

Experiment Number: 05117-03
Test Type: INIT/PROMOT
Route: SKIN APPLICATION
Species/Strain: Mouse/SENCAR

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: 10/21/2014
Time Report Requested: 07:42:19
First Dose M/F: NA / NA
Lab: BAT

C Number: C61994C
Lock Date: Not Entered.
Cage Range: All
Date Range: All
Reasons For Removal: All
Removal Date Range: All
Treatment Groups: All
Study Gender: Both
PWG Approval Date 04/27/1994

Experiment Number: 05117-03
Test Type: INIT/PROMOT
Route: SKIN APPLICATION
Species/Strain: Mouse/SENCAR

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: 10/21/2014
Time Report Requested: 07:42:19
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	28		
Skin, Control	1		
Inflammation, Chronic Active	1	1.0	
Skin, SOA-No Mass	1		
Acanthosis	1	2.0	
Inflammation, Chronic Active	1	3.0	
Ulcer	1	4.0	

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

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Experiment Number: 05117-03
Test Type: INIT/PROMOT
Route: SKIN APPLICATION
Species/Strain: Mouse/SENCAR

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: 10/21/2014
Time Report Requested: 07:42:19
First Dose M/F: NA / NA
Lab: BAT

DAY ON TEST

SENCAR Mouse Male
VEHICLE CONTROL

ANIMAL ID

*TOTALS

Musculoskeletal System

NONE

Nervous System

NONE

Respiratory System

NONE

Special Senses System

NONE

Urinary System

NONE

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

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Experiment Number: 05117-03
Test Type: INIT/PROMOT
Route: SKIN APPLICATION
Species/Strain: Mouse/SENCAR

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: 10/21/2014
Time Report Requested: 07:42:20
First Dose M/F: NA / NA
Lab: BAT

DAY ON TEST

SENCAR Mouse Male
DMBA0.25/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	25		
Inflammation, Chronic Active	1	4.0	
Ulcer	1	4.0	
Skin, SOA-No Mass	5		
Acanthosis	4	1.0	
Inflammation, Chronic Active	2	2.5	
Ulcer	1	4.0	

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

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Experiment Number: 05117-03
Test Type: INIT/PROMOT
Route: SKIN APPLICATION
Species/Strain: Mouse/SENCAR

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: 10/21/2014
Time Report Requested: 07:42:20
First Dose M/F: NA / NA
Lab: BAT

DAY ON TEST

SENCAR Mouse Male
DMBA0.25/ACETONE

ANIMAL ID

*TOTALS

Musculoskeletal System

NONE

Nervous System

NONE

Respiratory System

NONE

Special Senses System

NONE

Urinary System

NONE

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

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Experiment Number: 05117-03
Test Type: INIT/PROMOT
Route: SKIN APPLICATION
Species/Strain: Mouse/SENCAR

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: 10/21/2014
Time Report Requested: 07:42:20
First Dose M/F: NA / NA
Lab: BAT

DAY ON TEST

SENCAR Mouse Male
DMBA 2.5/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		
Acanthosis	1	3.0	
Inflammation, Chronic Active	1	4.0	
Ulcer, Multiple	1	4.0	
Skin, Control	2		
Acanthosis	2	1.0	
Inflammation, Chronic Active	1	1.0	

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

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Experiment Number: 05117-03
Test Type: INIT/PROMOT
Route: SKIN APPLICATION
Species/Strain: Mouse/SENCAR

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: 10/21/2014
Time Report Requested: 07:42:20
First Dose M/F: NA / NA
Lab: BAT

DAY ON TEST

SENCAR Mouse Male
DMBA 2.5/ACETONE

	ANIMAL ID	*TOTALS
Skin, SOA-No Mass	1	
Acanthosis	1	1.0
Musculoskeletal System		
NONE		
Nervous System		
NONE		
Respiratory System		
NONE		
Special Senses System		
NONE		
Urinary System		
NONE		

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

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Experiment Number: 05117-03
 Test Type: INIT/PROMOT
 Route: SKIN APPLICATION
 Species/Strain: Mouse/SENCAR

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: 10/21/2014
 Time Report Requested: 07:42:20
 First Dose M/F: NA / NA
 Lab: BAT

SENCAR Mouse Male DMBA 25/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
	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
	2	2	2	2	2	2	2	2	3	3	3	3	3	3	3	4	4	4	4	4	4	5	5	5	8	5	5	5
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	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	0	1	1	1	1	1	1	1	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

Alimentary System

NONE

Cardiovascular System

NONE

Endocrine System

NONE

General Body System

NONE

Genital System

NONE

Hematopoietic System

NONE

Integumentary System

Skin	+		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Acanthosis																												
Inflammation, Chronic Active																												
Ulcer																												
Skin, SOA-No Mass		+																										
Acanthosis																												

* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + ..Tissue examined microscopically
 X ..Lesion present
 I ..Insufficient tissue
 M ..Missing tissue
 A ..Autolysis precludes evaluation
 BLANK ..Not examined microscopically
 1-4 ..Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

Experiment Number: 05117-03
Test Type: INIT/PROMOT
Route: SKIN APPLICATION
Species/Strain: Mouse/SENCAR

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: 10/21/2014
Time Report Requested: 07:42:20
First Dose M/F: NA / NA
Lab: BAT

DAY ON TEST

SENCAR Mouse Male
DMBA 25/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	30		
Acanthosis	1	3.0	
Inflammation, Chronic Active	1	4.0	
Ulcer	1	4.0	
Skin, SOA-No Mass	1		
Acanthosis	1	1.0	

Musculoskeletal System

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

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Experiment Number: 05117-03
Test Type: INIT/PROMOT
Route: SKIN APPLICATION
Species/Strain: Mouse/SENCAR

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: 10/21/2014
Time Report Requested: 07:42:20
First Dose M/F: NA / NA
Lab: BAT

DAY ON TEST

SENCAR Mouse Male
DMBA 25/ACETONE

ANIMAL ID

*TOTALS

NONE

Nervous System

NONE

Respiratory System

NONE

Special Senses System

NONE

Urinary System

NONE

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

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Experiment Number: 05117-03
 Test Type: INIT/PROMOT
 Route: SKIN APPLICATION
 Species/Strain: Mouse/SENCAR

