

X ..Lesion present

A .. Autolysis precludes evaluation

2) Mild

4) Marked

I .. Insufficient tissue

^{* ..}Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

Species/Strain: Mouse/SENCAR

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Type: INIT/PROMOT Test Compound: Init/prom comparative mouse study (DMBA/TPA/BPO/MNNG)

CAS Number: INIT/PROM

Date Report Requested: 10/18/2014

Time Report Requested: 20:21:26

First Dose M/F: NA / NA

Lab: BAT

SENCAR Mouse Male MNNG 100/BPO 20

Route: SKIN APPLICATION

DAY ON TEST	0 3 6	0 3 6 2	0 3 6 2	0 3 6	0 3 6 2	0 3 6	0 2 4 9	0 3 6	0 3 6	0 3 6 2	0 3 6 3	0 3 6 3	0 3 6 3	0 3 6 3	0 3 6 3	0 3 6 3	0 3 6 3	0 3 6 3	0 3 6 3	0 3 6 4	0 3 6 4	0 3 6 4	0 3 6 4	0 2 9 6	0 3 6 4	0 3 6 4	0 3 6 4	0 3 6	0 3 6 4	0 3 6 4
ANIMAL ID	0 0 2 1 1	0 0 2 1 2	0 0 2 1 3	0 0 2 1 4	0 0 2 1 5	0 0 2 1 6	0 0 2 1 7	0 0 2 1 8	0 0 2 1 9	0 0 2 2 0	0 0 2 2 1	0 0 2 2 2	0 0 2 2 3	0 0 2 2 4	0 0 2 2 5	0 0 2 2 6	0 0 2 2 7	0 0 2 2 8	0 0 2 2 9	0 0 2 3 0	0 0 2 3 1	0 0 2 3 2	0 0 2 3 3	0 0 2 3 4	0 0 2 3 5	0 0 2 3 6	0 0 2 3 7	0 0 2 3 8	0 0 2 3 9	0 0 2 4 0
	2	2	1	2	2	2	1	1	2	2	2	1		1	2	1	1	1	2	1	2		1	3 X	1	2	1	2	3	1
9	1	1	1	1	1	1	1	1	1	1	2	1	3	1	2	1	1	1	1	1	1		1	2	1	1	1	1	1	1

Musculoskeletal System

Inflammation, Chronic Active

NONE

Ulcer

Nervous System

Acanthosis Hair Follicle, Cyst

NONE

Respiratory System

NONE

Special Senses System

NONE

Urinary System

NONE

+ .. Tissue examined microscopically

M .. Missing tissue

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

X .. Lesion present

A .. Autolysis precludes evaluation

2) Mild

^{* ..}Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

Species/Strain: Mouse/SENCAR

Test Type: INIT/PROMOT

Route: SKIN APPLICATION

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Init/prom comparative mouse study (DMBA/TPA/BPO/MNNG)

CAS Number: INIT/PROM

Date Report Requested: 10/18/2014 Time Report Requested: 20:21:26

First Dose M/F: NA / NA

Lab: BAT

DAY ON TEST

SENCAR Mouse Male MNNG 100/BPO 20

ANIMAL ID

*TOTALS

Alimentary System

NONE

Cardiovascular System

NONE

Endocrine System

NONE

General Body System

NONE

Genital System

NONE

Hematopoietic System

NONE

Integumentary System

Skin, Control	15		
Acanthosis		15	1.1
Inflammation, Chronic Active		14	1.0
Skin, SOA-Mass	12		
Acanthosis		1	3.0
Skin, SOA-No Mass	29		
Acanthosis		28	1.6

+ .. Tissue examined microscopically

M .. Missing tissue

1-4 ..Lesion qualified as:

X ..Lesion present

A .. Autolysis precludes evaluation

1) Minimal 3) Moderate

I .. Insufficient tissue

BLANK .. Not examined microscopically

2) Mild 4) Marked

^{* ..}Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

Species/Strain: Mouse/SENCAR

Test Type: INIT/PROMOT

Route: SKIN APPLICATION

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Init/prom comparative mouse study (DMBA/TPA/BPO/MNNG)

CAS Number: INIT/PROM

Date Report Requested: 10/18/2014 Time Report Requested: 20:21:26

First Dose M/F: NA / NA

Lab: BAT

DAY ON TEST

SENCAR Mouse Male MNNG 100/BPO 20

ANIMAL ID

	*TOTAL	<u>_S</u>
Hair Follicle, Cyst	1	
Inflammation, Chronic Active	29	1.2
Ulcer	1	4.0

Musculoskeletal System

NONE

Nervous System

NONE

Respiratory System

NONE

Special Senses System

NONE

Urinary System

NONE

+ .. Tissue examined microscopically

M .. Missing tissue

1) Minimal 3) Moderate

4) Marked

1-4 ..Lesion qualified as:

2) Mild

X ..Lesion present

A .. Autolysis precludes evaluation

ppically

I ..Insufficient tissue

^{* ..}Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

Species/Strain: Mouse/SENCAR

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Init/prom comparative mouse study (DMBA/TPA/BPO/MNNG)

Test Type: INIT/PROMOT Route: SKIN APPLICATION

CAS Number: INIT/PROM

Date Report Requested: 10/18/2014
Time Report Requested: 20:21:26

First Dose M/F: NA / NA

Lab: BAT

SENCAR Mouse Male MNNG 500/BPO 20

DAY ON TEST	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3	2	3	3	1	3	2	2	2	3	3	3	1	2	2	3	3	3	2	3	3	3	2	3	2	3	1	2	3	3
	4	8	6	6	8	6	2	0	1	6	6	6	6	1	2	6	6	6	2	6	6	6	5	6	0	6	6	6	6	6
	1	6	2	2	9	2	5	7	7	2	2	2	2	0	8	3	3	3	0	3	3	4	9	4	3	4	8	8	4	4
A N II N A A I . I D	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
	4	4	4	4	4	4	4	4	4	5	5	5	5	5	5	5	5	5	5	6	6	6	6	6	6	6	6	6	6	7
	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0

Alimentary System

NONE

Cardiovascular System

NONE

Endocrine System

NONE

General Body System

NONE

Genital System

NONE

Hematopoietic System

NONE

Integumentary System

Skin		+		+	+	
Inflammation, Chronic Active		3		3	3	
Ulcer		3		4	4	
Skin, Control	+	+	+ +	+ + + + +	+ + +	+ +
Acanthosis	2	1	3 1	1 2 1 1 1	1 2 1	2 1
Inflammation, Chronic Active	1	1	2 1	1 1 1 1 1	1 1 1	2 1

+ .. Tissue examined microscopically

M .. Missing tissue

1-4 ..Lesion qualified as:

X ..Lesion presentI ..Insufficient tissue

A .. Autolysis precludes evaluation

1) Minimal 3) Moderate

BLANK .. Not examined microscopically

2) Mild 4) Marked

^{* ..}Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Init/prom comparative mouse study (DMBA/TPA/BPO/MNNG)

Route: SKIN APPLICATION Species/Strain: Mouse/SENCAR

Test Type: INIT/PROMOT

CAS Number: INIT/PROM

Date Report Requested: 10/18/2014

4

Time Report Requested: 20:21:27

First Dose M/F: NA / NA

Lab: BAT

SENCAR Mouse Male MNNG 500/BPO 20	-	0 3 4 1	0 2 8 6	0 3 6 2	0 3 6 2	0 1 8 9	0 3 6 2	0 2 2 5	0 2 0 7	0 2 1 7	0 3 6 2	0 3 6 2	0 3 6 2	0 1 6 2	0 2 1 0	0 2 2 8	0 3 6 3	0 3 6 3	0 3 6 3	0 2 2 0	0 3 6 3	0 3 6 3	0 3 6 4	0 2 5 9	0 3 6 4	0 2 0 3	0 3 6 4	0 1 6 8	0 2 6 8	3 6 4	0 3 6 4
	ANIMAL ID	0 2 4 1	0 0 2 4 2	0 0 2 4 3	0 0 2 4 4	0 2 4 5	0 2 4 6	0 2 4 7	0 0 2 4 8	0 0 2 4 9	0 0 2 5 0	0 0 2 5 1	0 2 5 2	0 0 2 5 3	0 0 2 5 4	0 0 2 5 5	00256	0 2 5 7	0 2 5 8	00259	0 0 2 6 0	00261	0 0 2 6 2	0 2 6 3	0 0 2 6 4	0 0 2 6 5	0 2 6 6	0 2 6 7	0 2 6 8	0 0 2 6 9	0 2 7 0
Skin, SOA-Mass Acanthosis		+	+		+			+	+ 3	+	+ 3			+		+	+ 1	+		+	+	+	+	+	+	+	+	+		+	
Skin, SOA-No Mass		+	+	+	+	+	+	+		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Acanthosis Hair Follicle, Cyst		4	2	4	1	4	1	1		3 X	2	1	1	3	1	3	2	3	1		2	2	2	1	1	1	2	2	Х	3	1
Inflammation, Chronic Activ Subcut Tiss, Edema	re	3	1	2	1	3	1	1		3	1	1	1	2	1	3	1	2	1	3 3	1	3	1	1	1	1	1	1	3		1

3

Musculoskeletal System

NONE

Ulcer

Nervous System

NONE

Respiratory System

NONE

Special Senses System

NONE

Urinary System

NONE

+ .. Tissue examined microscopically

M .. Missing tissue

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

X ..Lesion present

A .. Autolysis precludes evaluation

2) Mild

3

^{* ..}Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

I .. Insufficient tissue

Species/Strain: Mouse/SENCAR

Test Type: INIT/PROMOT

Route: SKIN APPLICATION

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Init/prom comparative mouse study (DMBA/TPA/BPO/MNNG)

CAS Number: INIT/PROM

Date Report Requested: 10/18/2014 Time Report Requested: 20:21:27

First Dose M/F: NA / NA

Lab: BAT

DAY ON TEST

SENCAR Mouse Male MNNG 500/BPO 20

ANIMAL ID

*TOTALS

Alimentary System

NONE

Cardiovascular System

NONE

Endocrine System

NONE

General Body System

NONE

Genital System

NONE

Hematopoietic System

NONE

Integumentary System

Skin	3		
Inflammation, Chronic Active		3	3.0
Ulcer		3	3.7
Skin, Control	14		
Acanthosis		14	1.4
Inflammation, Chronic Active		14	1.1
Skin, SOA-Mass	21		

+ ..Tissue examined microscopically

M .. Missing tissue

1-4 ..Lesion qualified as:1) Minimal 3) Moderate

X ..Lesion present

I ..Insufficient tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

2) Mild 4) Marked

^{* ..}Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

Species/Strain: Mouse/SENCAR

Test Type: INIT/PROMOT

Route: SKIN APPLICATION

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Init/prom comparative mouse study (DMBA/TPA/BPO/MNNG)

CAS Number: INIT/PROM

Date Report Requested: 10/18/2014 Time Report Requested: 20:21:27

First Dose M/F: NA / NA

Lab: BAT

DAY ON TEST

SENCAR Mouse Male MNNG 500/BPO 20

ANIMAL ID

	*TOT	<u>ALS</u>
Acanthosis	3	2.3
Skin, SOA-No Mass	29	
Acanthosis	27	2.0
Hair Follicle, Cyst	2	<u>.</u>
Inflammation, Chronic Active	28	1.6
Subcut Tiss, Edema	1	3.0
Ulcer	5	3.6

Musculoskeletal System

NONE

Nervous System

NONE

Respiratory System

NONE

Special Senses System

NONE

Urinary System

NONE

+ .. Tissue examined microscopically

M .. Missing tissue

A .. Autolysis precludes evaluation

1) Minimal 3) Moderate

X ..Lesion present I .. Insufficient tissue

BLANK .. Not examined microscopically

2) Mild

1-4 ..Lesion qualified as:

^{* ..}Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Init/prom comparative mouse study (DMBA/TPA/BPO/MNNG)

Route: SKIN APPLICATION
Species/Strain: Mouse/SENCAR

Test Type: INIT/PROMOT

CAS Number: INIT/PROM

Date Report Requested: 10/18/2014

Time Report Requested: 20:21:27 First Dose M/F: NA / NA

Lab: BAT

SENCAR Mouse Male MNNG1000/BPO 20

DAY ON TEST	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1	3	3	2	2	2	1	3	1	1	3	2	1	2	3	3	2	3	2	2	3	3	2	1	2	3	1	1	3	1
	0	6	6	6	4	5	5	6	8	9	6	6	2	0	6	6	1	2	4	0	0	1	4	2	1	1	6	7	1	1
	5	2	2	8	4	0	4	3	1	5	3	8	2	9	4	4	7	7	5	9	3	6	2	8	3	6	3	5	4	1
A N II N A A I I I I I	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3
	7	7	7	7	7	7	7	7	7	8	8	8	8	8	8	8	8	8	8	9	9	9	9	9	9	9	9	9	9	0
	1 l	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1 1	2	3	4	5	6	7	8	9	0

Alimentary System

NONE

Cardiovascular System

NONE

Endocrine System

NONE

General Body System

NONE

Genital System

NONE

Hematopoietic System

NONE

Integumentary System

Skin		+		+	+
Alopecia					X
Inflammation, Chronic Active		3		3	3
Ulcer		4		4	4
Skin, Control	+ + + +	+ +	+ + + + +	+ + + + +	+ + + + + +
Acanthosis	1 1 3 3	2 2	1 2 2 1	2 1 2 2 3	2 1 1 2 1 1

+ .. Tissue examined microscopically

M .. Missing tissue

1-4 ..Lesion qualified as:

X ..Lesion present

A .. Autolysis precludes evaluation

1) Minimal 3) Moderate

I .. Insufficient tissue

BLANK .. Not examined microscopically

2) Mild 4) Marked

^{* ..}Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

Species/Strain: Mouse/SENCAR

Route: SKIN APPLICATION

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Type: INIT/PROMOT **Test Compound:** Init/prom comparative mouse study (DMBA/TPA/BPO/MNNG)

CAS Number: INIT/PROM

Date Report Requested: 10/18/2014 Time Report Requested: 20:21:27

First Dose M/F: NA / NA

Lab: BAT

OENOAD Marra Mala	DAY ON TEST	0 1	0 3	0 3	0 2	0 2	0 2	0	0 3	0 1	0 1	0 3	0 2	0	0 2	0 3	0 3	0 2	0 3	<i>0</i> 2	<i>0</i> 2	<i>0 3</i>	0 3	0 2	0	<i>0</i> 2	<i>0 3</i>	0 1	0	0 3	0
SENCAR Mouse Male MNNG1000/BPO 20 ANIM		<i>0 5</i>	6 2	6 2	6 8	4 4	5 0	5 4	6	8 1	9 5	6 3	<i>6</i> 8	2 2	9	6	6 4	<i>1 7</i>	2 7	<i>4 5</i>	9	<i>0 3</i>	1 6	4 2	2 8	<i>1 3</i>	<i>1</i> 6	6 3	<i>7 5</i>	1 4	1 1
	ANIMAL ID	0 0 2 7 1	0 0 2 7 2	0 0 2 7 3	0 0 2 7 4	0 0 2 7 5	0 0 2 7 6	0 0 2 7 7	0 0 2 7 8	0 0 2 7 9	0 0 2 8 0	0 0 2 8 1	0 0 2 8 2	0 0 2 8 3	0 0 2 8 4	0 0 2 8 5	0 0 2 8 6	0 0 2 8 7	0 0 2 8 8	0 0 2 8 9	00090	0 0 2 9 1	0 0 2 9 2	0 0 2 9 3	00294	00295	0 0 2 9 6	00297	0 0 2 9 8	0 0 2 9 9	0 0 3 0
Inflammation, Chronic Active	e			1	1	2	2	1		1			2	2	2			1		1	1	1	2	1		1	1	1	1	1	1
Skin, SOA-Mass		+	+	+	+	+	+		+	+	+	+	+	+	+	+	+	+		+	+	+	+		+	+	+	+	+	+	+
Skin, SOA-No Mass		+		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+	+	+	+	+	+
Acanthosis		1		2	3	3	3	3	4	4	2	2	3	3	3	2	1	3	2	4	4	2	2	2		3	3	3	2	1	3
Inflammation, Chronic Active	Э	1		1	1	3	2	2	1	2	1	3	2	2	2	1		3	2	2	3	2	2	1		2	3	2	1	1	1

Musculoskeletal System

NONE

Ulcer

Nervous System

NONE

Respiratory System

NONE

Special Senses System

NONE

Urinary System

NONE

+ .. Tissue examined microscopically

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild

4) Marked

X ..Lesion present

I .. Insufficient tissue

^{* ..}Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

Species/Strain: Mouse/SENCAR

Test Type: INIT/PROMOT

Route: SKIN APPLICATION

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Init/prom comparative mouse study (DMBA/TPA/BPO/MNNG)

CAS Number: INIT/PROM

Date Report Requested: 10/18/2014 Time Report Requested: 20:21:27

First Dose M/F: NA / NA

Lab: BAT

DAY ON TEST

SENCAR Mouse Male MNNG1000/BPO 20

ANIMAL ID

*TOTALS

Alimentary System

NONE

Cardiovascular System

NONE

Endocrine System

NONE

General Body System

NONE

Genital System

NONE

Hematopoietic System

NONE

Integumentary System

Skin	3	
Alopecia	1	
Inflammation, Chronic Active	3	3.0
Ulcer	3	4.0
Skin, Control	21	
Acanthosis	21	1.7
Inflammation, Chronic Active	21	1.3

+ .. Tissue examined microscopically

M .. Missing tissue

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

X ..Lesion present

I ..Insufficient tissue

A ..Autolysis precludes evaluation BLANK ..Not examined microscopically

2) Mild

^{* ..}Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

Species/Strain: Mouse/SENCAR

Route: SKIN APPLICATION

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Init/prom comparative mouse study (DMBA/TPA/BPO/MNNG)

CAS Number: INIT/PROM

Date Report Requested: 10/18/2014 Time Report Requested: 20:21:27

First Dose M/F: NA / NA

Lab: BAT

DAY ON TEST

SENCAR Mouse Male MNNG1000/BPO 20

ANIMAL ID

		*TC)TA	LS
SI	kin, SOA-Mass	27		
SI	kin, SOA-No Mass	28		
/	Acanthosis		28	2.6
I	nflammation, Chronic Active		27	1.8
ι	Jlcer		5	4.0

Musculoskeletal System

NONE

Nervous System

NONE

Respiratory System

NONE

Special Senses System

NONE

Urinary System

NONE

+ .. Tissue examined microscopically

M .. Missing tissue

A .. Autolysis precludes evaluation

1) Minimal 3) Moderate

X ..Lesion presentI ..Insufficient tissue

BLANK .. Not examined microscopically

2) Mild

1-4 ..Lesion qualified as:

^{* ..}Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

Species/Strain: Mouse/SENCAR

Route: SKIN APPLICATION

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Init/prom comparative mouse study (DMBA/TPA/BPO/MNNG)

CAS Number: INIT/PROM

Date Report Requested: 10/18/2014 Time Report Requested: 20:21:27

First Dose M/F: NA / NA

Lab: BAT

DAY ON TEST

SENCAR Mouse Male MNNG 100/TPA 5

ANIMAL ID

*TOTALS

Alimentary System

NONE

Cardiovascular System

NONE

Endocrine System

NONE

General Body System

NONE

Genital System

NONE

Hematopoietic System

NONE

Integumentary System

NONE

Musculoskeletal System

NONE

Nervous System

NONE

+ .. Tissue examined microscopically

M .. Missing tissue

1-4 ..Lesion qualified as:1) Minimal 3) Moderate

X ..Lesion presentI ..Insufficient tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

2) Mild 4) Marked

^{* ..}Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

Species/Strain: Mouse/SENCAR

Route: SKIN APPLICATION

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Init/prom comparative mouse study (DMBA/TPA/BPO/MNNG)

CAS Number: INIT/PROM

Date Report Requested: 10/18/2014
Time Report Requested: 20:21:27

First Dose M/F: NA / NA

Lab: BAT

DAY ON TEST

SENCAR Mouse Male MNNG 100/TPA 5

ANIMAL ID

*TOTALS

Respiratory System

NONE

Special Senses System

NONE

Urinary System

NONE

M .. Missing tissue

X ..Lesion present

I .. Insufficient tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild

^{* ..}Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

^{+ ..} Tissue examined microscopically

Species/Strain: Mouse/SENCAR

Route: SKIN APPLICATION

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Init/prom comparative mouse study (DMBA/TPA/BPO/MNNG)

CAS Number: INIT/PROM

Date Report Requested: 10/18/2014
Time Report Requested: 20:21:27

First Dose M/F: NA / NA

Lab: BAT

DAY ON TEST

SENCAR Mouse Male MNNG1000/TPA 5

ANIMAL ID

*TOTALS

Alimentary System

NONE

Cardiovascular System

NONE

Endocrine System

NONE

General Body System

NONE

Genital System

NONE

Hematopoietic System

NONE

Integumentary System

NONE

Musculoskeletal System

NONE

Nervous System

NONE

+ .. Tissue examined microscopically

M .. Missing tissue

1-4 ..Lesion qualified as:1) Minimal 3) Moderate

X ..Lesion present

A .. Autolysis precludes evaluation

2) Mild

^{* ..}Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

Species/Strain: Mouse/SENCAR

Route: SKIN APPLICATION

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Init/prom comparative mouse study (DMBA/TPA/BPO/MNNG)

CAS Number: INIT/PROM

Date Report Requested: 10/18/2014
Time Report Requested: 20:21:27

First Dose M/F: NA / NA

Lab: BAT

DAY ON TEST

SENCAR Mouse Male MNNG1000/TPA 5

ANIMAL ID

*TOTALS

Respiratory System

NONE

Special Senses System

NONE

Urinary System

NONE

M .. Missing tissue

X ..Lesion present

I .. Insufficient tissue

A .. Autolysis precludes evaluation

BLANK ..Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild

^{* ..}Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

^{+ ..} Tissue examined microscopically

Species/Strain: Mouse/SENCAR

Route: SKIN APPLICATION

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Init/prom comparative mouse study (DMBA/TPA/BPO/MNNG)