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: 10/21/2014
 Time Report Requested: 07:42:21
 First Dose M/F: NA / NA
 Lab: BAT

SENCAR Mouse Male DMBA2.5/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		
ANIMAL ID	3	3	3	3	3	2	3	3	1	3	3	3	2	3	2	2	3	3	3	3	2	1	3	3	3	2	3	3	3		
	1	2	0	6	2	6	9	6	4	9	6	1	0	5	6	6	8	5	6	6	6	9	4	6	5	5	5	6	1	5	
	2	3	2	2	3	2	3	2	2	6	3	7	9	1	3	6	7	9	4	4	4	5	5	5	1	5	6	1	5	7	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	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	
	2	2	2	2	2	2	2	2	3	3	3	3	3	3	3	3	3	4	4	4	4	4	4	4	4	4	4	4	4	5	
	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	
Skin, Control		+				+				+						+	+		+					+					+	+	
Acanthosis						1			1							1	1							1					2	1	
Inflammation, Chronic Active		1													2				1												
Skin, SOA-Mass	+	+	+	+	+	+	+	+	+		+	+	+	+	+	+	+	+	+	+	+	+		+	+	+		+	+	+	
Acanthosis																															
Skin, SOA-No Mass		+	+		+	+	+	+	+	+	+	+	+	+	+		+	+	+	+		+	+	+		+	+	+		+	
Acanthosis	2	2		1	2	3	4	2	3	3	1	1	1	2	1		1	2	1	4		1	4	2			3		1		
Inflammation, Chronic Active	4	2		1		2	3	2	2	4				3	1		2	2	1	3		1	3				4		1		
Ulcer	4													4						4								4			
Ulcer, Multiple											4														4						
Musculoskeletal System																															
NONE																															
Nervous System																															
NONE																															
Respiratory System																															
NONE																															
Special Senses System																															
NONE																															
Urinary System																															
NONE																															

* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + ..Tissue examined microscopically
 X ..Lesion present
 I ..Insufficient tissue
 M ..Missing tissue
 A ..Autolysis precludes evaluation
 BLANK ..Not examined microscopically
 1-4 ..Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

Experiment Number: 05117-03
Test Type: INIT/PROMOT
Route: SKIN APPLICATION
Species/Strain: Mouse/SENCAR

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: 10/21/2014
Time Report Requested: 07:42:21
First Dose M/F: NA / NA
Lab: BAT

DAY ON TEST

SENCAR Mouse Male
DMBA2.5/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

Skin	6	
Acanthosis	4	2.5
Hair Follicle, Cyst	1	
Inflammation, Chronic Active	4	4.0
Ulcer	2	4.0
Ulcer, Multiple	2	4.0
Skin, Control	9	

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

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Experiment Number: 05117-03
Test Type: INIT/PROMOT
Route: SKIN APPLICATION
Species/Strain: Mouse/SENCAR

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: 10/21/2014
Time Report Requested: 07:42:21
First Dose M/F: NA / NA
Lab: BAT

DAY ON TEST

SENCAR Mouse Male
DMBA2.5/COMPLETE

ANIMAL ID	*TOTALS	
Acanthosis	7	1.1
Inflammation, Chronic Active	3	1.3
Skin, SOA-Mass	27	
Acanthosis	1	2.0
Skin, SOA-No Mass	23	
Acanthosis	23	2.0
Inflammation, Chronic Active	18	2.3
Ulcer	4	4.0
Ulcer, Multiple	2	4.0

Musculoskeletal System

NONE

Nervous System

NONE

Respiratory System

NONE

Special Senses System

NONE

Urinary System

NONE

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

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Experiment Number: 05117-03
 Test Type: INIT/PROMOT
 Route: SKIN APPLICATION
 Species/Strain: Mouse/SENCAR

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: 10/21/2014
 Time Report Requested: 07:42:21
 First Dose M/F: NA / NA
 Lab: BAT

SENCAR Mouse Male BPO 20/ 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	
	3	2	3	1	3	3	2	3	3	3	3	3	3	3	3	3	3	3	2	0	1	3	3	3	0	3	3	3	3	3
	6	1	6	3	6	6	1	6	6	6	6	6	6	6	6	6	6	6	9	2	3	6	6	6	8	6	6	6	6	6
	2	7	2	9	2	2	8	2	2	3	3	3	3	3	4	4	4	7	7	8	4	4	4	4	5	5	5	5	5	5
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	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	2	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
Inflammation, Chronic Active	2	1		1					2	2	1	1	1	1	1	1	1	2	1	1										
Skin, SOA-No Mass	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Acanthosis	2	3	2	2	1	1	2	1	2	2	2	2	1	3	2	2	2	2	1	2	3	1	2	2	2	2	2	1	2	2
Inflammation, Chronic Active	2	2	2	2	1	1	2	1	2	2	2	2	1	2	2	2	2	1	1	2	3	1	2	1	2		1	1	1	1
Musculoskeletal System																														
NONE																														
Nervous System																														
NONE																														
Respiratory System																														
NONE																														
Special Senses System																														
NONE																														
Urinary System																														
NONE																														

* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + ..Tissue examined microscopically
 X ..Lesion present
 I ..Insufficient tissue
 M ..Missing tissue
 A ..Autolysis precludes evaluation
 BLANK ..Not examined microscopically
 1-4 ..Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

Experiment Number: 05117-03
Test Type: INIT/PROMOT
Route: SKIN APPLICATION
Species/Strain: Mouse/SENCAR

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: 10/21/2014
Time Report Requested: 07:42:21
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	3		
Acanthosis	3	3.3	
Inflammation, Chronic Active	3	3.7	
Ulcer	3	4.0	
Skin, Control	20		
Acanthosis	19	1.3	
Inflammation, Chronic Active	15	1.3	

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

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Experiment Number: 05117-03
Test Type: INIT/PROMOT
Route: SKIN APPLICATION
Species/Strain: Mouse/SENCAR