CAS Number: INIT/PROM

Date Report Requested: 10/18/2014
Time Report Requested: 20:21:27

First Dose M/F: NA / NA

Lab: BAT

DAY ON TEST

SENCAR Mouse Male SENTINEL MALE

ANIMAL ID

*TOTALS

Alimentary System

NONE

Cardiovascular System

NONE

Endocrine System

NONE

General Body System

NONE

Genital System

NONE

Hematopoietic System

NONE

Integumentary System

NONE

Musculoskeletal System

NONE

Nervous System

NONE

+ .. Tissue examined microscopically

M .. Missing tissue

1-4 ..Lesion qualified as:1) Minimal 3) Moderate

X ..Lesion presentI ..Insufficient tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

2) Mild

^{* ..}Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

Species/Strain: Mouse/SENCAR

Route: SKIN APPLICATION

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Init/prom comparative mouse study (DMBA/TPA/BPO/MNNG)

CAS Number: INIT/PROM

Date Report Requested: 10/18/2014 Time Report Requested: 20:21:27

First Dose M/F: NA / NA

Lab: BAT

DAY ON TEST

SENCAR Mouse Male SENTINEL MALE

ANIMAL ID

*TOTALS

Respiratory System

NONE

Special Senses System

NONE

Urinary System

NONE

END OF MALE DATA

M .. Missing tissue

X .. Lesion present

A .. Autolysis precludes evaluation

I .. Insufficient tissue

BLANK .. Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild

^{* ..}Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

^{+ ..} Tissue examined microscopically

Species/Strain: Mouse/SENCAR

Route: SKIN APPLICATION

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Type: INIT/PROMOT **Test Compound:** Init/prom comparative mouse study (DMBA/TPA/BPO/MNNG)

CAS Number: INIT/PROM

Date Report Requested: 10/18/2014 Time Report Requested: 20:21:27

First Dose M/F: NA / NA

Lab: BAT

SENCAR Mouse Female VEHICLE CONTROL

ANIMAL ID

DAY ON TEST **2** 0 3 6 2 Õ Õ Õ Õ Õ 3 6 5 3 8 2 7 6 8 6 9 7 5 7 6 3 8 9 6 6 6 7 7 7 2 7 7 7 7 8 8 5 8 7 8 8

Alimentary System

NONE

Cardiovascular System

NONE

Endocrine System

NONE

General Body System

NONE

Genital System

NONE

Hematopoietic System

NONE

Integumentary System

Skin

Musculoskeletal System

NONE

Nervous System

NONE

+ .. Tissue examined microscopically

M .. Missing tissue

1-4 ..Lesion qualified as:

X .. Lesion present I .. Insufficient tissue A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1) Minimal 3) Moderate 2) Mild

^{* ..}Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

Species/Strain: Mouse/SENCAR

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Init/prom comparative mouse study (DMBA/TPA/BPO/MNNG)

Test Type: INIT/PROMOT **Route: SKIN APPLICATION**

CAS Number: INIT/PROM

Date Report Requested: 10/18/2014 Time Report Requested: 20:21:27

First Dose M/F: NA / NA

Lab: BAT

DA	Y ON TEST	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SENCAR Mouse Female		3	3	3	3	3	3	1	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
SLINGAN WIGUSE FEITIGIE		6	6	6	6	6	6	2	6	6	0	6	6	6	6	6	6	6	6	0	6	6	6	3	6	6	6	6	6	6	6
VEHICLE CONTROL		2	2	2	2	2	2	6	2	2	0	3	3	3	3	3	3	3	3	6	3	3	4	0	4	4	4	4	4	4	4
	ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	AMINAL ID	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
		6		6	6	6	6	6	6	6	7	7	7	7	7	7	7	7	7	7	8	8	0	8	8	8		8	8		9
		_	6		6 4	6	6	6	6	6	7	7	7	7 3	7 1	7	7	7	7	7	8	8	8	8 3	8	8	8	8	8	8	9

Respiratory System

NONE

Special Senses System

NONE

Urinary System

NONE

M .. Missing tissue

X ..Lesion present

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild

^{* ..}Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

^{+ ..} Tissue examined microscopically

Species/Strain: Mouse/SENCAR

Route: SKIN APPLICATION

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Init/prom comparative mouse study (DMBA/TPA/BPO/MNNG)

CAS Number: INIT/PROM

Date Report Requested: 10/18/2014
Time Report Requested: 20:21:27

First Dose M/F: NA / NA

Lab: BAT

DAY ON TEST

SENCAR Mouse Female VEHICLE CONTROL

ANIMAL ID

*TOTALS

Alimentary System

NONE

Cardiovascular System

NONE

Endocrine System

NONE

General Body System

NONE

Genital System

NONE

Hematopoietic System

NONE

Integumentary System

Skin 30

Musculoskeletal System

NONE

Nervous System

NONE

+ .. Tissue examined microscopically

M .. Missing tissue

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

X ..Lesion presentI ..Insufficient tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

2) Mild

^{* ..}Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

Species/Strain: Mouse/SENCAR

Route: SKIN APPLICATION

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Init/prom comparative mouse study (DMBA/TPA/BPO/MNNG)

CAS Number: INIT/PROM

Date Report Requested: 10/18/2014 Time Report Requested: 20:21:27

First Dose M/F: NA / NA

Lab: BAT

DAY ON TEST

SENCAR Mouse Female VEHICLE CONTROL

ANIMAL ID

*TOTALS

Respiratory System

NONE

Special Senses System

NONE

Urinary System

NONE

M .. Missing tissue

X ..Lesion present

I .. Insufficient tissue

A .. Autolysis precludes evaluation BLANK .. Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild

^{* ..}Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

^{+ ..} Tissue examined microscopically

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Init/prom comparative mouse study (DMBA/TPA/BPO/MNNG)

Test Type: INIT/PROMOT **Route:** SKIN APPLICATION

Species/Strain: Mouse/SENCAR

CAS Number: INIT/PROM

Date Report Requested: 10/18/2014 Time Report Requested: 20:21:27

First Dose M/F: NA / NA

Lab: BAT

DAY ON TEST	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SENCAR Mouse Female	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
MNNG 100/ACETONE	2	2	2	2	2	2	2	2	2	2	3	3	3	3	3	3	3	3	3	3	4	4	4	4	4	4	4	4	4	4
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ANIMALID	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3	3	3	ા	3	3	<u>ر</u>	3	3	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
	1	9 2	9	9	9	6	9	9 8	9	0	1	2	3	4	5	6	7	8	9	0		2	3	4	1 5	6	7	8	9	0

Alimentary System

NONE

Cardiovascular System

NONE

Endocrine System

NONE

General Body System

NONE

Genital System

NONE

Hematopoietic System

NONE

Integumentary System

+ .. Tissue examined microscopically

M .. Missing tissue

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

X ..Lesion present

A ..Autolysis precludes evaluation

2) Mild

4) Marked

I ..Insufficient tissue

^{* ..}Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

CAS Number: INIT/PROM

Test Type: INIT/PROMOT **Test Compound:** Init/prom comparative mouse study (DMBA/TPA/BPO/MNNG)

Date Report Requested: 10/18/2014 Time Report Requested: 20:21:28

First Dose M/F: NA / NA

Lab: BAT

Route: SKIN APPLICATION

Species/Strain: Mouse/SENCAR

SENCAR Mouse Female MNNG 100/ACETONE	AY ON TEST	0 3 6	0 3 6	0 3 6 2	0 3 6 2	0 3 6 2	0 3 6 2	0 3 6 2	0 3 6 2	0 3 6 2	0 3 6 2	0 3 6 3	0 3 6 3	0 3 6 3	0 3 6 3	0 3 6 3	0 3 6 3	0 3 6 3	0 3 6 3	0 3 6 3	0 3 6 3	0 3 6 4	0 3 6 4	0 3 6 4	0 3 6 4	0 3 6 4	0 3 6 4	0 3 6 4	0 3 6 4	0 3 6 4	0 3 6 4
MINING TOU/ACETONE	ANIMAL ID	0 0 3 9	0 0 3 9 2	0 0 3 9 3	0 0 3 9 4	0 0 3 9 5	0 0 3 9 6	0 0 3 9 7	0 0 3 9 8	0 0 3 9 9	0 0 4 0 0	0 0 4 0 1	0 0 4 0 2	0 0 4 0 3	0 0 4 0 4	0 0 4 0 5	0 0 4 0 6	0 0 4 0 7	0 0 4 0 8	0 0 4 0 9	0 0 4 1 0	0 0 4 1	0 0 4 1 2	0 0 4 1 3	0 0 4 1 4	0 0 4 1 5	0 0 4 1 6	0 0 4 1 7	0 0 4 1 8	0 0 4 1 9	0 0 4 2 0

Musculoskeletal System

NONE

Nervous System

NONE

Respiratory System

NONE

Special Senses System

NONE

Urinary System

NONE

+ .. Tissue examined microscopically

M .. Missing tissue

1-4 ..Lesion qualified as: 1) Minimal 3) Moderate

X ..Lesion present I .. Insufficient tissue A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

2) Mild

^{* ..}Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

Species/Strain: Mouse/SENCAR

Test Type: INIT/PROMOT

Route: SKIN APPLICATION

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Init/prom comparative mouse study (DMBA/TPA/BPO/MNNG)

CAS Number: INIT/PROM

Date Report Requested: 10/18/2014 Time Report Requested: 20:21:28

First Dose M/F: NA / NA

Lab: BAT

DAY ON TEST

SENCAR Mouse Female MNNG 100/ACETONE

ANIMAL ID

*TOTALS

Alimentary System

NONE

Cardiovascular System

NONE

Endocrine System

NONE

General Body System

NONE

Genital System

NONE

Hematopoietic System

NONE

Integumentary System

Skin	28		
Inflammation, Chronic Active		1	2.0
Ulcer		1	2.0
Skin, SOA-No Mass	2		
Abscess		1	1.0
Acanthosis		1	1.0

Musculoskeletal System

I .. Insufficient tissue

+ .. Tissue examined microscopically M .. Missing tissue X .. Lesion present

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

4) Marked 2) Mild

^{* ..}Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

Species/Strain: Mouse/SENCAR

Route: SKIN APPLICATION

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Init/prom comparative mouse study (DMBA/TPA/BPO/MNNG)

CAS Number: INIT/PROM

Date Report Requested: 10/18/2014 Time Report Requested: 20:21:28

First Dose M/F: NA / NA

Lab: BAT

DAY ON TEST

SENCAR Mouse Female MNNG 100/ACETONE

ANIMAL ID

*TOTALS

NONE

Nervous System

NONE

Respiratory System

NONE

Special Senses System

NONE

Urinary System

NONE

+ .. Tissue examined microscopically

M .. Missing tissue

X .. Lesion present I .. Insufficient tissue A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild

^{* ..}Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Type: INIT/PROMOT **Test Compound:** Init/prom comparative mouse study (DMBA/TPA/BPO/MNNG)