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: 10/21/2014
Time Report Requested: 07:42:21
First Dose M/F: NA / NA
Lab: BAT

DAY ON TEST

SENCAR Mouse Male
BPO 20/ COMPLETE

	ANIMAL ID	<u>*TOTALS</u>	
Skin, SOA-No Mass		30	
Acanthosis		30	1.9
Inflammation, Chronic Active		29	1.6
Musculoskeletal System			
NONE			
Nervous System			
NONE			
Respiratory System			
NONE			
Special Senses System			
NONE			
Urinary System			
NONE			

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

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Experiment Number: 05117-03
Test Type: INIT/PROMOT
Route: SKIN APPLICATION
Species/Strain: Mouse/SENCAR

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: 10/21/2014
Time Report Requested: 07:42:21
First Dose M/F: NA / NA
Lab: BAT

DAY ON TEST

SENCAR Mouse Male
DMBA0.25/ 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

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

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Experiment Number: 05117-03
Test Type: INIT/PROMOT
Route: SKIN APPLICATION
Species/Strain: Mouse/SENCAR

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: 10/21/2014
Time Report Requested: 07:42:21
First Dose M/F: NA / NA
Lab: BAT

DAY ON TEST

SENCAR Mouse Male
DMBA0.25/ TPA 5

ANIMAL ID

*TOTALS

Respiratory System

NONE

Special Senses System

NONE

Urinary System

NONE

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

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Experiment Number: 05117-03
Test Type: INIT/PROMOT
Route: SKIN APPLICATION
Species/Strain: Mouse/SENCAR

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: 10/21/2014
Time Report Requested: 07:42:21
First Dose M/F: NA / NA
Lab: BAT

DAY ON TEST

SENCAR Mouse Male
DMBA 2.5/ 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

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

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Experiment Number: 05117-03
Test Type: INIT/PROMOT
Route: SKIN APPLICATION
Species/Strain: Mouse/SENCAR

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: 10/21/2014
Time Report Requested: 07:42:21
First Dose M/F: NA / NA
Lab: BAT

DAY ON TEST

SENCAR Mouse Male
DMBA 2.5/ TPA 5

ANIMAL ID

*TOTALS

Respiratory System

NONE

Special Senses System

NONE

Urinary System

NONE

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

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Experiment Number: 05117-03
Test Type: INIT/PROMOT
Route: SKIN APPLICATION
Species/Strain: Mouse/SENCAR

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: 10/21/2014
Time Report Requested: 07:42:21
First Dose M/F: NA / NA
Lab: BAT

DAY ON TEST

SENCAR Mouse Male
DMBA 25/ 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

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

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Experiment Number: 05117-03
Test Type: INIT/PROMOT
Route: SKIN APPLICATION
Species/Strain: Mouse/SENCAR

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: 10/21/2014
Time Report Requested: 07:42:21
First Dose M/F: NA / NA
Lab: BAT

DAY ON TEST

SENCAR Mouse Male
DMBA 25/ TPA 5

ANIMAL ID

*TOTALS

Respiratory System

NONE

Special Senses System

NONE

Urinary System

NONE

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

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Experiment Number: 05117-03
 Test Type: INIT/PROMOT
 Route: SKIN APPLICATION
 Species/Strain: Mouse/SENCAR

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: 10/21/2014
 Time Report Requested: 07:42:21
 First Dose M/F: NA / NA
 Lab: BAT

DAY ON TEST	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
SENCAR Mouse Male	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	2	3	3	3	3	3	3	3	3	0	3
DMBA 2.5/ BPO 20	4	6	6	6	6	6	6	6	6	0	4	5	6	6	6	1	6	6	9	6	6	6	6	6	6	6	6	6	6
	2	2	2	2	2	2	2	3	3	9	5	2	3	3	4	7	4	4	3	4	4	4	5	5	5	5	5	5	5
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	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
	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	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	2	2	3	4	5	6	9
Acanthosis		1							1					2		1	1	1	1	1					1	1		1	1
Inflammation, Chronic Active		1	1						1					2		1	1	2	1	1	1	1		1	1	1			
Skin, SOA-Mass	+	+	+	+		+				+	+	+	+	+				+	+			+	+	+	+	+	+	+	+
Skin, SOA-No Mass	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Acanthosis	1	1	1	3	2	1	2	1	1	4	1	2	2	1	1	2	2	2	2	2	2	2	3	1	4	3	1	2	1
Inflammation, Chronic Active	1	1	1	3	2	2	2	2	1	4	1	2	1	1	1	2	2	1	2	2	2	2	2	2	4	3		1	1
Ulcer				4																									
Ulcer, Multiple										4														4					
Musculoskeletal System																													
NONE																													
Nervous System																													
NONE																													
Respiratory System																													
NONE																													
Special Senses System																													
NONE																													
Urinary System																													
NONE																													

* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + ..Tissue examined microscopically
 X ..Lesion present
 I ..Insufficient tissue
 M ..Missing tissue
 A ..Autolysis precludes evaluation
 BLANK ..Not examined microscopically
 1-4 ..Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

Experiment Number: 05117-03
Test Type: INIT/PROMOT
Route: SKIN APPLICATION
Species/Strain: Mouse/SENCAR

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: 10/21/2014
Time Report Requested: 07:42:21
First Dose M/F: NA / NA
Lab: BAT

DAY ON TEST

SENCAR Mouse Male
DMBA 2.5/ 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	2	
Acanthosis	2	3.0
Inflammation, Chronic Active	2	3.5
Ulcer	1	4.0
Ulcer, Multiple	1	4.0
Skin, Control	17	
Acanthosis	12	1.1

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

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Experiment Number: 05117-03
Test Type: INIT/PROMOT
Route: SKIN APPLICATION
Species/Strain: Mouse/SENCAR

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: 10/21/2014
Time Report Requested: 07:42:21
First Dose M/F: NA / NA
Lab: BAT

DAY ON TEST

SENCAR Mouse Male
DMBA 2.5/ BPO 20

ANIMAL ID	*TOTALS	
Inflammation, Chronic Active	15	1.1
Skin, SOA-Mass	19	
Skin, SOA-No Mass	30	
Acanthosis	29	1.8
Inflammation, Chronic Active	29	1.8
Ulcer	1	4.0
Ulcer, Multiple	2	4.0