CAS Number: INIT/PROM

Species/Strain: Mouse/SENCAR

Route: SKIN APPLICATION

Date Report Requested: 10/18/2014 Time Report Requested: 20:21:28

First Dose M/F: NA / NA

Lab: BAT

DAY ON TEST SENCAR Mouse Female MNNG 500/ACETONE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3	3	3	3	3	3	3	2	3	2	3	3	3	3	0	3	3	2	3	2	3	3	3	3	3	3	3	1	1	2
	6	6	6	6	6	6	6	8	6	7	6	6	6	6	4	6	6	0	6	4	6	6	6	6	6	6	6	7	7	5
	2	2	2	2	2	3	3	3	3	3	3	3	3	3	8	3	3	9	4	5	4	4	4	4	4	4	4	4	9	0
ANIMAL IE		0 0 4 2 2	0 0 4 2 3	0 0 4 2 4	0 0 4 2 5	0 0 4 2 6	0 0 4 2 7	0 0 4 2 8	0 0 4 2 9	0 0 4 3 0	0 0 4 3 1	0 0 4 3 2	0 0 4 3 3	0 0 4 3 4	0 0 4 3 5	0 0 4 3 6	0 0 4 3 7	0 0 4 3 8	0 0 4 3 9	0 0 4 4 0	0 0 4 4 1	0 0 4 4 2	0 0 4 4 3	0 0 4 4 4	0 0 4 4 5	0 0 4 4 6	0 0 4 4 7	0 0 4 4 8	0 0 4 4 9	0 0 4 5 0

Alimentary System

NONE

Cardiovascular System

NONE

Endocrine System

NONE

General Body System

NONE

Genital System

NONE

Hematopoietic System

NONE

Integumentary System

Mammary Gland Skin Skin, Control Acanthosis Inflammation, Chronic Active Skin, SOA-Mass

+ .. Tissue examined microscopically

M .. Missing tissue

1-4 ..Lesion qualified as:

X ..Lesion present

A .. Autolysis precludes evaluation

1) Minimal 3) Moderate

I .. Insufficient tissue

BLANK .. Not examined microscopically

2) Mild

^{* ..}Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

CAS Number: INIT/PROM

Test Type: INIT/PROMOT Test Compound: Init/prom comparative mouse study (DMBA/TPA/BPO/MNNG)

Date Report Requested: 10/18/2014 Time Report Requested: 20:21:28

Time Report Requested. 20.2

First Dose M/F: NA / NA

Species/Strain: Mouse/SENCAR

Route: SKIN APPLICATION

Lab: BAT

SENCAR Mouse Female MNNG 500/ACETONE	OAY ON TEST ANIMAL ID	4	0 3 6 2 0 0 4	0 3 6 2 0 0 4	0 3 6 2 0 0 4	0 3 6 2 0 0 4	0 3 6 3 0 0 4	0 3 6 3 0 0 4	0 2 8 3 0 0 4	0 3 6 3 0 0 4	0 2 7 3 0 0 4	0 3 6 3 0 0 4	0 3 6 3 0 0 4	0 3 6 3 0 0 4	0 3 6 3 0 0 4	0 0 4 8 0 0 4	0 3 6 3 0 0 4	0 3 6 3 0 0 4	0 2 0 9	0 3 6 4 0 0 4	0 2 4 5 0 0 4	0 3 6 4 0 0 4	0 1 7 4 0 0 4	1 7 9 0 0 4	0 2 5 0 0 0 4						
		2	2 2	3	2 4	5	2 6	7	8	9	3	3	3	3	3	3 5	3 6	3 7	3 8	3 9	4 0	4 1	4 2	4 3	4 4	5	4 6	4 7	4 8	9	5
Skin, SOA-No Mass			+	+			+			+	+	+	+		+	+	+		+	+	+	+					+		+	· · · · ·	+
Acanthosis			1	1			1			1	1	1	2		2	1	1		1	1	2	1					1		3		1
Inflammation, Chronic Active			1				1			1	1	1	1		2	1	1		1	1	2	1					1		1		3
Ulcer																															3

Musculoskeletal System

NONE

Nervous System

NONE

Respiratory System

NONE

Special Senses System

NONE

Urinary System

NONE

+ .. Tissue examined microscopically

M .. Missing tissue

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

X ..Lesion presentI ..Insufficient tissue

A .. Autolysis precludes evaluation

2) Mild

^{* ..}Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Init/prom comparative mouse study (DMBA/TPA/BPO/MNNG)

CAS Number: INIT/PROM

Date Report Requested: 10/18/2014 Time Report Requested: 20:21:28

First Dose M/F: NA / NA

Lab: BAT

DAY ON TEST

SENCAR Mouse Female MNNG 500/ACETONE

Experiment Number: 05117-06

Species/Strain: Mouse/SENCAR

Test Type: INIT/PROMOT

Route: SKIN APPLICATION

ANIMAL ID

*TOTALS

Alimentary System

NONE

Cardiovascular System

NONE

Endocrine System

NONE

General Body System

NONE

Genital System

NONE

Hematopoietic System

NONE

Integumentary System

Mammary Gland	1		
Skin	10		
Skin, Control	3		
Acanthosis		3	1.0
Inflammation, Chronic Active		1	1.0
Skin, SOA-Mass	8		
Skin, SOA-No Mass	17		

+ .. Tissue examined microscopically M .. Missing tissue 1-4 ..Lesion qualified as: X .. Lesion present A .. Autolysis precludes evaluation 1) Minimal 3) Moderate I .. Insufficient tissue

^{* ..}Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

Species/Strain: Mouse/SENCAR

Test Type: INIT/PROMOT

Route: SKIN APPLICATION

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Init/prom comparative mouse study (DMBA/TPA/BPO/MNNG)

CAS Number: INIT/PROM

Date Report Requested: 10/18/2014 Time Report Requested: 20:21:28

First Dose M/F: NA / NA

Lab: BAT

DAY ON TEST

SENCAR Mouse Female MNNG 500/ACETONE

ANIMAL ID

	*TOTA	LS
Acanthosis	17	1.3
Inflammation, Chronic Active	16	1.3
Ulcer	1	3.0

Musculoskeletal System

NONE

Nervous System

NONE

Respiratory System

NONE

Special Senses System

NONE

Urinary System

NONE

+ .. Tissue examined microscopically

M .. Missing tissue

1) Minimal 3) Moderate

X ..Lesion present

A .. Autolysis precludes evaluation

2) Mild 4) Marked

1-4 ..Lesion qualified as:

BLANK .. Not examined microscopically

I .. Insufficient tissue

^{* ..}Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL **Test Compound:** Init/prom comparative mouse study (DMBA/TPA/BPO/MNNG)

CAS Number: INIT/PROM **Route: SKIN APPLICATION**

Species/Strain: Mouse/SENCAR

Test Type: INIT/PROMOT

Date Report Requested: 10/18/2014 Time Report Requested: 20:21:28

First Dose M/F: NA / NA

Lab: BAT

DAY OF SENCAR Mouse Female MNNG1000/ACETONE	N TEST	0 2 4 5	0 1 7 4	0 2 8 6	0 1 1 1	0 1 4 6	0 3 6 2	0 2 8 8	0 3 6 2	0 3 6 2	0 3 6 3	0 1 1 9	0 3 6 3	0 2 3 8	0 3 0 3	0 3 6 3	0 2 5 0	0 1 5 4	0 1 3 2	0 3 5 4	0 3 6 4	0 3 6 4	0 1 9 7	0 2 8 9	0 3 4 6	0 2 4 7	0 1 4 8	0 2 5 7	0 3 6 4	0 3 6 4	0 3 6 4
	IIMAL ID	0 0 4 5 1	0 0 4 5 2	0 0 4 5 3	0 0 4 5 4	00455	00456	0 0 4 5 7	0 0 4 5 8	0 0 4 5 9	0 0 4 6 0	0 0 4 6 1	0 0 4 6 2	0 0 4 6 3	0 0 4 6 4	00465	00466	0 0 4 6 7	0 0 4 6 8	00469	0 0 4 7 0	0 0 4 7 1	0 0 4 7 2	0 0 4 7 3	0 0 4 7 4	0 0 4 7 5	0 0 4 7 6	0 0 4 7 7	0 0 4 7 8	0 0 4 7 9	0 0 4 8 0

Alimentary System

NONE

Cardiovascular System

NONE

Endocrine System

NONE

General Body System

NONE

Genital System

NONE

Hematopoietic System

NONE

Integumentary System

Skin	+	+	+	+	+ +	+	+
Acanthosis		3					
Alopecia				X			
Inflammation, Chronic Active	3	3	3	3		3	3
Ulcer	3			4		4	4
Skin, Control	+		+	+		+	+ + +

+ .. Tissue examined microscopically

M .. Missing tissue

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

X ..Lesion present

A .. Autolysis precludes evaluation

2) Mild

4) Marked

I .. Insufficient tissue

^{* ..}Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

Species/Strain: Mouse/SENCAR

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Init/prom comparative mouse study (DMBA/TPA/BPO/MNNG)

Test Type: INIT/PROMOT Route: SKIN APPLICATION

CAS Number: INIT/PROM

Date Report Requested: 10/18/2014
Time Report Requested: 20:21:28

First Dose M/F: NA / NA

Lab: BAT

SENCAR Mouse Female MNNG1000/ACETONE	AY ON TEST ANIMAL ID	0 2 4 5 0 0 4 5 1	0 1 7 4 0 0 4 5 2	0 2 8 6 0 0 4 5 3	0 1 1 1 0 0 4 5 4	0 1 4 6 0 0 4 5 5	0 3 6 2 0 0 4 5 6	0 2 8 8 0 0 4 5 7	0 3 6 2 0 0 4 5 8	0 3 6 2 0 0 4 5 9	0 3 6 3 0 0 4 6 0	0 1 1 9 0 0 4 6 1	0 3 6 3 0 0 4 6 2	0 2 3 8 0 0 4 6 3	0 3 0 3 0 0 4 6 4	0 3 6 3 0 0 4 6 5	0 2 5 0 0 0 4 6 6	0 1 5 4 0 0 4 6 7	0 1 3 2 0 0 4 6 8	0 3 5 4 0 0 4 6 9	0 3 6 4 0 0 4 7 0	0 3 6 4 0 0 4 7	0 1 9 7 0 0 4 7 2	0 2 8 9 0 0 4 7 3	0 3 4 6 0 0 4 7 4	0 2 4 7 0 0 4 7 5	0 1 4 8 0 0 4 7 6	0 2 5 7 0 0 4 7 7	0 3 6 4 0 0 4 7 8	0 3 6 4 0 0 4 7 9	0 3 6 4 0 0 4 8 0
Acanthosis		1													1		2								1	1					
Inflammation, Chronic Active		1													1									3							
Ulcer																								3							
Skin, SOA-Mass		+	+	+		+	+	+			+	+	+	+	+		+	+	+			+		+	+	+	+	+	+		+
Acanthosis													3																		2
Skin, SOA-No Mass		+			+		+		+	+		+			+	+	+		+			+	+	+	+			+	+		+
Acanthosis		4			1		1		1	1					3	1	4		1			1							4		
Hair Follicle, Cyst												Χ											Χ								
Inflammation, Chronic Active		1			1		1		1	1		3			1	1	2		3			1	3	Χ	3			3			2
Ulcer					4							4							4				3	3	4			3			3

Musculoskeletal System

NONE

Nervous System

NONE

Respiratory System

NONE

Special Senses System

NONE

Urinary System

NONE

M .. Missing tissue

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

X ..Lesion present

A .. Autolysis precludes evaluation

Page 57

2) Mild

^{* ..}Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

^{+ ..} Tissue examined microscopically

Species/Strain: Mouse/SENCAR

Test Type: INIT/PROMOT

Route: SKIN APPLICATION

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Init/prom comparative mouse study (DMBA/TPA/BPO/MNNG)

CAS Number: INIT/PROM

Date Report Requested: 10/18/2014 Time Report Requested: 20:21:28

First Dose M/F: NA / NA

Lab: BAT

DAY ON TEST

SENCAR Mouse Female MNNG1000/ACETONE

ANIMAL ID

*TOTALS

Alimentary System

NONE

Cardiovascular System

NONE

Endocrine System

NONE

General Body System

NONE

Genital System

NONE

Hematopoietic System

NONE

Integumentary System

Skin	9		
Acanthosis		1	3.0
Alopecia		1	
Inflammation, Chronic Active		6	3.0
Ulcer		4	3.8
Skin, Control	6		
Acanthosis		5	1.2

+ ..Tissue examined microscopically

M .. Missing tissue

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

X ..Lesion present

A .. Autolysis precludes evaluation

2) Mild

4) Marked

I ..Insufficient tissue

^{* ..}Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

Species/Strain: Mouse/SENCAR

Test Type: INIT/PROMOT

Route: SKIN APPLICATION

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Init/prom comparative mouse study (DMBA/TPA/BPO/MNNG)

CAS Number: INIT/PROM

Date Report Requested: 10/18/2014 Time Report Requested: 20:21:28

First Dose M/F: NA / NA

Lab: BAT

DAY ON TEST

SENCAR Mouse Female MNNG1000/ACETONE

ANIMAL ID

	*TOTA	<u>LS</u>
Inflammation, Chronic Active	3	1.7
Ulcer	1	3.0
Skin, SOA-Mass	22	
Acanthosis	2	2.5
Skin, SOA-No Mass	17	
Acanthosis	11	2.0
Hair Follicle, Cyst	2	
Inflammation, Chronic Active	16	1.8
Ulcer	8	3.5

Musculoskeletal System

NONE

Nervous System

NONE

Respiratory System

NONE

Special Senses System

NONE

Urinary System

NONE

+ .. Tissue examined microscopically

M .. Missing tissue

1-4 ..Lesion qualified as:1) Minimal 3) Moderate

X ..Lesion present

A .. Autolysis precludes evaluation

2) Mild

^{* ..}Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

Species/Strain: Mouse/SENCAR

Route: SKIN APPLICATION

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Init/prom comparative mouse study (DMBA/TPA/BPO/MNNG)

CAS Number: INIT/PROM

Date Report Requested: 10/18/2014 Time Report Requested: 20:21:28

First Dose M/F: NA / NA

Lab: BAT

DAY ON TEST

SENCAR Mouse Female TPA 5 COMPLETE

ANIMAL ID

*TOTALS

Alimentary System

NONE

Cardiovascular System

NONE

Endocrine System

NONE

General Body System

NONE

Genital System

NONE

Hematopoietic System

NONE

Integumentary System

NONE

Musculoskeletal System

NONE

Nervous System

NONE

+ .. Tissue examined microscopically

M .. Missing tissue

1-4 ..Lesion qualified as:1) Minimal 3) Moderate

X ..Lesion presentI ..Insufficient tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

2) Mild 4) Marked

^{* ..}Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

Species/Strain: Mouse/SENCAR

Route: SKIN APPLICATION

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Init/prom comparative mouse study (DMBA/TPA/BPO/MNNG)

CAS Number: INIT/PROM

Date Report Requested: 10/18/2014 Time Report Requested: 20:21:28

First Dose M/F: NA / NA

Lab: BAT

DAY ON TEST

SENCAR Mouse Female TPA 5 COMPLETE

ANIMAL ID

*TOTALS

Respiratory System

NONE

Special Senses System

NONE

Urinary System

NONE

+ .. Tissue examined microscopically

M .. Missing tissue

X ..Lesion present I .. Insufficient tissue A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild

^{* ..}Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

Experiment Number: 05117-06 P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Init/prom comparative mouse study (DMBA/TPA/BPO/MNNG)

Route: SKIN APPLICATION CAS Number: INIT/PROM First Do

Species/Strain: Mouse/SENCAR

Test Type: INIT/PROMOT

Date Report Requested: 10/18/2014
Time Report Requested: 20:21:28

First Dose M/F: NA / NA

Lab: BAT

DAY ON TES SENCAR Mouse Female MNNG100/COMPLETE	T 0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1	3	1	2	2	3	2	2	2	2	3	2	3	2	2	3	2	2	3	1	3	2	2	3	3	3	3	3	3	3
	7	2	9	8	8	6	8	6	6	6	1	2	4	8	8	6	1	8	0	6	1	6	1	0	4	6	0	4	1	1
	0	4	8	6	9	2	9	8	3	8	2	5	7	8	6	3	7	6	7	8	6	4	0	6	1	4	6	1	4	2
ANIMAL I	0 0 5 1 1	0 0 5 1 2	0 0 5 1 3	0 0 5 1 4	0 0 5 1 5	00516	0 0 5 1 7	0 0 5 1 8	0 0 5 1 9	0 0 5 2 0	0 0 5 2 1	0 0 5 2 2	0 0 5 2 3	0 0 5 2 4	00525	00526	0 0 5 2 7	00528	0 0 5 2 9	00530	0 0 5 3 1	0 0 5 3 2	0 0 5 3 3	0 0 5 3 4	00535	00536	0 0 5 3 7	00538	00500	0 0 5 4 0

Alimentary System

NONE

Cardiovascular System

NONE

Endocrine System

NONE

General Body System

NONE

Genital System

NONE

Hematopoietic System

NONE

Integumentary System

Skin	+	+	+	+	+
Acanthosis	4			4	
Alopecia	X				
Hair Follicle, Cyst	X				
Inflammation, Chronic Active		2		3	
Ulcer		3		4	4

+ .. Tissue examined microscopically

M .. Missing tissue

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

X ..Lesion present

A .. Autolysis precludes evaluation

2) Mild

4) Marked

I ..Insufficient tissue

^{* ..}Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Type: INIT/PROMOT

Test Compound: Init/prom comparative mouse study (DMBA/TPA/BPO/MNNG)

Route: SKIN APPLICATION Species/Strain: Mouse/SENCAR CAS Number: INIT/PROM

Date Report Requested: 10/18/2014 Time Report Requested: 20:21:29

First Dose M/F: NA / NA

Lab: BAT

SENCAR Mouse Female MNNG100/COMPLETE	AY ON TEST	0 1 7 0	0 3 2 4	0 1 9 8	0 2 8 6	0 2 8 9	0 3 6 2	0 2 8 9	0 2 6 8	0 2 6 3	0 2 6 8	0 3 1 2	0 2 2 5	0 3 4 7	0 2 8 8	0 2 8 6	0 3 6 3	0 2 1 7	0 2 8 6	0 3 0 7	0 1 6 8	0 3 1 6	0 2 6 4	0 2 1 0	0 3 0 6	0 3 4 1	0 3 6 4	0 3 0 6	0 3 4 1	0 3 1 4	0 3 1 2
	ANIMAL ID	0 5 1	0 5 1 2	0 5 1 3	0 5 1 4	0 0 5 1 5	0 5 1 6	0 5 1 7	0 5 1 8	0 5 1 9	0 5 2 0	0 5 2 1	00522	0 5 2 3	0 5 2 4	0 5 2 5	0 5 2 6	0 5 2 7	0 5 2 8	00529	00530	0 5 3 1	0 5 3 2	0 5 3 3	0 5 3 4	0 5 3 5	0 5 3 6	0 5 3 7	0 5 3 8	0 5 3 9	0 5 4 0
Skin, Control		+	+		+	+				+	+	+	+		+	+	+		+			+	+	+	+	+	+	+			+
Acanthosis		1	1		2	2				2	1	2	3		2	3	2					2	1	1	1	1	1	1			2
Inflammation, Chronic Active		1	1		2	2				1	1	2	2		1		1					1	1		1	1	1	2			2
Skin, SOA-Mass		+	+	+	+	+	+	+	+		+	+	+	+	+	+	+	+	+	+		+	+	+	+	+	+	+	+	+	+
Skin, SOA-No Mass		+	+	+	+	+	+	+	+	+	+	+	+	+	+		+	+	+	+	+	+	+	+	+	+	+	+	+		+
Acanthosis		1	3	4	2	2	1	1	1		1	2	2	4	2		2	2	3	1		4	3	1	2		1	1	2		
Inflammation, Chronic Active		1	3	2	2	3	1	1	1	3	2	2	2	2	2		1	1	3	2		2	2	1	2	3	1	2	2		4
Ulcer						4				4											4	3				3					4

Musculoskeletal System

NONE

Nervous System

NONE

Respiratory System

NONE

Special Senses System

NONE

Urinary System

NONE

+ .. Tissue examined microscopically

M .. Missing tissue

1-4 ..Lesion qualified as: 1) Minimal 3) Moderate

X ..Lesion present

2) Mild

4) Marked

A .. Autolysis precludes evaluation

I .. Insufficient tissue

^{* ..}Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

Experiment Number: 05117-06 P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Init/prom comparative mouse study (DMBA/TPA/BPO/MNNG)

CAS Number: INIT/PROM

Date Report Requested: 10/18/2014 Time Report Requested: 20:21:29

First Dose M/F: NA / NA

Lab: BAT

DAY ON TEST

SENCAR Mouse Female MNNG100/COMPLETE

Species/Strain: Mouse/SENCAR

Test Type: INIT/PROMOT

Route: SKIN APPLICATION

ANIMAL ID

*TOTALS

Alimentary System

NONE

Cardiovascular System

NONE

Endocrine System

NONE

General Body System

NONE

Genital System

NONE

Hematopoietic System

NONE

Integumentary System

Skin	5		
Acanthosis		2	4.0
Alopecia		1	
Hair Follicle, Cyst		1	
Inflammation, Chronic Active		2	2.5
Ulcer		3	3.7
Skin, Control	20		

+ ..Tissue examined microscopically M ..Missing tissue 1-4 ..Lesion qualified as:
X ..Lesion present A ..Autolysis precludes evaluation 1) Minimal 3) Moderate

I ..Insufficient tissue BLANK ..Not examined microscopically

Mild 4) Marked

^{* ..}Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Init/prom comparative mouse study (DMBA/TPA/BPO/MNNG)

CAS Number: INIT/PROM

Date Report Requested: 10/18/2014 Time Report Requested: 20:21:29

First Dose M/F: NA / NA

Lab: BAT

DAY ON TEST

SENCAR Mouse Female MNNG100/COMPLETE

Test Type: INIT/PROMOT

Route: SKIN APPLICATION

Species/Strain: Mouse/SENCAR

ANIMAL ID

	*TC	<u>ATC</u>	<u>LS</u>
Acanthosis		19	1.6
Inflammation, Chronic Active		17	1.4
Skin, SOA-Mass	28		
Skin, SOA-No Mass	28		
Acanthosis		24	2.0
Inflammation, Chronic Active		27	2.0
Ulcer		6	3.7