Musculoskeletal System

NONE

Nervous System

NONE

Respiratory System

NONE

Special Senses System

NONE

Urinary System

NONE

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

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Experiment Number: 05117-03
 Test Type: INIT/PROMOT
 Route: SKIN APPLICATION
 Species/Strain: Mouse/SENCAR

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: 10/21/2014
 Time Report Requested: 07:42:22
 First Dose M/F: NA / NA
 Lab: BAT

SENCAR Mouse Male DMBA 25/ 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	
ANIMAL ID	3	3	3	3	2	1	3	2	3	3	3	3	3	3	2	2	3	3	3	3	3	3	2	3	3	3	3	3	3	
	0	0	6	6	5	7	6	1	6	5	4	6	6	6	6	8	5	6	6	0	6	3	6	6	9	6	5	6	6	
	9	2	2	2	0	4	2	7	2	2	1	3	3	3	2	1	3	4	2	4	4	4	4	4	4	4	4	4	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	0	0	0	0	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	3	3	3	3	3	3	3	3	4	4	4	4	4	4	4	4	4	4	5	5	5	5	5	5	5	5	5	5	
	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	
Acanthosis		1									2	1					1	2	1		1			1					1	
Inflammation, Chronic Active		1		1	1	1			1	2	1		1			1		1		1	3		1		1	1	1	1	2	1
Skin, SOA-Mass	+					+			+	+		+	+	+	+		+	+	+	+		+	+	+	+		+	+		
Cyst Epithelial Inclusion												X																		
Skin, SOA-No Mass	+	+	+	+	+	+	+		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Acanthosis	3	3	1	1	3	4	2		2	3	2	1	3	2	1	3	3	2		2	1	2	4	1	3	1	1	2	1	1
Hair Follicle, Cyst							X																							
Inflammation, Chronic Active	3	4	1	1	4	4	2		2	4	2	1	4	1	1	3	4	1		2	1	2	4	1	4	1	1	2	1	1
Ulcer	4									4							4													
Ulcer, Multiple						4						4										4		4						
Musculoskeletal System																														
NONE																														
Nervous System																														
NONE																														
Respiratory System																														
NONE																														
Special Senses System																														
NONE																														
Urinary System																														
NONE																														

* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + ..Tissue examined microscopically
 X ..Lesion present
 I ..Insufficient tissue
 M ..Missing tissue
 A ..Autolysis precludes evaluation
 BLANK ..Not examined microscopically
 1-4 ..Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

Experiment Number: 05117-03
Test Type: INIT/PROMOT
Route: SKIN APPLICATION
Species/Strain: Mouse/SENCAR

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: 10/21/2014
Time Report Requested: 07:42:22
First Dose M/F: NA / NA
Lab: BAT

DAY ON TEST

SENCAR Mouse Male
DMBA 25/ 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	8	
Acanthosis	6	3.2
Inflammation, Chronic Active	7	3.9
Ulcer	4	4.0
Ulcer, Multiple	3	4.0
Skin, Control	20	
Acanthosis	12	1.2

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

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Experiment Number: 05117-03
Test Type: INIT/PROMOT
Route: SKIN APPLICATION
Species/Strain: Mouse/SENCAR

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: 10/21/2014
Time Report Requested: 07:42:22
First Dose M/F: NA / NA
Lab: BAT

DAY ON TEST

SENCAR Mouse Male
DMBA 25/ BPO 20

ANIMAL ID	*TOTALS	
Inflammation, Chronic Active	19	1.2
Skin, SOA-Mass	19	
Cyst Epithelial Inclusion	1	
Skin, SOA-No Mass	28	
Acanthosis	28	2.1
Hair Follicle, Cyst	1	
Inflammation, Chronic Active	28	2.2
Ulcer	3	4.0
Ulcer, Multiple	4	4.0

Musculoskeletal System

NONE

Nervous System

NONE

Respiratory System

NONE

Special Senses System

NONE

Urinary System

NONE

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

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Experiment Number: 05117-03
Test Type: INIT/PROMOT
Route: SKIN APPLICATION
Species/Strain: Mouse/SENCAR

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: 10/21/2014
Time Report Requested: 07:42:22
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

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

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Experiment Number: 05117-03
Test Type: INIT/PROMOT
Route: SKIN APPLICATION
Species/Strain: Mouse/SENCAR

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: 10/21/2014
Time Report Requested: 07:42:22
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

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

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Experiment Number: 05117-03
 Test Type: INIT/PROMOT
 Route: SKIN APPLICATION
 Species/Strain: Mouse/SENCAR

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: 10/21/2014
 Time Report Requested: 07:42:22
 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

Mammary Gland	1		
Skin	27		
Skin, SOA-No Mass	2		
Inflammation, Chronic Active	2	1.0	

Musculoskeletal System

NONE

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

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Experiment Number: 05117-03
Test Type: INIT/PROMOT
Route: SKIN APPLICATION
Species/Strain: Mouse/SENCAR

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: 10/21/2014
Time Report Requested: 07:42:22
First Dose M/F: NA / NA
Lab: BAT

DAY ON TEST

SENCAR Mouse Female
VEHICLE CONTROL

ANIMAL ID

*TOTALS

Nervous System

NONE

Respiratory System

NONE

Special Senses System

NONE

Urinary System

NONE

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

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Experiment Number: 05117-03
Test Type: INIT/PROMOT
Route: SKIN APPLICATION
Species/Strain: Mouse/SENCAR

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: 10/21/2014
Time Report Requested: 07:42:22
First Dose M/F: NA / NA
Lab: BAT

DAY ON TEST

SENCAR Mouse Female
DMBA0.25/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	27		
Skin, Control	2		
Inflammation, Chronic Active	2	1.0	
Skin, SOA-No Mass	2		
Acanthosis	2	1.0	
Inflammation, Chronic Active	2	1.0	

Musculoskeletal System

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

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Experiment Number: 05117-03
Test Type: INIT/PROMOT
Route: SKIN APPLICATION
Species/Strain: Mouse/SENCAR

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: 10/21/2014
Time Report Requested: 07:42:22
First Dose M/F: NA / NA
Lab: BAT

DAY ON TEST

SENCAR Mouse Female
DMBA0.25/ACETONE

ANIMAL ID

*TOTALS

NONE

Nervous System

NONE

Respiratory System

NONE

Special Senses System

NONE

Urinary System

NONE

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

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Experiment Number: 05117-03
 Test Type: INIT/PROMOT
 Route: SKIN APPLICATION
 Species/Strain: Mouse/SEN CAR

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: 10/21/2014
 Time Report Requested: 07:42:23
 First Dose M/F: NA / NA
 Lab: BAT

DAY ON TEST	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		
SEN CAR 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		
DMBA 2.5/ACETONE	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		
	5	2	2	2	2	2	2	2	2	3	3	3	3	3	3	3	4	0	4	4	4	4	5	5	5	5	5	5	5		
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
	0	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4		
	8	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		
	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
Inflammation, Chronic Active	1 4 1 1																														
Ulcer	4																														

Musculoskeletal System

NONE

Nervous System

NONE

Respiratory System

NONE

Special Senses System

NONE

Urinary System

NONE

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

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Experiment Number: 05117-03
Test Type: INIT/PROMOT
Route: SKIN APPLICATION
Species/Strain: Mouse/SENCAR

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: 10/21/2014
Time Report Requested: 07:42:23
First Dose M/F: NA / NA
Lab: BAT

DAY ON TEST

SENCAR Mouse Female
DMBA 2.5/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	25		
Skin, Control	2		
Acanthosis	1	1.0	
Inflammation, Chronic Active	2	1.0	
Skin, SOA-No Mass	5		
Acanthosis	3	1.7	
Inflammation, Chronic Active	5	1.6	

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

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Experiment Number: 05117-03
Test Type: INIT/PROMOT
Route: SKIN APPLICATION
Species/Strain: Mouse/SEN CAR

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: 10/21/2014
Time Report Requested: 07:42:23
First Dose M/F: NA / NA
Lab: BAT

DAY ON TEST

SEN CAR Mouse Female
DMBA 2.5/ACETONE

	ANIMAL ID	*TOTALS
Ulcer		1 4.0
Musculoskeletal System		
NONE		
Nervous System		
NONE		
Respiratory System		
NONE		
Special Senses System		
NONE		
Urinary System		
NONE		

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

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Experiment Number: 05117-03
 Test Type: INIT/PROMOT
 Route: SKIN APPLICATION
 Species/Strain: Mouse/SEN CAR

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: 10/21/2014
 Time Report Requested: 07:42:23
 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
SEN CAR 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
DMBA 25/ACETONE	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	5	6	6	6	6	6	6	6	6	6	6	6	6	6
ANIMAL ID	2	2	2	2	2	2	3	3	3	3	3	3	3	3	4	4	0	4	4	4	4	4	5	5	5	5	5	5	5
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
	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	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	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Skin, SOA-No Mass							+				+		+																+
Acanthosis							1																						1
Inflammation, Chronic Active																													2

Musculoskeletal System

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

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Experiment Number: 05117-03
 Test Type: INIT/PROMOT
 Route: SKIN APPLICATION
 Species/Strain: Mouse/SENCAR

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: 10/21/2014
 Time Report Requested: 07:42:23
 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
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
DMBA 25/ACETONE	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	5	6	6	6	6	6	6	6	6	6	6	6	6	6
ANIMAL ID	2	2	2	2	2	3	3	3	3	3	3	3	3	3	4	4	0	4	4	4	4	4	5	5	5	5	5	5	5
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
	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	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0

NONE
Nervous System
 NONE
Respiratory System
 NONE
Special Senses System
 NONE
Urinary System
 NONE

* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + ..Tissue examined microscopically
 X ..Lesion present
 I ..Insufficient tissue
 M ..Missing tissue
 A ..Autolysis precludes evaluation
 BLANK ..Not examined microscopically
 1-4 ..Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

Experiment Number: 05117-03
Test Type: INIT/PROMOT
Route: SKIN APPLICATION
Species/Strain: Mouse/SENCAR

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: 10/21/2014
Time Report Requested: 07:42:23
First Dose M/F: NA / NA
Lab: BAT

DAY ON TEST

SENCAR Mouse Female
DMBA 25/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	26		
Skin, SOA-No Mass	4		
Acanthosis	3	1.0	
Inflammation, Chronic Active	3	1.3	

Musculoskeletal System

NONE

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

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Experiment Number: 05117-03
Test Type: INIT/PROMOT
Route: SKIN APPLICATION
Species/Strain: Mouse/SENCAR

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: 10/21/2014
Time Report Requested: 07:42:23
First Dose M/F: NA / NA
Lab: BAT

DAY ON TEST

SENCAR Mouse Female
DMBA 25/ACETONE

ANIMAL ID

*TOTALS

Nervous System

NONE

Respiratory System

NONE

Special Senses System

NONE

Urinary System

NONE

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

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Experiment Number: 05117-03
 Test Type: INIT/PROMOT
 Route: SKIN APPLICATION
 Species/Strain: Mouse/SENCAR

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: 10/21/2014
 Time Report Requested: 07:42:23
 First Dose M/F: NA / NA
 Lab: BAT