Musculoskeletal System

NONE

Nervous System

NONE

Respiratory System

NONE

Special Senses System

NONE

Urinary System

NONE

+ .. Tissue examined microscopically

M .. Missing tissue

1) Minimal 3) Moderate

1-4 ..Lesion qualified as:

X ..Lesion presentI ..Insufficient tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

2) Mild 4) Marked

Page 65

^{* ..}Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Init/prom comparative mouse study (DMBA/TPA/BPO/MNNG)

CAS Number: INIT/PROM

Time Report Requested: 20:21:29
First Dose M/F: NA / NA

Date Report Requested: 10/18/2014

Lab: BAT

Species/Strain: Mouse/SENCAR

Test Type: INIT/PROMOT

Route: SKIN APPLICATION

DAY ON TEST	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SENCAR Mouse Female	3	3	3	3	3	3	3	3	3	3	3	3	3	3	1	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
OLIVOAN MOUSE I CITIAIC	6	6	6	5	6	6	6	6	6	6	6	6	6	6	1	6	6	6	6	6	5	6	6	6	6	6	6	6	6	6
BPO 20 COMPLETE	2	2	2	8	2	2	2	2	2	2	3	3	3	3	0	3	3	3	3	3	5	4	4	4	4	4	4	4	4	4
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ANIWALIL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
	4	4	4	4	4	4	4	4	4	5	5	5	5	5	5	5	5	5	5	6	6	6	6	6	6	6	6	6	6	7
	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0

Alimentary System

NONE

Cardiovascular System

NONE

Endocrine System

NONE

General Body System

NONE

Genital System

NONE

Hematopoietic System

NONE

Integumentary System

Skin							+	+	+							+		+
Inflammation, Chronic Active							3	}	3									
Ulcer							3	3	4									
Skin, Control	+	+	+	+	+	+				+	+	+	+	+	+	+	+	
Acanthosis	2	2	1	1	1	1				1	1	1	1	2	1	1	1	
Inflammation, Chronic Active	1	1	1	1	1	1				1	1	1	1	1	1	1	1	

+ .. Tissue examined microscopically

M .. Missing tissue

1-4 ..Lesion qualified as:

X ..Lesion present

A .. Autolysis precludes evaluation

1) Minimal 3) Moderate

I .. Insufficient tissue

BLANK .. Not examined microscopically

2) Mild 4) Marked

^{* ..}Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Init/prom comparative mouse study (DMBA/TPA/BPO/MNNG)

Test Type: INIT/PROMOT **Route: SKIN APPLICATION** Species/Strain: Mouse/SENCAR

CAS Number: INIT/PROM

Date Report Requested: 10/18/2014 Time Report Requested: 20:21:29

First Dose M/F: NA / NA

Lab: BAT

SENCAR Mouse Female BPO 20 COMPLETE	AY ON TEST	0 3 6 2 0 0 5 4 1	0 3 6 2 0 0 5 4 2	0 3 6 2 0 0 5 4 3	0 3 5 8 0 0 5 4 4	0 3 6 2 0 0 5 4 5	0 3 6 2 0 0 5 4 6	0 3 6 2 0 0 5 4 7	0 3 6 2 0 0 5 4 8	0 3 6 2 0 0 5 4 9	0 3 6 2 0 0 5 5	0 3 6 3 0 0 5 5	0 3 6 3 0 0 5 5	0 3 6 3 0 0 5 5	0 3 6 3 0 0 5 5	0 1 1 0 0 5 5	0 3 6 3 0 5 5 6	0 3 6 3 0 0 5 5 7	0 3 6 3 0 0 5 5 8	0 3 6 3 0 0 5 5	0 3 6 3 0 0 5 6 0	0 3 5 5 0 0 5 6	0 3 6 4 0 0 5 6 2	0 3 6 4 0 0 5 6 3	0 3 6 4 0 0 5 6 4	0 3 6 4 0 5 6 5	0 3 6 4 0 0 5 6 6	0 3 6 4 0 0 5 6 7	0 3 6 4 0 0 5 6 8	0 3 6 4 0 0 5 6 9	0 3 6 4 0 0 5 7
Skin, SOA-Mass												+																			
Skin, SOA-No Mass		+	+	+	+	+	+	+	+	+	+	+	+	+		+	+	+	+	+	+	+	+	+	+	+		+	+	+	
Acanthosis		2	2	1	1	1	2	1	2	2	1	1	1	4		3	1	1	1	2	1	2	4	1	1	1		1	1	1	
Inflammation, Chronic Active Ulcer		1	1	1	1	1	1	1	1	1	1	1	1	2		3 4	1	1	1	1	1	1	2	1	1	1		1	1	1	

Musculoskeletal System

NONE

Nervous System

NONE

Respiratory System

NONE

Special Senses System

NONE

Urinary System

NONE

+ .. Tissue examined microscopically

M .. Missing tissue

A .. Autolysis precludes evaluation

2) Mild

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

X ..Lesion present I .. Insufficient tissue

BLANK .. Not examined microscopically

^{* ..}Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

Experiment Number: 05117-06 P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Init/prom comparative mouse study (DMBA/TPA/BPO/MNNG)

CAS Number: INIT/PROM

Date Report Requested: 10/18/2014 Time Report Requested: 20:21:29

First Dose M/F: NA / NA

Lab: BAT

DAY ON TEST

SENCAR Mouse Female BPO 20 COMPLETE

Species/Strain: Mouse/SENCAR

Test Type: INIT/PROMOT

Route: SKIN APPLICATION

ANIMAL ID

*TOTALS

Alimentary System

NONE

Cardiovascular System

NONE

Endocrine System

NONE

General Body System

NONE

Genital System

NONE

Hematopoietic System

NONE

Integumentary System

Skin	5	
Inflammation, Chronic Active	2	3.0
Ulcer	2	3.5
Skin, Control	14	
Acanthosis	14	1.2
Inflammation, Chronic Active	14	1.0
Skin, SOA-Mass	1	

+ ..Tissue examined microscopically

M .. Missing tissue

1-4 ..Lesion qualified as:1) Minimal 3) Moderate

X ..Lesion present

A .. Autolysis precludes evaluation

2) Mild

4) Marked

I ..Insufficient tissue

^{* ..}Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

Species/Strain: Mouse/SENCAR

Route: SKIN APPLICATION

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Init/prom comparative mouse study (DMBA/TPA/BPO/MNNG)

CAS Number: INIT/PROM

Date Report Requested: 10/18/2014 Time Report Requested: 20:21:29

First Dose M/F: NA / NA

Lab: BAT

DAY ON TEST

SENCAR Mouse Female BPO 20 COMPLETE

ANIMAL ID

	*TOTA	LS_
Skin, SOA-No Mass	27	
Acanthosis	27	1.6
Inflammation, Chronic Active	27	1.1
Ulcer	1	4.0

Musculoskeletal System

NONE

Nervous System

NONE

Respiratory System

NONE

Special Senses System

NONE

Urinary System

NONE

+ .. Tissue examined microscopically

M .. Missing tissue

1-4 ..Lesion qualified as:1) Minimal 3) Moderate

2) Mild

4) Marked

X ..Lesion present

A .. Autolysis precludes evaluation

lv

I .. Insufficient tissue

^{* ..}Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

Experiment Number: 05117-06 P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Init/prom comparative mouse study (DMBA/TPA/BPO/MNNG)

Route: SKIN APPLICATION CAS Number: INIT/PROM

Species/Strain: Mouse/SENCAR

Test Type: INIT/PROMOT

Date Report Requested: 10/18/2014
Time Report Requested: 20:21:29

First Dose M/F: NA / NA

Lab: BAT

DAY ON TE SENCAR Mouse Female MNNG 100/BPO 20		0 0 3 3 6 6 6 2 2	} .	0 3 6 2	0 3 6 2	0 3 6 2	0 3 6 2	0 3 6 2	0 3 6 2	0 3 6 2	0 3 6 3	0 3 6 3	0 3 6 3	0 3 6 3	0 3 6 3	0 3 6 3	0 3 6 3	0 3 6 3	0 1 8 4	0 3 6 3	0 3 6 4										
ANIMAI	1.3	0 (0 5 (5 7 (7		0	0 0 5 7	0 0 5 7 5	0 0 5 7 6	0 0 5 7	0 0 5 7 8	0 0 5 7 9	0 0 5 8 0	0 0 5 8 1	0 0 5 8 2	0 0 5 8 3	0 0 5 8 4	0 0 5 8 5	00586	0 0 5 8 7	00588	00589	00000	00591	00590	00599	00594	00595	00596	00597	0 0 5 9 8	0 0 5 9 9	0 0 6 0

Alimentary System

NONE

Cardiovascular System

NONE

Endocrine System

NONE

General Body System

NONE

Genital System

NONE

Hematopoietic System

NONE

Integumentary System

Skin												+			+	
Inflammation, Chronic Active												2				
Ulcer												3				
Skin, Control	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+
Acanthosis	1	1	1	1	1	1	1	1	2	1	1	2	1	1		1
Inflammation, Chronic Active	1	1	1	1	1	1	1	1	1	1	1	2	1	1		1

+ .. Tissue examined microscopically

M .. Missing tissue

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

X ..Lesion present

A .. Autolysis precludes evaluation

2) Mild

4) Marked

I .. Insufficient tissue

^{* ..}Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Init/prom comparative mouse study (DMBA/TPA/BPO/MNNG)

Route: SKIN APPLICATION Species/Strain: Mouse/SENCAR

Test Type: INIT/PROMOT

CAS Number: INIT/PROM

Date Report Requested: 10/18/2014

Time Report Requested: 20:21:29

First Dose M/F: NA / NA

Lab: BAT

DA	AY ON TEST	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SENCAR Mouse Female		3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	1	3	3	3	3	3	3	3	3	3	3	3	3
MNNG 100/BPO 20		6 2	6 2	2	2	2	2	2	2	2	3	3	3	3	3	3	3	3	8 4	<i>6 3</i>	6 4	6 4	4	6 4	6 4						
	ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	00	0	0	0	0	00	0 0	0	0	0	0
		5 7	5	5	5	5	5 7	5 7	5	5 7	5	5 8	5 9	5 9	5 9	5	5 9	5	5 9	5	5	5 9	6								
		1	2	3	4	5	6	7	8	9	ő	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	ŏ
Skin, SOA-Mass						+			+		+				+			+	+			+		+						+	+
Skin, SOA-No Mass		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+	+		+	+	+	+
Acanthosis		1	2	1	1	2	1	1	2	2	1	1	1	1	2	1	1	2	2	2	1	2	1		1	1		1	1	1	1
Inflammation, Chronic Active		1	1	1	2	2	1	1	2	2	1	1	1	1	1	1	1	1	2	1	1	2	1		1	1		1	1	1	1

Musculoskeletal System

NONE

Nervous System

NONE

Respiratory System

NONE

Special Senses System

NONE

Urinary System

NONE

+ .. Tissue examined microscopically

M .. Missing tissue

I .. Insufficient tissue

X ..Lesion present

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

^{* ..}Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

Test Type: INIT/PROMOT

Route: SKIN APPLICATION

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Init/prom comparative mouse study (DMBA/TPA/BPO/MNNG)