DAY ON TEST	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	
SENCAR Mouse Female	3	3	3	3	2	3	2	3	3	3	2	2	2	3	2	2	3	3	3	3	2	3	2	3	3	2	3	3	3	
DMBA2.5/COMPLETE	1	6	1	6	6	4	5	6	6	6	5	9	9	6	8	5	5	6	6	4	5	6	3	5	6	9	4	5	5	
	6	2	0	2	6	1	0	2	2	3	1	8	8	3	6	0	2	3	4	1	0	4	5	2	5	9	0	7	9	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	5	5	5	5	5	5	5	5	5	
	8	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	
	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	
Acanthosis																					2	1	1	1			1	1	1	
Inflammation, Chronic Active						2														1	1		1					1		
Skin, SOA-Mass	+	+	+	+	+	+	+		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Skin, SOA-No Mass		+	+	+		+	+	+	+	+	+		+		+	+	+		+	+	+	+	+	+		+	+	+	+	
Acanthosis		1	3	3			1	4	1	2	2	1		2		2	1	1		3	3	1	3	1	4		2	2	2	3
Inflammation, Chronic Active		1	3	3		2	1	3	1	1	2	1		3			1			2	3	1	3	1	4		2	1	2	3
Ulcer																					4			4					4	
Ulcer, Multiple													4																	
Musculoskeletal System																														
NONE																														
Nervous System																														
NONE																														
Respiratory System																														
NONE																														
Special Senses System																														
NONE																														
Urinary System																														
NONE																														

* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + ..Tissue examined microscopically
 X ..Lesion present
 I ..Insufficient tissue
 M ..Missing tissue
 A ..Autolysis precludes evaluation
 BLANK ..Not examined microscopically
 1-4 ..Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

Experiment Number: 05117-03
Test Type: INIT/PROMOT
Route: SKIN APPLICATION
Species/Strain: Mouse/SENCAR

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: 10/21/2014
Time Report Requested: 07:42:23
First Dose M/F: NA / NA
Lab: BAT

DAY ON TEST

SENCAR Mouse Female
DMBA2.5/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

Skin	3		
Acanthosis	3	3.0	
Inflammation, Chronic Active	3	3.7	
Ulcer	2	4.0	
Ulcer, Multiple	1	4.0	
Skin, Control	8		
Acanthosis	7	1.1	

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

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Experiment Number: 05117-03
Test Type: INIT/PROMOT
Route: SKIN APPLICATION
Species/Strain: Mouse/SENCAR

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: 10/21/2014
Time Report Requested: 07:42:23
First Dose M/F: NA / NA
Lab: BAT

DAY ON TEST

SENCAR Mouse Female
DMBA2.5/COMPLETE

ANIMAL ID	<u>*TOTALS</u>	
Inflammation, Chronic Active	5	1.2
Skin, SOA-Mass	29	
Skin, SOA-No Mass	24	
Acanthosis	23	2.1
Inflammation, Chronic Active	22	2.0
Ulcer	3	4.0
Ulcer, Multiple	1	4.0

Musculoskeletal System

NONE

Nervous System

NONE

Respiratory System

NONE

Special Senses System

NONE

Urinary System

NONE

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

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Experiment Number: 05117-03
Test Type: INIT/PROMOT
Route: SKIN APPLICATION
Species/Strain: Mouse/SENCAR

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: 10/21/2014
Time Report Requested: 07:42:23
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

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

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Experiment Number: 05117-03
Test Type: INIT/PROMOT
Route: SKIN APPLICATION
Species/Strain: Mouse/SENCAR

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: 10/21/2014
Time Report Requested: 07:42:23
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

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

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Experiment Number: 05117-03
 Test Type: INIT/PROMOT
 Route: SKIN APPLICATION
 Species/Strain: Mouse/SENCAR

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: 10/21/2014
 Time Report Requested: 07:42:23
 First Dose M/F: NA / NA
 Lab: BAT

DAY ON TEST	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
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
BPO 20/ COMPLETE	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
	2	2	2	2	2	2	2	3	3	3	3	3	3	3	4	4	4	4	4	4	4	4	5	5	5	3	5	5
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	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
	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	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

Alimentary System

NONE

Cardiovascular System

NONE

Endocrine System

NONE

General Body System

NONE

Genital System

NONE

Hematopoietic System

NONE

Integumentary System

Mammary Gland

+

Skin

+

Acanthosis

3

Inflammation, Chronic Active

4

Ulcer, Multiple

4

Skin, Control

+ +

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

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Experiment Number: 05117-03
 Test Type: INIT/PROMOT
 Route: SKIN APPLICATION
 Species/Strain: Mouse/SENCAR

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: 10/21/2014
 Time Report Requested: 07:42:24
 First Dose M/F: NA / NA
 Lab: BAT

| DAY ON TEST | 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 | |
| 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 | | |
| BPO 20/ COMPLETE | 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 | | |
| | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| | 0 | 0 | 0 | 0 | 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 | | |
| | 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 | 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 | | |
| Acanthosis | | | | | | | | | | | | 2 | | | | | | 1 | | | | | | | | | | 1 | | |
| Inflammation, Chronic Active | | | 1 | 1 | | | | | 1 | 2 | 2 | | | | | | 1 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | |
| Ulcer | | | | | | | | | | | | | | | | | | | | | | | | | 4 | | | | | |
| Skin, SOA-No Mass | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | |
| Acanthosis | | | | | | | | 2 | 2 | 1 | 2 | 1 | 1 | 1 | | | | 1 | 1 | 1 | | | | | 2 | 1 | | 1 | 1 | 1 |
| Inflammation, Chronic Active | | 1 | 1 | 1 | 1 | 1 | 2 | 1 | 1 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | |

Musculoskeletal System

NONE

Nervous System

NONE

Respiratory System

NONE

Special Senses System

NONE

Urinary System

NONE

* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + ..Tissue examined microscopically
 X ..Lesion present
 I ..Insufficient tissue
 M ..Missing tissue
 A ..Autolysis precludes evaluation
 BLANK ..Not examined microscopically
 1-4 ..Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

Experiment Number: 05117-03
Test Type: INIT/PROMOT
Route: SKIN APPLICATION
Species/Strain: Mouse/SENCAR

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: 10/21/2014
Time Report Requested: 07:42:24
First Dose M/F: NA / NA
Lab: BAT

DAY ON TEST

SENCAR Mouse Female
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

| | | | |
|------------------------------|----|-----|--|
| Mammary Gland | 1 | | |
| Skin | 1 | | |
| Acanthosis | 1 | 3.0 | |
| Inflammation, Chronic Active | 1 | 4.0 | |
| Ulcer, Multiple | 1 | 4.0 | |
| Skin, Control | 21 | | |
| Acanthosis | 4 | 1.3 | |