CAS Number: INIT/PROM

Date Report Requested: 10/18/2014 Time Report Requested: 20:21:29

First Dose M/F: NA / NA

Lab: BAT

DAY ON TEST

SENCAR Mouse Female MNNG 100/BPO 20

Species/Strain: Mouse/SENCAR

ANIMAL ID

*TOTALS

Alimentary System

NONE

Cardiovascular System

NONE

Endocrine System

NONE

General Body System

NONE

Genital System

NONE

Hematopoietic System

NONE

Integumentary System

Skin	2	
Inflammation, Chronic Active	1	2.0
Ulcer	1	3.0
Skin, Control	15	
Acanthosis	15	1.1
Inflammation, Chronic Active	15	1.1
Skin, SOA-Mass	10	

+ .. Tissue examined microscopically

M .. Missing tissue

1-4 ..Lesion qualified as:

X ..Lesion present

A .. Autolysis precludes evaluation

Minimal 3) Moderate
 Mild 4) Marked

I .. Insufficient tissue

^{* ..}Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Init/prom comparative mouse study (DMBA/TPA/BPO/MNNG)

CAS Number: INIT/PROM

Date Report Requested: 10/18/2014 Time Report Requested: 20:21:29

First Dose M/F: NA / NA

Lab: BAT

DAY ON TEST

SENCAR Mouse Female MNNG 100/BPO 20

Species/Strain: Mouse/SENCAR

Test Type: INIT/PROMOT

Route: SKIN APPLICATION

ANIMAL ID

	*TOTALS
Skin, SOA-No Mass	28
Acanthosis	28 1.3
Inflammation, Chronic Active	28 1.2

Musculoskeletal System

NONE

Nervous System

NONE

Respiratory System

NONE

Special Senses System

NONE

Urinary System

NONE

+ .. Tissue examined microscopically

M .. Missing tissue

1) Minimal 3) Moderate

1-4 ..Lesion qualified as:

X ..Lesion presentI ..Insufficient tissue

A .. Autolysis precludes evaluation

2) Mild

^{* ..}Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

Experiment Number: 05117-06 P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Init/prom comparative mouse study (DMBA/TPA/BPO/MNNG)

Route: SKIN APPLICATION CAS Number: INIT/PROM

Species/Strain: Mouse/SENCAR

Test Type: INIT/PROMOT

Date Report Requested: 10/18/2014
Time Report Requested: 20:21:29

First Dose M/F: NA / NA

Lab: BAT

DAY ON TEST SENCAR Mouse Female MNNG 500/BPO 20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3	1	3	3	3	3	3	3	3	3	3	3	3	3	3	3	1	3	3	3	2	2	3	2	3	3	3	3	3	3
	6	1	6	6	6	6	6	6	6	0	6	4	6	6	6	6	8	6	6	6	5	8	6	5	6	6	6	6	6	6
	2	1	2	2	2	2	3	3	3	7	3	6	3	3	3	3	1	4	4	4	0	9	4	1	4	4	4	4	4	4
ANIMAL ID	0 0 6 0 1	0 0 6 0 2	0 0 6 0 3	0 0 6 0 4	0 0 6 0 5	0 0 6 0 6	0 0 6 0 7	0 0 6 0 8	0 0 6 0 9	0 0 6 1 0	0 0 6 1 1	0 0 6 1 2	0 0 6 1 3	0 0 6 1 4	0 0 6 1 5	0 0 6 1 6	0 0 6 1 7	0 0 6 1 8	0 0 6 1 9	0 0 6 2 0	0 0 6 2 1	0 0 6 2 2	0 0 6 2 3	0 0 6 2 4	0 0 6 2 5	0 0 6 2 6	0 0 6 2 7	0 0 6 2 8	0 0 6 2 9	0 0 6 3

Alimentary System

NONE

Cardiovascular System

NONE

Endocrine System

NONE

General Body System

NONE

Genital System

NONE

Hematopoietic System

NONE

Integumentary System

Skin		+								+								+
Alopecia										Χ								
Inflammation, Chronic Active		4								3								
Ulcer		4								3								
Skin, Control	+	+	+	+	+	+	+	. +	+	+	+	+	+	+	+	+	+	
Acanthosis	2	1	1	1	1	1	1	1	3	1	1	1	2	1	1	1	2	

+ .. Tissue examined microscopically

M .. Missing tissue

1-4 ..Lesion qualified as:

X ..Lesion present
I ..Insufficient tissue

A .. Autolysis precludes evaluation

1) Minimal 3) Moderate

BLANK .. Not examined microscopically

2) Mild

^{* ..}Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Init/prom comparative mouse study (DMBA/TPA/BPO/MNNG)

Route: SKIN APPLICATION
Species/Strain: Mouse/SENCAR

Test Type: INIT/PROMOT

CAS Number: INIT/PROM

Date Report Requested: 10/18/2014
Time Report Requested: 20:21:30

First Dose M/F: NA / NA

Lab: BAT

DAY ON TEST SENCAR Mouse Female MNNG 500/BPO 20 ANIMAL ID	3 6 2	0 1 1 1 0 0 6 0 2	0 3 6 2 0 0 6 0 6 0 3	0 3 6 2 0 0 6 0 6	0 3 6 2 0 0 6 0 5	0 3 6 2 0 0 6 0 6	0 3 6 3 0 0 6 0 7	0 3 6 3 0 0 6 0 8	0 3 6 3 0 0 6 0 9	0 3 0 7 0 0 0 6 1	0 3 6 3 0 0 6 1 1	0 3 4 6 0 0 6 1 2	0 3 6 3 0 0 6 1 3	0 3 6 3 0 0 6 1 4	0 3 6 3 0 0 6 1 5	0 3 6 3 0 0 6 1 6	0 1 8 1 0 0 6 1 7	0 3 6 4 0 0 6 1 8	0 3 6 4 0 0 6 1 9	0 3 6 4 0 0 6 2 0	0 2 5 0 0 0 6 2 1	0 2 8 9 0 0 6 2 2	0 3 6 4 0 0 6 2 3	0 2 5 1 0 0 6 2 4	0 3 6 4 0 0 6 2 5	0 3 6 4 0 0 6 2 6	0 3 6 4 0 0 6 2 7	0 3 6 4 0 0 6 2 8	0 3 6 4 0 0 6 2 9	0 3 6 4 0 0 6 3 0
Inflammation, Chronic Active	1	1	1	1						1			1	1	1	2	1		1	1	1	1		1	1				1	
Skin, SOA-Mass Acanthosis		+		+			+			+		+	+	+ 4			+			+	+	+		+		+			+	
Skin, SOA-No Mass	+	+	+	+	+	+		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Acanthosis	3	4	4	1	1	2		1	3	3	1	3	1	1	1	1	3	1	1	1	3	2	4	2	1	1	2	1	2	
Inflammation, Chronic Active Ulcer	2	2	1	1	1	1		1	2	4 4	1	2	1	1	1	1	3 3	1	1	1	2	1	2	1	1	1	1	1	1	

Musculoskeletal System

NONE

Nervous System

NONE

Respiratory System

NONE

Special Senses System

NONE

Urinary System

NONE

+ .. Tissue examined microscopically

M .. Missing tissue

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

X ..Lesion present
I ..Insufficient tissue

A .. Autolysis precludes evaluation

2) Mild

4) Marked

^{* ..}Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

Species/Strain: Mouse/SENCAR

Test Type: INIT/PROMOT

Route: SKIN APPLICATION

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Init/prom comparative mouse study (DMBA/TPA/BPO/MNNG)

CAS Number: INIT/PROM

Date Report Requested: 10/18/2014 Time Report Requested: 20:21:30

First Dose M/F: NA / NA

Lab: BAT

DAY ON TEST

SENCAR Mouse Female MNNG 500/BPO 20

ANIMAL ID

*TOTALS

Alimentary System

NONE

Cardiovascular System

NONE

Endocrine System

NONE

General Body System

NONE

Genital System

NONE

Hematopoietic System

NONE

Integumentary System

Skin	3		
Alopecia		1	
Inflammation, Chronic Active		2	3.5
Ulcer		2	3.5
Skin, Control	17		
Acanthosis		17	1.3
Inflammation, Chronic Active		17	1.1

+ ..Tissue examined microscopically

M .. Missing tissue

1-4 ..Lesion qualified as:

X ..Lesion present

A .. Autolysis precludes evaluation

1) Minimal 3) Moderate

I .. Insufficient tissue

BLANK .. Not examined microscopically

2) Mild 4) Marked

^{* ..}Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

Species/Strain: Mouse/SENCAR

Test Type: INIT/PROMOT

Route: SKIN APPLICATION

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Init/prom comparative mouse study (DMBA/TPA/BPO/MNNG)

CAS Number: INIT/PROM

Date Report Requested: 10/18/2014 Time Report Requested: 20:21:30

First Dose M/F: NA / NA

Lab: BAT

DAY ON TEST

SENCAR Mouse Female MNNG 500/BPO 20

ANIMAL ID

	*TC)TA	LS
Skin, SOA-Mass	14		
Acanthosis		1	4.0
Skin, SOA-No Mass	28		
Acanthosis		28	1.9
Inflammation, Chronic Active		28	1.4
Ulcer		2	3.5

Musculoskeletal System

NONE

Nervous System

NONE

Respiratory System

NONE

Special Senses System

NONE

Urinary System

NONE

+ .. Tissue examined microscopically

M .. Missing tissue

1) Minimal 3) Moderate

X ..Lesion presentI ..Insufficient tissue

A .. Autolysis precludes evaluation

BLANK ..Not examined microscopically

2) Mild

1-4 ..Lesion qualified as:

^{* ..}Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Init/prom comparative mouse study (DMBA/TPA/BPO/MNNG)

Test Type: INIT/PROMOT **Route:** SKIN APPLICATION

Species/Strain: Mouse/SENCAR

CAS Number: INIT/PROM

Time Report Requested: 20:21:30

Date Report Requested: 10/18/2014

First Dose M/F: NA / NA

Lab: BAT

DAY ON TE SENCAR Mouse Female MNNG1000/BPO 20	ST 0 3 1	0	0 2 2 9	0 3 6 2	0 3 4 1	0 1 9 4	0 3 6 2	0 3 6 2	0 3 6 2	0 3 6 2	0 3 6 3	0 3 6 3	0 2 0 9	0 3 6 3	0 0 1 4	0 1 9 7	0 3 1 4	0 3 0 6	0 3 6 3	0 1 7 4	0 1 7 4	0 3 6 3	0 3 6 4	0 2 4 4	0 1 9 8	0 3 6 4	0 3 6 4	0 3 6 4	0 1 5 4	0 2 5 9
ANIMAL	ID 0	0	0 0 6 3	0 0 6 3 4	0 0 6 3 5	0 0 6 3 6	0 0 6 3 7	0 0 6 3 8	0 0 6 3	0 0 6 4	0 0 6 4	0 0 6 4 2	0 0 6 4 3	0 0 6 4 4	0 0 6 4 5	0 0 6 4 6	0 0 6 4 7	0 0 6 4 8	0 0 6 4 9	0 0 6 5 0	0 0 6 5	0 0 6 5 2	0 0 6 5 3	0 0 6 5 4	00655	0 0 6 5 6	0 0 6 5 7	0 0 6 5 8	00659	0 0 6 6 0

Alimentary System

NONE

Cardiovascular System

NONE

Endocrine System

NONE

General Body System

NONE

Genital System

NONE

Hematopoietic System

NONE

Integumentary System

Skin	+	+		+ +	+
Acanthosis		3			
Hair Follicle, Cyst				X	
Inflammation, Chronic Active	3			3 3	3
Ulcer	3	3		4 4	3
Skin, Control	+ +	+ + + +	+ + + + + + +	+ + + +	+

+ .. Tissue examined microscopically

M .. Missing tissue

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

X ..Lesion present

A .. Autolysis precludes evaluation

2) Mild

4) Marked

I ..Insufficient tissue

^{* ..}Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

Test Type: INIT/PROMOT

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Init/prom comparative mouse study (DMBA/TPA/BPO/MNNG)

Route: SKIN APPLICATION Species/Strain: Mouse/SENCAR CAS Number: INIT/PROM

Date Report Requested: 10/18/2014 Time Report Requested: 20:21:30

First Dose M/F: NA / NA

Lab: BAT

SENCAR Mouse Female MNNG1000/BPO 20	AY ON TEST	0 3 1 4 0 0 6 3 1	0 0 7 1 0 0 6 3 2	0 2 2 9 0 0 6 3 3	0 3 6 2 0 0 6 3 4	0 3 4 1 0 0 6 3 5	0 1 9 4 0 0 6 3 6	0 3 6 2 0 0 6 3 7	0 3 6 2 0 0 6 3 8	0 3 6 2 0 0 6 3 9	0 3 6 2 0 0 6 4 0	0 3 6 3 0 0 6 4 1	0 3 6 3 0 0 6 4 2	0 2 0 9 0 0 6 4 3	0 3 6 3 0 0 6 4 4	0 0 1 4 0 0 6 4 5	0 1 9 7 0 0 6 4 6	0 3 1 4 0 0 6 4 7	0 3 0 6 0 0 6 4 8	0 3 6 3 0 0 6 4 9	0 1 7 4 0 0 6 5 0	0 1 7 4 0 0 6 5 1	0 3 6 3 0 0 6 5 2	0 3 6 4 0 0 6 5 3	0 2 4 4 0 0 6 5 4	0 1 9 8 0 0 6 5 5	0 3 6 4 0 0 6 5 6	0 3 6 4 0 0 6 5 7	0 3 6 4 0 0 6 5 8	0 1 5 4 0 0 6 5 9	0 2 5 9 0 0 6 6 0
Acanthosis				2	1		1	1	1					2	1	2	1	3	3	1		1	1	1						2	
Inflammation, Chronic Active			3	1	1		1	1	1		3			1		1	1		1	1		1	1	1						1	
Ulcer			3								4																				
Skin, SOA-Mass		+		+	+	+	+	+		+				+	+			+	+	+				+	+	+			+		+
Skin, SOA-No Mass		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+	+
Acanthosis		4	2	3	2	4	3	1	1	1		1	1	3	1	3		4	3	2	4	3	2	2	3	3	4	2		2	2
Hair Follicle, Cyst																				Χ											
Inflammation, Chronic Active		2	2	3	1	2	3	1	1	1	3	1	1	2	1	1	3	1	2	1	3	2	2	2	3	3	2	2		1	1
Ulcer							3				4						4				4				4	3					

Musculoskeletal System

NONE

Nervous System

NONE

Respiratory System

NONE

Special Senses System

NONE

Urinary System

NONE

+ .. Tissue examined microscopically

M .. Missing tissue

1-4 ..Lesion qualified as:

X ..Lesion present

A .. Autolysis precludes evaluation

2) Mild

1) Minimal 3) Moderate 4) Marked

I .. Insufficient tissue

^{* ..}Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

Test Type: INIT/PROMOT

Route: SKIN APPLICATION

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Init/prom comparative mouse study (DMBA/TPA/BPO/MNNG)

CAS Number: INIT/PROM

Date Report Requested: 10/18/2014 Time Report Requested: 20:21:30

First Dose M/F: NA / NA

Lab: BAT

DAY ON TEST

SENCAR Mouse Female MNNG1000/BPO 20

Species/Strain: Mouse/SENCAR

ANIMAL ID

*TOTALS

Alimentary System

NONE

Cardiovascular System

NONE

Endocrine System

NONE

General Body System

NONE

Genital System

NONE

Hematopoietic System

NONE

Integumentary System

Skin	5		
Acanthosis		1	3.0
Hair Follicle, Cyst		1	
Inflammation, Chronic Active		4	3.0
Ulcer		5	3.4
Skin, Control	18		
Acanthosis		16	1.5

+ ..Tissue examined microscopically

M .. Missing tissue

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

X ..Lesion present

A .. Autolysis precludes evaluation

2) Mild

4) Marked

I ..Insufficient tissue

^{* ..}Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Init/prom comparative mouse study (DMBA/TPA/BPO/MNNG)

CAS Number: INIT/PROM

Date Report Requested: 10/18/2014 Time Report Requested: 20:21:30

First Dose M/F: NA / NA

Lab: BAT

DAY ON TEST

SENCAR Mouse Female MNNG1000/BPO 20

Species/Strain: Mouse/SENCAR

Test Type: INIT/PROMOT

Route: SKIN APPLICATION

ANIMAL ID

	*TO	<u> TA</u>	<u>LS</u>
Inflammation, Chronic Active		16	1.3
Ulcer		2	3.5
Skin, SOA-Mass	17		
Skin, SOA-No Mass	29		
Acanthosis		27	2.4
Hair Follicle, Cyst		1	
Inflammation, Chronic Active		29	1.8
Ulcer		6	3.7

Musculoskeletal System

NONE

Nervous System

NONE

Respiratory System

NONE

Special Senses System

NONE

Urinary System

NONE

+ .. Tissue examined microscopically

M ..Missing tissue

1) Minimal 3) Moderate

X ..Lesion present

A .. Autolysis precludes evaluation

2) Mild

1-4 ..Lesion qualified as:

4) Marked

I ..Insufficient tissue

^{* ..}Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

Species/Strain: Mouse/SENCAR

Route: SKIN APPLICATION

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Init/prom comparative mouse study (DMBA/TPA/BPO/MNNG)

CAS Number: INIT/PROM

Date Report Requested: 10/18/2014 Time Report Requested: 20:21:30

First Dose M/F: NA / NA

Lab: BAT

DAY ON TEST

SENCAR Mouse Female MNNG 100/TPA 5

ANIMAL ID

*TOTALS

Alimentary System

NONE

Cardiovascular System

NONE

Endocrine System

NONE

General Body System

NONE

Genital System

NONE

Hematopoietic System

NONE

Integumentary System

NONE

Musculoskeletal System

NONE

Nervous System

NONE

+ .. Tissue examined microscopically

M .. Missing tissue

1-4 ..Lesion qualified as:1) Minimal 3) Moderate

X ..Lesion presentI ..Insufficient tissue

A .. Autolysis precludes evaluation

BLANK ..Not examined microscopically

2) Mild 4) Marked

Page 82

^{* ..}Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

Species/Strain: Mouse/SENCAR

Route: SKIN APPLICATION

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Init/prom comparative mouse study (DMBA/TPA/BPO/MNNG)

CAS Number: INIT/PROM

Date Report Requested: 10/18/2014 Time Report Requested: 20:21:30

First Dose M/F: NA / NA

Lab: BAT

DAY ON TEST

SENCAR Mouse Female MNNG 100/TPA 5

ANIMAL ID

*TOTALS

Respiratory System

NONE

Special Senses System

NONE

Urinary System

NONE

M .. Missing tissue

A .. Autolysis precludes evaluation

X ..Lesion present I .. Insufficient tissue

BLANK .. Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild

^{* ..}Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

^{+ ..} Tissue examined microscopically

Species/Strain: Mouse/SENCAR

Route: SKIN APPLICATION

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Init/prom comparative mouse study (DMBA/TPA/BPO/MNNG)

CAS Number: INIT/PROM

Date Report Requested: 10/18/2014 Time Report Requested: 20:21:30

First Dose M/F: NA / NA

Lab: BAT

DAY ON TEST

SENCAR Mouse Female MNNG1000/TPA 5

ANIMAL ID

*TOTALS

Alimentary System

NONE

Cardiovascular System

NONE

Endocrine System

NONE

General Body System

NONE

Genital System

NONE

Hematopoietic System

NONE

Integumentary System

NONE

Musculoskeletal System

NONE

Nervous System

NONE

+ .. Tissue examined microscopically

M .. Missing tissue

1-4 ..Lesion qualified as: 1) Minimal 3) Moderate

4) Marked

X .. Lesion present

A .. Autolysis precludes evaluation

2) Mild

^{* ..}Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

Species/Strain: Mouse/SENCAR

Route: SKIN APPLICATION

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Init/prom comparative mouse study (DMBA/TPA/BPO/MNNG)

CAS Number: INIT/PROM

Date Report Requested: 10/18/2014 Time Report Requested: 20:21:30

First Dose M/F: NA / NA

Lab: BAT

DAY ON TEST

SENCAR Mouse Female MNNG1000/TPA 5

ANIMAL ID

*TOTALS

Respiratory System

NONE

Special Senses System

NONE

Urinary System

NONE

M .. Missing tissue

X ..Lesion present

I .. Insufficient tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

^{* ..}Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

^{+ ..} Tissue examined microscopically

Species/Strain: Mouse/SENCAR

Route: SKIN APPLICATION

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Init/prom comparative mouse study (DMBA/TPA/BPO/MNNG)

CAS Number: INIT/PROM

Date Report Requested: 10/18/2014 Time Report Requested: 20:21:30

First Dose M/F: NA / NA

Lab: BAT

DAY ON TEST

SENCAR Mouse Female SENTINEL FEMALE

ANIMAL ID

*TOTALS

Alimentary System

NONE

Cardiovascular System

NONE

Endocrine System

NONE

General Body System

NONE

Genital System

NONE

Hematopoietic System

NONE

Integumentary System

NONE

Musculoskeletal System

NONE

Nervous System

NONE

+ .. Tissue examined microscopically

M .. Missing tissue

1-4 ..Lesion qualified as: 1) Minimal 3) Moderate

X .. Lesion present

A .. Autolysis precludes evaluation

2) Mild

^{* ..}Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

Species/Strain: Mouse/SENCAR

Route: SKIN APPLICATION

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Init/prom comparative mouse study (DMBA/TPA/BPO/MNNG)

CAS Number: INIT/PROM

Date Report Requested: 10/18/2014 Time Report Requested: 20:21:30

First Dose M/F: NA / NA

Lab: BAT

DAY ON TEST

SENCAR Mouse Female SENTINEL FEMALE

ANIMAL ID

*TOTALS

Respiratory System

NONE

Special Senses System

NONE

Urinary System

NONE

** END OF REPORT **

M .. Missing tissue

X ..Lesion present

I ..Insufficient tissue

A ..Autolysis precludes evaluation BLANK ..Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild

^{* ..}Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

^{+ ..} Tissue examined microscopically