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

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Experiment Number: 05117-03
Test Type: INIT/PROMOT
Route: SKIN APPLICATION
Species/Strain: Mouse/SENCAR

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: 10/21/2014
Time Report Requested: 07:42:24
First Dose M/F: NA / NA
Lab: BAT

DAY ON TEST

SENCAR Mouse Female
BPO 20/ COMPLETE

| | ANIMAL ID | <u>*TOTALS</u> | |
|------------------------------|-----------|----------------|-----|
| Inflammation, Chronic Active | | 21 | 1.2 |
| Ulcer | | 1 | 4.0 |
| Skin, SOA-No Mass | | 29 | |
| Acanthosis | | 16 | 1.3 |
| Inflammation, Chronic Active | | 28 | 1.1 |

Musculoskeletal System

NONE

Nervous System

NONE

Respiratory System

NONE

Special Senses System

NONE

Urinary System

NONE

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

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Experiment Number: 05117-03
Test Type: INIT/PROMOT
Route: SKIN APPLICATION
Species/Strain: Mouse/SENCAR

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: 10/21/2014
Time Report Requested: 07:42:24
First Dose M/F: NA / NA
Lab: BAT

DAY ON TEST

SENCAR Mouse Female
DMBA0.25/ 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

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

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Experiment Number: 05117-03
Test Type: INIT/PROMOT
Route: SKIN APPLICATION
Species/Strain: Mouse/SENCAR

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: 10/21/2014
Time Report Requested: 07:42:24
First Dose M/F: NA / NA
Lab: BAT

DAY ON TEST

SENCAR Mouse Female
DMBA0.25/ TPA 5

ANIMAL ID

*TOTALS

Respiratory System

NONE

Special Senses System

NONE

Urinary System

NONE

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

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Experiment Number: 05117-03
Test Type: INIT/PROMOT
Route: SKIN APPLICATION
Species/Strain: Mouse/SENCAR

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: 10/21/2014
Time Report Requested: 07:42:24
First Dose M/F: NA / NA
Lab: BAT

DAY ON TEST

SENCAR Mouse Female
DMBA 2.5/ 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

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

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Experiment Number: 05117-03
Test Type: INIT/PROMOT
Route: SKIN APPLICATION
Species/Strain: Mouse/SENCAR

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: 10/21/2014
Time Report Requested: 07:42:24
First Dose M/F: NA / NA
Lab: BAT

DAY ON TEST

SENCAR Mouse Female
DMBA 2.5/ TPA 5

ANIMAL ID

*TOTALS

Respiratory System

NONE

Special Senses System

NONE

Urinary System

NONE

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

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Experiment Number: 05117-03
Test Type: INIT/PROMOT
Route: SKIN APPLICATION
Species/Strain: Mouse/SENCAR

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: 10/21/2014
Time Report Requested: 07:42:24
First Dose M/F: NA / NA
Lab: BAT

DAY ON TEST

SENCAR Mouse Female
DMBA 25/ 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

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

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Experiment Number: 05117-03
Test Type: INIT/PROMOT
Route: SKIN APPLICATION
Species/Strain: Mouse/SENCAR

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: 10/21/2014
Time Report Requested: 07:42:24
First Dose M/F: NA / NA
Lab: BAT

DAY ON TEST

SENCAR Mouse Female
DMBA 25/ TPA 5

ANIMAL ID

*TOTALS

Respiratory System

NONE

Special Senses System

NONE

Urinary System

NONE

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

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Experiment Number: 05117-03
 Test Type: INIT/PROMOT
 Route: SKIN APPLICATION
 Species/Strain: Mouse/SEN CAR

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: 10/21/2014
 Time Report Requested: 07:42:24
 First Dose M/F: NA / NA
 Lab: BAT

| DAY ON TEST | 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 | |
| SEN CAR Mouse Female | 2 | 3 | 3 | 3 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 1 | 2 | 3 | 3 | 2 | 3 | 3 | 3 | 3 | |
| DMBA 2.5/ BPO 20 | 9 | 6 | 6 | 6 | 9 | 6 | 6 | 4 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 3 | 6 | 6 | 6 | 6 | 8 | 7 | 3 | 6 | 9 | 6 | 6 | 6 | 5 | |
| | 5 | 2 | 2 | 2 | 5 | 2 | 2 | 0 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 2 | 3 | 3 | 5 | 8 | 5 | 5 | 5 | 2 | 5 | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | 0 | 0 | 0 | 0 | 0 | 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 | 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 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | |
| | 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 | |
| Inflammation, Chronic Active | 2 | 1 | | | 1 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 1 | 1 | 1 | 1 | | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | |
| Skin, SOA-Mass | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | + | | + | | | + | + | | + | | + | + | + | | |
| Skin, SOA-No Mass | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Acanthosis | 2 | 1 | 1 | 2 | 2 | | 2 | | 2 | 2 | 1 | 1 | 1 | 2 | 1 | 2 | 1 | 2 | 3 | 1 | | 2 | 4 | 1 | 2 | | 1 | 4 | 2 | |
| Inflammation, Chronic Active | 2 | 1 | 2 | 2 | 2 | 1 | 4 | 1 | 2 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 1 | 4 | 1 | 1 | 3 | 4 | 2 | 3 | 1 | 2 | 4 | 1 | 1 |
| Ulcer | | | | | | | | | | | | | | | | | | 4 | | | | | 4 | | | | | | 4 | |
| Ulcer, Multiple | | | | | | | | 4 | | | | | | | | | | | | | | | | | | | | | | |
| Musculoskeletal System | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| NONE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Nervous System | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| NONE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Respiratory System | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| NONE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Special Senses System | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| NONE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Urinary System | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| NONE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + ..Tissue examined microscopically
 X ..Lesion present
 I ..Insufficient tissue
 M ..Missing tissue
 A ..Autolysis precludes evaluation
 BLANK ..Not examined microscopically
 1-4 ..Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

Experiment Number: 05117-03
Test Type: INIT/PROMOT
Route: SKIN APPLICATION
Species/Strain: Mouse/SENCAR

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: 10/21/2014
Time Report Requested: 07:42:24
First Dose M/F: NA / NA
Lab: BAT

DAY ON TEST

SENCAR Mouse Female
DMBA 2.5/ 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 | 2 | | |
| Acanthosis | 2 | 2.0 | |
| Inflammation, Chronic Active | 2 | 4.0 | |
| Ulcer | 2 | 4.0 | |
| Skin, Control | 27 | | |
| Acanthosis | 18 | 1.3 | |
| Inflammation, Chronic Active | 27 | 1.1 | |

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

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Experiment Number: 05117-03
Test Type: INIT/PROMOT
Route: SKIN APPLICATION
Species/Strain: Mouse/SENCAR

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: 10/21/2014
Time Report Requested: 07:42:24
First Dose M/F: NA / NA
Lab: BAT

DAY ON TEST

SENCAR Mouse Female
DMBA 2.5/ BPO 20

| ANIMAL ID | *TOTALS | |
|------------------------------|---------|-----|
| Skin, SOA-Mass | 22 | |
| Skin, SOA-No Mass | 30 | |
| Acanthosis | 25 | 1.8 |
| Inflammation, Chronic Active | 30 | 1.9 |
| Ulcer | 3 | 4.0 |
| Ulcer, Multiple | 1 | 4.0 |

Musculoskeletal System

NONE

Nervous System

NONE

Respiratory System

NONE

Special Senses System

NONE

Urinary System

NONE

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

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Experiment Number: 05117-03
 Test Type: INIT/PROMOT
 Route: SKIN APPLICATION
 Species/Strain: Mouse/SENCAR

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: 10/21/2014
 Time Report Requested: 07:42:24
 First Dose M/F: NA / NA
 Lab: BAT

| DAY ON TEST | 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 |
| SENCAR Mouse Female | 3 | 3 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 1 | 3 | 3 | 1 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| DMBA 25/ BPO 20 | 6 | 6 | 5 | 6 | 6 | 6 | 6 | 1 | 6 | 6 | 6 | 6 | 6 | 1 | 6 | 6 | 2 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| | 2 | 2 | 0 | 2 | 2 | 2 | 2 | 0 | 3 | 3 | 3 | 3 | 3 | 7 | 3 | 4 | 0 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 5 | 3 | 5 | 5 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 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 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 |
| Acanthosis | 1 | | 1 | | 1 | 1 | | | 1 | 1 | 1 | | 2 | 1 | 1 | 1 | | | 1 | | | 1 | 1 | | | 1 | | 1 | |
| Inflammation, Chronic Active | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | 1 | 1 | 1 | 1 | 2 | 1 | 1 | 1 | | | 1 | 1 | | | 1 | 1 | | 1 | 1 | 1 | |
| Skin, SOA-Mass | | + | + | | + | + | + | + | + | + | + | | + | | + | | + | + | | + | + | | + | + | | + | + | + | + |
| Skin, SOA-No Mass | + | + | + | + | + | + | + | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Acanthosis | 2 | 1 | 2 | 1 | 1 | 1 | 1 | | 1 | 1 | 1 | 1 | 2 | 1 | 2 | 1 | 2 | 2 | | 3 | 1 | 1 | 1 | 2 | | 2 | 1 | 1 | 1 |
| Inflammation, Chronic Active | 2 | 1 | 2 | 1 | 1 | 1 | 2 | | 1 | 1 | 1 | 1 | 2 | 1 | 4 | 2 | 1 | 1 | 1 | 4 | 1 | 1 | 1 | 2 | | 1 | 1 | 1 | |
| Ulcer | | | | | | | | | | | | | | | 4 | | | | | | | | | | | | | | |
| Ulcer, Multiple | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Musculoskeletal System | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| NONE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Nervous System | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| NONE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Respiratory System | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| NONE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Special Senses System | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| NONE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Urinary System | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| NONE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + ..Tissue examined microscopically
 X ..Lesion present
 I ..Insufficient tissue
 M ..Missing tissue
 A ..Autolysis precludes evaluation
 BLANK ..Not examined microscopically
 1-4 ..Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

Experiment Number: 05117-03
Test Type: INIT/PROMOT
Route: SKIN APPLICATION
Species/Strain: Mouse/SENCAR

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: 10/21/2014
Time Report Requested: 07:42:24
First Dose M/F: NA / NA
Lab: BAT

DAY ON TEST

SENCAR Mouse Female
DMBA 25/ 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 | 6 | | |
| Acanthosis | 3 | 1.7 | |
| Alopecia | 1 | | |
| Inflammation, Chronic Active | 3 | 4.0 | |
| Ulcer | 3 | 4.0 | |
| Skin, Control | 22 | | |
| Acanthosis | 15 | 1.1 | |

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

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Experiment Number: 05117-03
Test Type: INIT/PROMOT
Route: SKIN APPLICATION
Species/Strain: Mouse/SENCAR

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: 10/21/2014
Time Report Requested: 07:42:24
First Dose M/F: NA / NA
Lab: BAT

DAY ON TEST

SENCAR Mouse Female
DMBA 25/ BPO 20

| ANIMAL ID | <u>*TOTALS</u> | |
|------------------------------|----------------|-----|
| Inflammation, Chronic Active | 22 | 1.0 |
| Skin, SOA-Mass | 20 | |
| Skin, SOA-No Mass | 28 | |
| Acanthosis | 27 | 1.4 |
| Inflammation, Chronic Active | 27 | 1.4 |
| Ulcer | 1 | 4.0 |
| Ulcer, Multiple | 1 | 4.0 |

Musculoskeletal System

NONE

Nervous System

NONE

Respiratory System

NONE

Special Senses System

NONE

Urinary System

NONE

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

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Experiment Number: 05117-03
Test Type: INIT/PROMOT
Route: SKIN APPLICATION
Species/Strain: Mouse/SENCAR

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: 10/21/2014
Time Report Requested: 07:42:24
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

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

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Experiment Number: 05117-03
Test Type: INIT/PROMOT
Route: SKIN APPLICATION
Species/Strain: Mouse/SENCAR

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: 10/21/2014
Time Report Requested: 07:42:24
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 ****

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

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked