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

Both

04/29/1994

**Experiment Number:** 05117-06

**Study Gender:** 

**PWG Approval Date** 

Date Report Requested: 10/18/2014 Time Report Requested: 19:49:58

First Dose M/F: NA / NA

Lab: BAT

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

CAS Number: INIT/PROM

Test Type: INIT/PROMOT

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

**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: 19:49:58

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
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
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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

**Musculoskeletal System** 

NONE

**Nervous System** 

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

+ .. Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

Species/Strain: Mouse/SENCAR

Test Type: INIT/PROMOT

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

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

Route: SKIN APPLICATION

Time Report Requested: 19:49:58

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
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
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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 l	7	8	9	0

NONE

**Respiratory System** 

NONE

**Special Senses System** 

NONE

**Urinary System** 

NONE

**SYSTEMIC LESIONS** 

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A .. Autolysis precludes evaluation

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with tumor

<sup>+ ..</sup> Tissue examined microscopically

Species/Strain: Mouse/SENCAR

**Route: SKIN APPLICATION** 

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

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

CAS Number: INIT/PROM

Date Report Requested: 10/18/2014 Time Report Requested: 19:49:58

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

**Musculoskeletal System** 

NONE

**Nervous System** 

NONE

I ..Insufficient tissue

M ..Missing tissue

A .. Autolysis precludes evaluation

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with tumor

<sup>+ ..</sup> Tissue examined microscopically

X .. Lesion present

Experiment Number: 05117-06
Test Type: INIT/PROMOT
Route: SKIN APPLICATION

Species/Strain: Mouse/SENCAR

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

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

CAS Number: INIT/PROM

Date Report Requested: 10/18/2014 Time Report Requested: 19:49:58

First Dose M/F: NA / NA

Lab: BAT

DAY ON TEST

**SENCAR Mouse Male VEHICLE CONTROL** 

ANIMAL ID

\*TOTALS

**Respiratory System** 

NONE

**Special Senses System** 

NONE

**Urinary System** 

NONE

**SYSTEMIC LESIONS** 

Multiple Organ 30

I .. Insufficient tissue

M ..Missing tissue

A .. Autolysis precludes evaluation

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with tumor

<sup>+ ..</sup> Tissue examined microscopically

X ..Lesion present

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

**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: 19:49:58

First Dose M/F: NA / NA

Lab: BAT

SENCAR Mouse Male MNNG 100/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
	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	2	3
,	6	6	6	6	6	6	6	6	2	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	8	6
	2	2	2	2	2	2	2	2	7	2	3	3	3	3	3	3	3	3	3	4	4	4	4	4	4	4	4	4	8	4
V V II V V V 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
	0	0	0	0	0	0	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	4	4	4	4	4	4	4	4	4	4	5	5	5	5	5	5	5	5	5	5	6
	1	2	3	4	5	6	7	8	9	0	1 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-Mass + + + X
Squamous Cell Papilloma X

Squamous Cell Papilloma X
Skin, SOA-No Mass + + + +

Musculoskeletal System

X ..Lesion present

I .. Insufficient tissue

M ..Missing tissue

A .. Autolysis precludes evaluation

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with tumor

<sup>+ ..</sup> Tissue examined microscopically

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

**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: 19:49:58

First Dose M/F: NA / NA

Lab: BAT

SENCAR Mouse Male MNNG 100/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
	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	2	3
	6	6	6	6	6	6	6	6	2	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	8	6
	2	2	2	2	2	2	2	2	7	2	3	3	3	3	3	3	3	3	3	4	4	4	4	4	4	4	4	4	8	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
ANIIVIAL 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
	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	6
	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

NONE

**Nervous System** 

NONE

**Respiratory System** 

NONE

**Special Senses System** 

NONE

**Urinary System** 

NONE

SYSTEMIC LESIONS

Multiple Organ

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A .. Autolysis precludes evaluation

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with tumor

<sup>+ ..</sup> Tissue examined microscopically

Species/Strain: Mouse/SENCAR

**Route: SKIN APPLICATION** 

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

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

CAS Number: INIT/PROM

Date Report Requested: 10/18/2014 Time Report Requested: 19:49:58

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
Squamous Cell Papilloma	1
Skin, SOA-No Mass	6

**Musculoskeletal System** 

NONE

M .. Missing tissue

A .. Autolysis precludes evaluation

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with tumor

<sup>+ ..</sup> Tissue examined microscopically

X .. Lesion present

I ..Insufficient tissue

Experiment Number: 05117-06
Test Type: INIT/PROMOT
Route: SKIN APPLICATION

Species/Strain: Mouse/SENCAR

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

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

CAS Number: INIT/PROM

Date Report Requested: 10/18/2014 Time Report Requested: 19:49:58

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

**SYSTEMIC LESIONS** 

Multiple Organ 30

I .. Insufficient tissue

M ..Missing tissue

A .. Autolysis precludes evaluation

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with tumor

<sup>+ ..</sup> Tissue examined microscopically

X ..Lesion present

Species/Strain: Mouse/SENCAR

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

**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: 19:49:58

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 VIII V V 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
	0	0	0	0	0	0	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	l 8 l	9	0	1	2	3	4	5	6	7	8	9	n	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		+ +	+	+	+		+	+ +	+	+ +
Subcut Tiss, Sarcoma					Χ					
Skin, Control					+		+	+	+	
Skin, SOA-Mass	+ + +	+ +	+	+		+ +		+	+ +	+
Basal Cell Adenoma	X					Χ				
Squamous Cell Carcinoma	X X	Χ						Χ		X

X .. Lesion present

I .. Insufficient tissue

A .. Autolysis precludes evaluation

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with tumor

<sup>+ ..</sup> Tissue examined microscopically

M ..Missing tissue

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED) Date Report Requested: 10/18/2014 **Experiment Number: 05117-06** Test Type: INIT/PROMOT **Test Compound:** Init/prom comparative mouse study (DMBA/TPA/BPO/MNNG) Time Report Requested: 19:49:58 **Route: SKIN APPLICATION CAS Number: INIT/PROM** First Dose M/F: NA / NA Species/Strain: Mouse/SENCAR Lab: BAT DAY ON TEST 2 2 2 **SENCAR Mouse Male MNNG 500/ACETONE** ANIMAL ID Õ Õ Õ Õ Õ 7 5 5 8 9 2 5 7 Squamous Cell Carcinoma, Multiple Χ Χ Squamous Cell Papilloma Squamous Cell Papilloma, Multiple Χ Χ Χ Χ Χ Subcut Tiss, Sarcoma Subcut Tiss, Sarcoma, Multiple Χ Skin, SOA-No Mass Squamous Cell Carcinoma Χ **Musculoskeletal System** NONE **Nervous System** NONE

Respiratory System

NONE

**Special Senses System** 

NONE

**Urinary System** 

NONE

SYSTEMIC LESIONS

Multiple Organ

X .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with tumor

<sup>+ ..</sup> Tissue examined microscopically

Species/Strain: Mouse/SENCAR

**Route: SKIN APPLICATION** 

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

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

CAS Number: INIT/PROM

**Date Report Requested:** 10/18/2014 **Time Report Requested:** 19:49:59

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
Subcut Tiss, Sarcoma	1
Skin, Control	4
Skin, SOA-Mass	12
Basal Cell Adenoma	2
Squamous Cell Carcinoma	5
Squamous Cell Carcinoma, Multiple	1

X .. Lesion present

I ..Insufficient tissue

M ..Missing tissue

A .. Autolysis precludes evaluation

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with tumor

<sup>+ ..</sup> Tissue examined microscopically

# Experiment Number: 05117-06 Test Type: INIT/PROMOT Route: SKIN APPLICATION

Species/Strain: Mouse/SENCAR

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

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

CAS Number: INIT/PROM

**Date Report Requested:** 10/18/2014 **Time Report Requested:** 19:49:59

First Dose M/F: NA / NA

Lab: BAT

DAY ON TEST

## **SENCAR Mouse Male MNNG 500/ACETONE**

#### ANIMAL ID

	*TOTALS
Squamous Cell Papilloma	1
Squamous Cell Papilloma, Multiple	1
Subcut Tiss, Sarcoma	4
Subcut Tiss, Sarcoma, Multiple	1
Skin, SOA-No Mass	19
Squamous Cell Carcinoma	1

#### Musculoskeletal System

NONE

**Nervous System** 

NONE

**Respiratory System** 

NONE

**Special Senses System** 

NONE

**Urinary System** 

NONE

**SYSTEMIC LESIONS** 

Multiple Organ 30

X ..Lesion present

I .. Insufficient tissue

M ..Missing tissue

A .. Autolysis precludes evaluation

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with tumor

<sup>+ ..</sup> Tissue examined microscopically

Species/Strain: Mouse/SENCAR

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

**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: 19:49:59

First Dose M/F: NA / NA

Lab: BAT

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
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
	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 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** 

X .. Lesion present

I .. Insufficient tissue

A .. Autolysis precludes evaluation

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with tumor

<sup>+ ..</sup> Tissue examined microscopically

M ..Missing tissue

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED) Date Report Requested: 10/18/2014 **Experiment Number:** 05117-06 Test Type: INIT/PROMOT **Test Compound:** Init/prom comparative mouse study (DMBA/TPA/BPO/MNNG) Time Report Requested: 19:49:59 **Route: SKIN APPLICATION CAS Number: INIT/PROM** First Dose M/F: NA / NA Species/Strain: Mouse/SENCAR Lab: BAT DAY ON TEST 5 **6 SENCAR Mouse Male** 5 *7* 2 *7* **MNNG1000/ACETONE** ANIMAL ID Õ Õ Õ Õ Õ Õ 5 5 6 Ó Squamous Cell Carcinoma, Multiple Χ Χ Χ X X Х Χ Χ Squamous Cell Papilloma Squamous Cell Papilloma, Multiple Χ Χ Χ Χ Χ Subcut Tiss, Sarcoma Subcut Tiss, Squamous Cell Carcinoma Χ Skin, SOA-No Mass **Musculoskeletal System** NONE **Nervous System** NONE **Respiratory System** NONE

SYSTEMIC LESIONS

Multiple Organ

**Special Senses System** 

NONE
Urinary System

NONE

\* ..Total animals with tissue examined microscopically; Total animals with tumor

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

Species/Strain: Mouse/SENCAR

**Route: SKIN APPLICATION** 

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

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

CAS Number: INIT/PROM

Date Report Requested: 10/18/2014 Time Report Requested: 19:49:59

First Dose M/F: NA / NA

Lab: BAT

DAY ON TEST

## SENCAR Mouse Male 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	19
Squamous Cell Carcinoma, Multiple	1
Subcut Tiss, Sarcoma	1
Skin, Control	5
Skin, SOA-Mass	18
Squamous Cell Carcinoma	6
Squamous Cell Carcinoma, Multiple	2

I ..Insufficient tissue

M ..Missing tissue

A .. Autolysis precludes evaluation

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with tumor

<sup>+ ..</sup> Tissue examined microscopically

X .. Lesion present

Species/Strain: Mouse/SENCAR

**Route: SKIN APPLICATION** 

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

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

CAS Number: INIT/PROM

Date Report Requested: 10/18/2014 Time Report Requested: 19:49:59

First Dose M/F: NA / NA

Lab: BAT

DAY ON TEST

## SENCAR Mouse Male MNNG1000/ACETONE

#### ANIMAL ID

	*TOTALS
Squamous Cell Papilloma	6
Squamous Cell Papilloma, Multiple	2
Subcut Tiss, Sarcoma	3
Subcut Tiss, Squamous Cell Carcinoma	1
Skin, SOA-No Mass	19

#### Musculoskeletal System

NONE

**Nervous System** 

NONE

**Respiratory System** 

NONE

**Special Senses System** 

NONE

**Urinary System** 

NONE

**SYSTEMIC LESIONS** 

Multiple Organ 30

X ..Lesion present

I .. Insufficient tissue

M ..Missing tissue

A .. Autolysis precludes evaluation

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with tumor

<sup>+ ..</sup> Tissue examined microscopically

Species/Strain: Mouse/SENCAR

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Test Type: INIT/PROMOT

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

**Route: SKIN APPLICATION** 

CAS Number: INIT/PROM

Date Report Requested: 10/18/2014
Time Report Requested: 19:49:59

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
	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
E	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
	0	0	0	0	0	0	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	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	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
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X ..Lesion present

A .. Autolysis precludes evaluation

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with tumor

<sup>+ ..</sup> Tissue examined microscopically

I .. Insufficient tissue

M .. Missing tissue

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED) Date Report Requested: 10/18/2014 **Experiment Number:** 05117-06 Time Report Requested: 19:49:59 Test Type: INIT/PROMOT **Test Compound:** Init/prom comparative mouse study (DMBA/TPA/BPO/MNNG) **Route: SKIN APPLICATION CAS Number: INIT/PROM** First Dose M/F: NA / NA Species/Strain: Mouse/SENCAR Lab: BAT DAY ON TEST 6 5 9 7 5 2 4 5 **SENCAR Mouse Male** 7 MNNG100/COMPLETE ANIMAL ID Õ Õ Õ Õ Õ Õ 5 5 7 2 2 7 8 9 5 5 9 Ö Squamous Cell Papilloma X X Χ Χ Χ Χ Χ Squamous Cell Papilloma, Multiple Subcut Tiss, Sarcoma Skin, SOA-No Mass Χ Χ Subcut Tiss, Sarcoma **Musculoskeletal System** NONE **Nervous System** 

NONE **Respiratory System** 

NONE

**Special Senses System** 

NONE

**Urinary System** 

NONE

SYSTEMIC LESIONS

Multiple Organ

X .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with tumor

<sup>+ ..</sup> Tissue examined microscopically

Species/Strain: Mouse/SENCAR

**Route: SKIN APPLICATION** 

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

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

CAS Number: INIT/PROM

Date Report Requested: 10/18/2014 Time Report Requested: 19:49:59

First Dose M/F: NA / NA

Lab: BAT

DAY ON TEST

## SENCAR Mouse Male MNNG100/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	5
Skin, Control	22
Skin, SOA-Mass	28
Basal Cell Adenoma	1
Squamous Cell Carcinoma	19
Squamous Cell Carcinoma, Multiple	8
Squamous Cell Papilloma	5

I .. Insufficient tissue

M ..Missing tissue

A .. Autolysis precludes evaluation

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with tumor

<sup>+ ..</sup> Tissue examined microscopically

X .. Lesion present

Species/Strain: Mouse/SENCAR

**Route: SKIN APPLICATION** 

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

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

CAS Number: INIT/PROM

Date Report Requested: 10/18/2014 Time Report Requested: 19:49:59

First Dose M/F: NA / NA

Lab: BAT

DAY ON TEST

## **SENCAR Mouse Male MNNG100/COMPLETE**

ANIMAL ID

*TOTALS
2
1
30
2

#### **Musculoskeletal System**

NONE

**Nervous System** 

NONE

**Respiratory System** 

NONE

**Special Senses System** 

NONE

**Urinary System** 

NONE

**SYSTEMIC LESIONS** 

Multiple Organ 30

X ..Lesion present

I .. Insufficient tissue

M ..Missing tissue

A .. Autolysis precludes evaluation

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

<sup>+ ..</sup>Tissue examined microscopically

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

**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: 19:49:59

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	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
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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** 

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Squamous Cell Papilloma X

X ..Lesion present

I .. Insufficient tissue

A .. Autolysis precludes evaluation

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with tumor

<sup>+ ..</sup> Tissue examined microscopically

M ..Missing tissue

Species/Strain: Mouse/SENCAR

Test Type: INIT/PROMOT

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

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

Route: SKIN APPLICATION

Time Report Requested: 19:49:59

First Dose M/F: NA / NA

Date Report Requested: 10/18/2014

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	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
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
	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

Musculoskeletal System

NONE

**Nervous System** 

NONE

**Respiratory System** 

NONE

**Special Senses System** 

NONE

**Urinary System** 

NONE

SYSTEMIC LESIONS

Multiple Organ

\* ..Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A .. Autolysis precludes evaluation

Species/Strain: Mouse/SENCAR

**Route: SKIN APPLICATION** 

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

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

CAS Number: INIT/PROM

**Date Report Requested:** 10/18/2014 **Time Report Requested:** 19:49:59

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
Skin, Control	15
Skin, SOA-Mass	1
Squamous Cell Papilloma	1
Skin, SOA-No Mass	27

#### **Musculoskeletal System**

NONE

M .. Missing tissue

A .. Autolysis precludes evaluation

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with tumor

<sup>+ ..</sup> Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

Experiment Number: 05117-06
Test Type: INIT/PROMOT
Route: SKIN APPLICATION

Species/Strain: Mouse/SENCAR

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

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

CAS Number: INIT/PROM

Date Report Requested: 10/18/2014
Time Report Requested: 19:50:00

First Dose M/F: NA / NA

Lab: BAT

DAY ON TEST

SENCAR Mouse Male BPO 20 COMPLETE

ANIMAL ID

\*TOTALS

**Nervous System** 

NONE

**Respiratory System** 

NONE

**Special Senses System** 

NONE

**Urinary System** 

NONE

**SYSTEMIC LESIONS** 

Multiple Organ 30

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A .. Autolysis precludes evaluation

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with tumor

<sup>+ ..</sup> Tissue examined microscopically

Species/Strain: Mouse/SENCAR

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

**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: 19:50:00

Date Report Requested: 10/18/2014

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 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
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	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 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	+	+	+		+	+	+ +	+ +	+	+	+ +		+ +		+	
Skin, SOA-Mass		+	+	+		+		+		+	+	+	+	+	4	+ +
Keratoacanthoma		X				Χ										
Squamous Cell Carcinoma				X												
Squamous Cell Carcinoma, Multiple													X			
Squamous Cell Papilloma		X	Х					Χ		Χ	Χ				>	X

X ..Lesion present

I .. Insufficient tissue

A .. Autolysis precludes evaluation

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with tumor

<sup>+ ..</sup> Tissue examined microscopically

M ..Missing tissue

Test Type: INIT/PROMOT

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

**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: 19:50:00

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 VIII V V 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

Squamous Cell Papilloma, Multiple

Skin, SOA-No Mass

**Musculoskeletal System** 

NONE

**Nervous System** 

NONE

**Respiratory System** 

NONE

**Special Senses System** 

NONE

**Urinary System** 

NONE

**SYSTEMIC LESIONS** 

X ..Lesion present

I .. Insufficient tissue

M ..Missing tissue

A .. Autolysis precludes evaluation

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with tumor

<sup>+ ..</sup> Tissue examined microscopically

Species/Strain: Mouse/SENCAR

Test Type: INIT/PROMOT

**Route: SKIN APPLICATION** 

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

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

CAS Number: INIT/PROM

Date Report Requested: 10/18/2014 Time Report Requested: 19:50:00

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
Skin, SOA-Mass	12
Keratoacanthoma	2
Squamous Cell Carcinoma	1
Squamous Cell Carcinoma, Multiple	1
Squamous Cell Papilloma	6
Squamous Cell Papilloma, Multiple	2

I .. Insufficient tissue

M ..Missing tissue

A .. Autolysis precludes evaluation

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with tumor

<sup>+ ..</sup> Tissue examined microscopically

X .. Lesion present

Experiment Number: 05117-06
Test Type: INIT/PROMOT
Route: SKIN APPLICATION

Species/Strain: Mouse/SENCAR

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

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

CAS Number: INIT/PROM

Date Report Requested: 10/18/2014 Time Report Requested: 19:50:00

First Dose M/F: NA / NA

Lab: BAT

DAY ON TEST

### SENCAR Mouse Male MNNG 100/BPO 20

ANIMAL ID

\*TOTALS

29

Skin, SOA-No Mass **Musculoskeletal System** 

NONE

**Nervous System** 

NONE

**Respiratory System** 

NONE

**Special Senses System** 

NONE

**Urinary System** 

NONE

**SYSTEMIC LESIONS** 

Multiple Organ 30

I ..Insufficient tissue

M ..Missing tissue

A .. Autolysis precludes evaluation

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with tumor

<sup>+ ..</sup> Tissue examined microscopically

X .. Lesion present

Species/Strain: Mouse/SENCAR

Test Type: INIT/PROMOT

**Route: SKIN APPLICATION** 

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

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

CAS Number: INIT/PROM

Date Report Requested: 10/18/2014
Time Report Requested: 19:50:00

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 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
	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 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, Control Skin, SOA-Mass Keratoacanthoma Χ Χ Χ Sebaceous GI, Adenoma Squamous Cell Carcinoma Χ Х Χ X X Χ X X Χ

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with tumor

<sup>+ ..</sup> Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

Experiment Number: 05117-06
Test Type: INIT/PROMOT
Route: SKIN APPLICATION
Species/Strain: Mouse/SENCAR

#### P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

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

CAS Number: INIT/PROM

Date Report Requested: 10/18/2014
Time Report Requested: 19:50:00

First Dose M/F: NA / NA

Lab: BAT

<b>SENCAR Mouse Male</b>
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
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
	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

Squamous Cell Carcinoma, Multiple								•										Χ											
Squamous Cell Papilloma				Χ																		Χ			Χ				
Squamous Cell Papilloma, Multiple		Χ																	Χ		Χ							Χ	
Subcut Tiss, Fibroma																				Χ									
Subcut Tiss, Sarcoma	Χ	Χ		Χ										Χ														Χ	
Skin, SOA-No Mass	+	+	+	+	+	+	+	+	 +	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

#### **Musculoskeletal System**

NONE

**Nervous System** 

NONE

**Respiratory System** 

NONE

**Special Senses System** 

NONE

**Urinary System** 

NONE

SYSTEMIC LESIONS

I .. Insufficient tissue

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with tumor

<sup>+ ..</sup> Tissue examined microscopically

X ..Lesion present

M ..Missing tissue

A .. Autolysis precludes evaluation

Species/Strain: Mouse/SENCAR

Test Type: INIT/PROMOT

**Route: SKIN APPLICATION** 

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

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

CAS Number: INIT/PROM

Date Report Requested: 10/18/2014 Time Report Requested: 19:50:00

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
Skin, Control	14
Skin, SOA-Mass	21
Keratoacanthoma	3
Sebaceous GI, Adenoma	1
Squamous Cell Carcinoma	9
Squamous Cell Carcinoma, Multiple	1

M ..Missing tissue

A .. Autolysis precludes evaluation

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with tumor

<sup>+ ..</sup> Tissue examined microscopically

X .. Lesion present

I ..Insufficient tissue

Species/Strain: Mouse/SENCAR

**Route: SKIN APPLICATION** 

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

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

CAS Number: INIT/PROM

Date Report Requested: 10/18/2014 Time Report Requested: 19:50:00

First Dose M/F: NA / NA

Lab: BAT

#### DAY ON TEST

## SENCAR Mouse Male MNNG 500/BPO 20

#### ANIMAL ID

	*TOTALS
Squamous Cell Papilloma	3
Squamous Cell Papilloma, Multiple	4
Subcut Tiss, Fibroma	1
Subcut Tiss, Sarcoma	5
Skin, SOA-No Mass	29

#### Musculoskeletal System

NONE

**Nervous System** 

NONE

**Respiratory System** 

NONE

**Special Senses System** 

NONE

**Urinary System** 

NONE

**SYSTEMIC LESIONS** 

Multiple Organ 30

X ..Lesion present

I .. Insufficient tissue

M ..Missing tissue

A .. Autolysis precludes evaluation

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

<sup>+ ..</sup> Tissue examined microscopically

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

**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: 19:50:00 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 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	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	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
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X .. Lesion present

I .. Insufficient tissue

A .. Autolysis precludes evaluation

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with tumor

<sup>+ ..</sup> Tissue examined microscopically

M .. Missing tissue

Species/Strain: Mouse/SENCAR

**Route: SKIN APPLICATION** 

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

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

CAS Number: INIT/PROM

Date Report Requested: 10/18/2014
Time Report Requested: 19:50:00

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
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
ANIIVIAL 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	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

Squamous Cell Carcinoma, Multiple	Х											Χ									Χ								
Squamous Cell Papilloma		>	<				Χ		Χ	Χ					Χ														Χ
Subcut Tiss, Sarcoma		Χ		Χ										X									X					Χ	
Trichoepithelioma																												Χ	
Skin, SOA-No Mass	+	4	+ +	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+	+	+	+	+	+

**Musculoskeletal System** 

NONE

**Nervous System** 

NONE

**Respiratory System** 

NONE

**Special Senses System** 

NONE

**Urinary System** 

NONE

**SYSTEMIC LESIONS** 

X ..Lesion present

I .. Insufficient tissue

A .. Autolysis precludes evaluation

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with tumor

<sup>+ ..</sup> Tissue examined microscopically

M ..Missing tissue

Species/Strain: Mouse/SENCAR

**Route: SKIN APPLICATION** 

#### P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

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

CAS Number: INIT/PROM

Date Report Requested: 10/18/2014 Time Report Requested: 19:50:00

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
Squamous Cell Carcinoma	1
Skin, Control	21
Skin, SOA-Mass	27
Basal Cell Adenoma	1
Squamous Cell Carcinoma	15
Squamous Cell Carcinoma, Multiple	3

X .. Lesion present

I .. Insufficient tissue

M ..Missing tissue

A .. Autolysis precludes evaluation

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with tumor

<sup>+ ..</sup> Tissue examined microscopically

Species/Strain: Mouse/SENCAR

**Route: SKIN APPLICATION** 

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

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

CAS Number: INIT/PROM

Date Report Requested: 10/18/2014 Time Report Requested: 19:50:00

First Dose M/F: NA / NA

Lab: BAT

DAY ON TEST

## SENCAR Mouse Male MNNG1000/BPO 20

#### ANIMAL ID

	*TOTALS
Squamous Cell Papilloma	6
Subcut Tiss, Sarcoma	5
Trichoepithelioma	1
Skin, SOA-No Mass	28

**Musculoskeletal System** 

NONE

**Nervous System** 

NONE

**Respiratory System** 

NONE

**Special Senses System** 

NONE

**Urinary System** 

NONE

**SYSTEMIC LESIONS** 

Multiple Organ 30

I .. Insufficient tissue

M ..Missing tissue

A .. Autolysis precludes evaluation

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

<sup>+ ..</sup> Tissue examined microscopically

X ..Lesion present

Species/Strain: Mouse/SENCAR

**Route: SKIN APPLICATION** 

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

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

CAS Number: INIT/PROM

Date Report Requested: 10/18/2014 Time Report Requested: 19:50:00

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

X .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with tumor

<sup>+ ..</sup> Tissue examined microscopically

Experiment Number: 05117-06
Test Type: INIT/PROMOT
Route: SKIN APPLICATION

Species/Strain: Mouse/SENCAR

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

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

CAS Number: INIT/PROM

Date Report Requested: 10/18/2014
Time Report Requested: 19:50:00

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

**SYSTEMIC LESIONS** 

Multiple Organ 0

I .. Insufficient tissue

M ..Missing tissue

A .. Autolysis precludes evaluation

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with tumor

<sup>+ ..</sup> Tissue examined microscopically

X .. Lesion present

Species/Strain: Mouse/SENCAR

**Route: SKIN APPLICATION** 

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

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

CAS Number: INIT/PROM

Date Report Requested: 10/18/2014 Time Report Requested: 19:50:00

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

X .. Lesion present

I ..Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with tumor

<sup>+ ..</sup> Tissue examined microscopically

Species/Strain: Mouse/SENCAR

**Route: SKIN APPLICATION** 

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

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

CAS Number: INIT/PROM

Date Report Requested: 10/18/2014 Time Report Requested: 19:50:00

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

**SYSTEMIC LESIONS** 

Multiple Organ 0

I .. Insufficient tissue

M ..Missing tissue

A .. Autolysis precludes evaluation

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with tumor

<sup>+ ..</sup> Tissue examined microscopically

X .. Lesion present

Species/Strain: Mouse/SENCAR

**Route: SKIN APPLICATION** 

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

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

CAS Number: INIT/PROM

Date Report Requested: 10/18/2014 Time Report Requested: 19:50:00

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

X .. Lesion present

I .. Insufficient tissue

M ..Missing tissue

A .. Autolysis precludes evaluation

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with tumor

<sup>+ ..</sup> Tissue examined microscopically

Experiment Number: 05117-06
Test Type: INIT/PROMOT
Route: SKIN APPLICATION

Species/Strain: Mouse/SENCAR

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

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

CAS Number: INIT/PROM

Date Report Requested: 10/18/2014 Time Report Requested: 19:50:01

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

**SYSTEMIC LESIONS** 

Multiple Organ 0

\*\*\*END OF MALE DATA\*\*\*

X .. Lesion present

I .. Insufficient tissue

M ..Missing tissue

A .. Autolysis precludes evaluation

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with tumor

<sup>+ ..</sup> Tissue examined microscopically

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

**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: 19:50:01

First Dose M/F: NA / NA

Lab: BAT

**SENCAR Mouse Female VEHICLE CONTROL** 

ANIMAL ID

DAY ON TEST **2** Õ Õ Õ Õ 3 7 3 6 2 3 6 5 3 7 6 3 8 2 6 8 6 9 7 5 3 8 9 6 1 6 6 7 7 7 2 7 7 7 7 8 8 5 8 6 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

X .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

<sup>\* ..</sup> Total animals with tissue examined microscopically; Total animals with tumor

Species/Strain: Mouse/SENCAR

Test Type: INIT/PROMOT

**Route: SKIN APPLICATION** 

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

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

CAS Number: INIT/PROM

Date Report Requested: 10/18/2014
Time Report Requested: 19:50:01

First Dose M/F: NA / NA

Lab: BAT

SENCAR Mouse Female VEHICLE CONTROL

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

**Respiratory System** 

NONE

**Special Senses System** 

NONE

**Urinary System** 

NONE

SYSTEMIC LESIONS

X .. Lesion present

I ..Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with tumor

<sup>+ ..</sup> Tissue examined microscopically

Experiment Number: 05117-06
Test Type: INIT/PROMOT
Route: SKIN APPLICATION

Species/Strain: Mouse/SENCAR

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

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

CAS Number: INIT/PROM

Date Report Requested: 10/18/2014 Time Report Requested: 19:50:01

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

X .. Lesion present

I .. Insufficient tissue

M ..Missing tissue

A .. Autolysis precludes evaluation

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with tumor

<sup>+ ..</sup> Tissue examined microscopically

Experiment Number: 05117-06
Test Type: INIT/PROMOT
Route: SKIN APPLICATION

Species/Strain: Mouse/SENCAR

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

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

CAS Number: INIT/PROM

Date Report Requested: 10/18/2014 Time Report Requested: 19:50:01

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

**SYSTEMIC LESIONS** 

Multiple Organ 30

I ..Insufficient tissue

M ..Missing tissue

A .. Autolysis precludes evaluation

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with tumor

<sup>+ ..</sup> Tissue examined microscopically

X ..Lesion present

Species/Strain: Mouse/SENCAR

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

**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: 19:50:01

Date Report Requested: 10/18/2014

First Dose M/F: NA / NA

Lab: BAT

**SENCAR Mouse Female MNNG 100/ACETONE** 

DΑ	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
ale		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
aio		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
		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
	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
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		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	R	9	0	1	2	3	4	5	6	7	R	9	l n	1	2	3	4	5	6	7	8	g l	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

**Musculoskeletal System** 

NONE

**Nervous System** 

\* ..Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

Species/Strain: Mouse/SENCAR

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

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

**Route: SKIN APPLICATION** 

CAS Number: INIT/PROM

Date Report Requested: 10/18/2014 Time Report Requested: 19:50:01

First Dose M/F: NA / NA

Lab: BAT

DAY ON TES	Γ 0	0	0	0	0	0	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
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
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NONE

**Respiratory System** 

NONE

**Special Senses System** 

NONE

**Urinary System** 

NONE

**SYSTEMIC LESIONS** 

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A .. Autolysis precludes evaluation

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with tumor

<sup>+ ..</sup> Tissue examined microscopically

Species/Strain: Mouse/SENCAR

**Route: SKIN APPLICATION** 

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

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

CAS Number: INIT/PROM

Date Report Requested: 10/18/2014 Time Report Requested: 19:50:01

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 Skin, SOA-No Mass 2

**Musculoskeletal System** 

NONE

**Nervous System** 

NONE

X .. Lesion present

I .. Insufficient tissue

M ..Missing tissue

A .. Autolysis precludes evaluation

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with tumor

<sup>+ ..</sup> Tissue examined microscopically

Experiment Number: 05117-06
Test Type: INIT/PROMOT
Route: SKIN APPLICATION

Species/Strain: Mouse/SENCAR

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

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

CAS Number: INIT/PROM

Date Report Requested: 10/18/2014 Time Report Requested: 19:50:01

First Dose M/F: NA / NA

Lab: BAT

DAY ON TEST

## SENCAR Mouse Female MNNG 100/ACETONE

ANIMAL ID

\*TOTALS

**Respiratory System** 

NONE

**Special Senses System** 

NONE

**Urinary System** 

NONE

**SYSTEMIC LESIONS** 

Multiple Organ 30

X ..Lesion present

I .. Insufficient tissue

M ..Missing tissue

A .. Autolysis precludes evaluation

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with tumor

<sup>+ ..</sup> Tissue examined microscopically

Species/Strain: Mouse/SENCAR

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

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

Route: SKIN APPLICATION

CAS Number: INIT/PROM

Date Report Requested: 10/18/2014
Time Report Requested: 19:50:01

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	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	$\begin{bmatrix} 7 \\ 0 \end{bmatrix}$	$\frac{5}{0}$
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
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	1	2	3	4	5	6	7	8	9	0	1	3	3	4	5	6	7	8	9	4 0	<del>4</del>   1	2	3	4 4	4 5	6	<del>4</del>   7	8	9	5

**Alimentary System** 

NONE

**Cardiovascular System** 

NONE

**Endocrine System** 

NONE

**General Body System** 

NONE

**Genital System** 

NONE

**Hematopoietic System** 

NONE

**Integumentary System** 

 Mammary Gland
 +

 Adenoacanthoma
 X

 Skin
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X ..Lesion present

I .. Insufficient tissue

A .. Autolysis precludes evaluation

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with tumor

<sup>+ ..</sup> Tissue examined microscopically

M ..Missing tissue

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED) Date Report Requested: 10/18/2014 **Experiment Number: 05117-06** Test Type: INIT/PROMOT **Test Compound:** Init/prom comparative mouse study (DMBA/TPA/BPO/MNNG) Time Report Requested: 19:50:01 **Route: SKIN APPLICATION CAS Number: INIT/PROM** First Dose M/F: NA / NA Species/Strain: Mouse/SENCAR Lab: BAT DAY ON TEST *2* 7 **SENCAR Mouse Female** 8 **MNNG 500/ACETONE** ANIMAL ID Õ Õ Õ Õ Õ Õ 3 5 1 5 6 7 9 4 5 Squamous Cell Carcinoma Χ Χ Χ Χ Χ Χ Squamous Cell Papilloma Squamous Cell Papilloma, Multiple Subcut Tiss, Sarcoma

Skin, SOA-No Mass **Musculoskeletal System** 

NONE

**Nervous System** 

NONE

**Respiratory System** 

NONE

**Special Senses System** 

NONE

**Urinary System** 

NONE

SYSTEMIC LESIONS

Multiple Organ

X .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

Χ Χ

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with tumor

<sup>+ ..</sup> Tissue examined microscopically

Species/Strain: Mouse/SENCAR

Test Type: INIT/PROMOT

**Route: SKIN APPLICATION** 

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

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

CAS Number: INIT/PROM

Date Report Requested: 10/18/2014 Time Report Requested: 19:50:01

First Dose M/F: NA / NA

Lab: BAT

DAY ON TEST

## SENCAR Mouse Female 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**

Mammary Gland	1
Adenoacanthoma	1
Skin	10
Skin, Control	3
Skin, SOA-Mass	8
Keratoacanthoma	1
Squamous Cell Carcinoma	5

I ..Insufficient tissue

M ..Missing tissue

A .. Autolysis precludes evaluation

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with tumor

<sup>+ ..</sup> Tissue examined microscopically

X .. Lesion present

# Experiment Number: 05117-06 Test Type: INIT/PROMOT Route: SKIN APPLICATION

Species/Strain: Mouse/SENCAR

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

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

CAS Number: INIT/PROM

Date Report Requested: 10/18/2014 Time Report Requested: 19:50:01

First Dose M/F: NA / NA

Lab: BAT

DAY ON TEST

## SENCAR Mouse Female MNNG 500/ACETONE

#### ANIMAL ID

	*TOTALS
Squamous Cell Papilloma	1
Squamous Cell Papilloma, Multiple	1
Subcut Tiss, Sarcoma	1
Skin, SOA-No Mass	17
Musculoskeletal System	

NONE

**Nervous System** 

NONE

**Respiratory System** 

NONE

**Special Senses System** 

NONE

**Urinary System** 

NONE

**SYSTEMIC LESIONS** 

Multiple Organ 30

X ..Lesion present

I .. Insufficient tissue

M ..Missing tissue

A .. Autolysis precludes evaluation

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with tumor

<sup>+ ..</sup> Tissue examined microscopically

Species/Strain: Mouse/SENCAR

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

**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: 19:50:01

First Dose M/F: NA / NA

Lab: BAT

DAY ON T	EST 0	0	0	0	0	0	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	2	1	2	1	1	3	2	3	3	3	1	3	2	3	3	2	1	1	3	3	3	1	2	3	2	1	2	3	3	3
MNNG1000/ACETONE	5	4	6	1	6	2	8	2	2	3	9	3	8	3	3	0	4	2	4	4	<i>o 4</i>	7	9	6	7	8	7	4	<i>o 4</i>	4
ANIMA		0	0	0	0	0	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	4
	5	5 2	5	5 4	5 5	5 6	5	5 8	5 9	6	6	6	6	6 4	6 5	6	6 7	6 8	6 9	7	7	7 2	7 3	7	7 5	7 6	7	7 8	7 9	8

**Alimentary System** 

NONE

**Cardiovascular System** 

NONE

**Endocrine System** 

NONE

**General Body System** 

NONE

**Genital System** 

NONE

**Hematopoietic System** 

NONE

**Integumentary System** 

Skin		+		+				+				+			+	+	+		+					+	
Skin, Control	+										+	+						+	+	+					
Skin, SOA-Mass	+	+	+	+	+	+	+	+	+	+	+	+	+	+			+	+	+	+	+	+	+		+
Squamous Cell Carcinoma	X				Χ		Χ	Χ				Χ	Χ	Χ			Χ	Χ	Χ	Χ	Χ	Χ	Χ		
Squamous Cell Carcinoma, Multiple			Χ																						
Squamous Cell Papilloma	Χ		Χ							Χ															

X ..Lesion present

I .. Insufficient tissue

A .. Autolysis precludes evaluation

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with tumor

<sup>+ ..</sup> Tissue examined microscopically

M ..Missing tissue

Species/Strain: Mouse/SENCAR

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

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

Route: SKIN APPLICATION

CAS Number: INIT/PROM

Time Report Requested: 19:50:02

Date Report Requested: 10/18/2014

First Dose M/F: NA / NA

Lab: BAT

DAY ON TEST SENCAR Mouse Female MNNG1000/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
	2	1	2	1	1	3	2	3	3	3	1	3	2	3	3	2	1	1	3	3	3	1	2	3	2	1	2	3	3	3
	4	7	8	1	4	6	8	6	6	6	1	6	3	0	6	5	5	3	5	6	6	9	8	4	4	4	5	6	6	6
	5	4	6	1	6	2	8	2	2	3	9	3	8	3	3	0	4	2	4	4	4	7	9	6	7	8	7	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
	0	0	0	0	0	0	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	4
	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	2	3	4	5	6	7	8	9	0

Squamous Cell Papilloma, Multiple

Subcut Tiss, Sarcoma

X X

+ + + + +

Χ

Squamous Cell Carcinoma

Χ

**Musculoskeletal System** 

Skin, SOA-No Mass

NONE

**Nervous System** 

NONE

**Respiratory System** 

NONE

**Special Senses System** 

NONE

**Urinary System** 

NONE

SYSTEMIC LESIONS

X ..Lesion present

I .. Insufficient tissue

M ..Missing tissue

A .. Autolysis precludes evaluation

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with tumor

<sup>+ ..</sup> Tissue examined microscopically

Species/Strain: Mouse/SENCAR

Test Type: INIT/PROMOT

**Route: SKIN APPLICATION** 

#### P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

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

CAS Number: INIT/PROM

Date Report Requested: 10/18/2014 Time Report Requested: 19:50:02

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
Skin, Control	6
Skin, SOA-Mass	22
Squamous Cell Carcinoma	14
Squamous Cell Carcinoma, Multiple	1
Squamous Cell Papilloma	3
Squamous Cell Papilloma, Multiple	1

I .. Insufficient tissue

M ..Missing tissue

A .. Autolysis precludes evaluation

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with tumor

<sup>+ ..</sup> Tissue examined microscopically

X .. Lesion present

Species/Strain: Mouse/SENCAR

**Route: SKIN APPLICATION** 

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

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

CAS Number: INIT/PROM

Date Report Requested: 10/18/2014 Time Report Requested: 19:50:02

First Dose M/F: NA / NA

Lab: BAT

DAY ON TEST

## SENCAR Mouse Female MNNG1000/ACETONE

ANIMAL ID

	*TOTALS
Subcut Tiss, Sarcoma	4
Skin, SOA-No Mass	17
Squamous Cell Carcinoma	1

**Musculoskeletal System** 

NONE

**Nervous System** 

NONE

**Respiratory System** 

NONE

**Special Senses System** 

NONE

**Urinary System** 

NONE

SYSTEMIC LESIONS

Multiple Organ 30

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A .. Autolysis precludes evaluation

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with tumor

<sup>+ ..</sup> Tissue examined microscopically

Species/Strain: Mouse/SENCAR

**Route: SKIN APPLICATION** 

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

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

CAS Number: INIT/PROM

Date Report Requested: 10/18/2014 Time Report Requested: 19:50:02

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

X .. Lesion present

I .. Insufficient tissue

M ..Missing tissue

A .. Autolysis precludes evaluation

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with tumor

<sup>+ ..</sup> Tissue examined microscopically

Species/Strain: Mouse/SENCAR

**Route: SKIN APPLICATION** 

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

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

CAS Number: INIT/PROM

Date Report Requested: 10/18/2014 Time Report Requested: 19:50:02

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

**SYSTEMIC LESIONS** 

Multiple Organ 0

I .. Insufficient tissue

M ..Missing tissue

A .. Autolysis precludes evaluation

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with tumor

<sup>+ ..</sup> Tissue examined microscopically

X ..Lesion present

Species/Strain: Mouse/SENCAR

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

**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: 19:50:02

First Dose M/F: NA / NA

Lab: BAT

**SENCAR Mouse Female MNNG100/COMPLETE** 

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
ale		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
aic		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
E		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 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
		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
		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	16	7	Я	9	Ω	1 1	2	3	4	5	6	7	8	l q	l 0	1 1	2	3	4	5	6	7	l a	q	Ω

#### **Alimentary System**

NONE

**Cardiovascular System** 

NONE

**Endocrine System** 

NONE

**General Body System** 

NONE

**Genital System** 

NONE

**Hematopoietic System** 

NONE

**Integumentary System** 

Skin Skin, Control Skin, SOA-Mass Basal Cell Adenoma Χ Keratoacanthoma Χ Χ  $X \quad X \quad X \quad X \quad X$  $X \quad X \quad X$ Χ Squamous Cell Carcinoma  $X \quad X \quad X$ 

X .. Lesion present

I .. Insufficient tissue

A .. Autolysis precludes evaluation

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with tumor

<sup>+ ..</sup> Tissue examined microscopically

M .. Missing tissue

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

**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: 19:50:02

First Dose M/F: NA / NA

Lab: BAT

DAY ON TEST SENCAR Mouse Female	<i>1 7</i>	0 3 2	0 1 9	0 2 8	0 2 8	0 3 6	0 2 8	0 2 6	0 2 6	0 2 6	0 3 1	0 2 2	0 3 4	0 2 8	0 2 8	0 3 6	0 2 1	0 2 8	0 3 0	0 1 6	0 3 1	0 2 6	0 2 1	0 3 0	0 3 4	0 3 6	0 3 0	0 3 4	0 3 1	0 3 1
MNNG100/COMPLETE  ANIMAL ID	0 0 5 1	0 0 5 1 2	8 0 0 5 1 3	0 0 5 1 4	9 0 0 5 1 5	0 0 5 1 6	9 0 5 1 7	0 0 5 1 8	0 0 5 1 9	8 0 0 5 2 0	0 0 5 2 1	5 0 5 2 2	0 0 5 2 3	0 0 5 2 4	0 0 5 2 5	00526	0 0 5 2 7	0 0 5 2 8	0 0 5 2 9	8 0 0 5 3 0	6 0 5 3 1	0 0 5 3 2	0 0 5 3 3	0 0 5 3 4	0 0 5 3 5	<b>4</b> 0 0 5 3 6	0 0 5 3 7	0 0 5 3 8	0 0 5 3 9	0 0 5 4 0
Squamous Cell Carcinoma, Multiple	•	Х				Χ	Χ	Χ			Χ	Χ	Χ										Χ				Χ	Χ	Χ	
Squamous Cell Papilloma						Χ		Χ						Χ												Χ		Χ		
Squamous Cell Papilloma, Multiple		Χ								Χ																				
Subcut Tiss, Sarcoma												Χ									Χ								Χ	
Skin, SOA-No Mass	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+	+	+	+	+	+	+	+	+	+	+	+	+		+

**Musculoskeletal System** 

NONE

**Nervous System** 

NONE

**Respiratory System** 

NONE

**Special Senses System** 

NONE

**Urinary System** 

NONE

SYSTEMIC LESIONS

Lymphoma Malignant Undifferentiated Cell

Type

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

Χ

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with tumor

<sup>+ ..</sup> Tissue examined microscopically

X ..Lesion present

Species/Strain: Mouse/SENCAR

Test Type: INIT/PROMOT

**Route: SKIN APPLICATION** 

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

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

CAS Number: INIT/PROM

Date Report Requested: 10/18/2014 Time Report Requested: 19:50:02

First Dose M/F: NA / NA

Lab: BAT

DAY ON TEST

## **SENCAR Mouse Female MNNG100/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	5
Skin, Control	20
Skin, SOA-Mass	28
Basal Cell Adenoma	1
Keratoacanthoma	1
Squamous Cell Carcinoma	17
Squamous Cell Carcinoma, Multiple	11

X ..Lesion present

I .. Insufficient tissue

M ..Missing tissue

A .. Autolysis precludes evaluation

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

<sup>+ ..</sup> Tissue examined microscopically

Species/Strain: Mouse/SENCAR

Test Type: INIT/PROMOT

**Route: SKIN APPLICATION** 

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

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

CAS Number: INIT/PROM

Date Report Requested: 10/18/2014 Time Report Requested: 19:50:02

First Dose M/F: NA / NA

Lab: BAT

#### DAY ON TEST

## **SENCAR Mouse Female MNNG100/COMPLETE**

#### ANIMAL ID

	<u>*TOTALS</u>
Squamous Cell Papilloma	5
Squamous Cell Papilloma, Multiple	2
Subcut Tiss, Sarcoma	3
Skin, SOA-No Mass	28

#### **Musculoskeletal System**

NONE

**Nervous System** 

NONE

**Respiratory System** 

NONE

**Special Senses System** 

NONE

**Urinary System** 

NONE

#### **SYSTEMIC LESIONS**

Multiple Organ 30
Lymphoma Malignant Undifferentiated Cell 1
Type

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A .. Autolysis precludes evaluation

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with tumor

<sup>+ ..</sup> Tissue examined microscopically

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

**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

Time Report Requested: 19:50:02

Date Report Requested: 10/18/2014

0

6 4 0

5 6 9

3 | 3 | 3

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	1
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	١.
SLINGAR MIDUSE FEIIIAIE	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	(
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
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	П
ANIMAL ID	'  o	0	0	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	;
	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	(
	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	

**Alimentary System** 

NONE

**Cardiovascular System** 

NONE

**Endocrine System** 

NONE

**General Body System** 

NONE

**Genital System** 

NONE

**Hematopoietic System** 

NONE

**Integumentary System** 

X .. Lesion present

I .. Insufficient tissue

M ..Missing tissue

A .. Autolysis precludes evaluation

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with tumor

<sup>+ ..</sup> Tissue examined microscopically

Test Type: INIT/PROMOT

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

**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: 19:50:02 First Dose M/F: NA / NA

Lab: BAT

SENCAR Mouse Female BPO 20 COMPLETE

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

**Musculoskeletal System** 

NONE

**Nervous System** 

NONE

**Respiratory System** 

NONE

**Special Senses System** 

NONE

**Urinary System** 

NONE

SYSTEMIC LESIONS

X .. Lesion present

I ..Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with tumor

<sup>+ ..</sup> Tissue examined microscopically

Species/Strain: Mouse/SENCAR

Test Type: INIT/PROMOT

**Route: SKIN APPLICATION** 

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

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

CAS Number: INIT/PROM

Date Report Requested: 10/18/2014 Time Report Requested: 19:50:02

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**

Skin	5
Skin, Control	14
Skin, SOA-Mass	1
Squamous Cell Papilloma	1
Skin, SOA-No Mass	27

#### **Musculoskeletal System**

NONE

M ..Missing tissue

A .. Autolysis precludes evaluation

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with tumor

<sup>+ ..</sup> Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

Experiment Number: 05117-06
Test Type: INIT/PROMOT
Route: SKIN APPLICATION

Species/Strain: Mouse/SENCAR

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

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

CAS Number: INIT/PROM

Date Report Requested: 10/18/2014 Time Report Requested: 19:50:02

First Dose M/F: NA / NA

Lab: BAT

DAY ON TEST

## SENCAR Mouse Female BPO 20 COMPLETE

ANIMAL ID

\*TOTALS

**Nervous System** 

NONE

**Respiratory System** 

NONE

**Special Senses System** 

NONE

**Urinary System** 

NONE

**SYSTEMIC LESIONS** 

Multiple Organ 30

I ..Insufficient tissue

M ..Missing tissue

A .. Autolysis precludes evaluation

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with tumor

<sup>+ ..</sup> Tissue examined microscopically

X .. Lesion present

Species/Strain: Mouse/SENCAR

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

**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: 19:50:02

Χ

First Dose M/F: NA / NA

Lab: BAT

DAY ON TEST SENCAR Mouse Female MNNG 100/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	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	8	6	6	6	6	6	6	6	6	6	6	6	6
	2	2	2	2	2	2	2	2	2	3	3	3	3	3	3	3	3	4	3	4	4	4	4	4	4	4	4	4	4	4
ANIMAL ID	0 0 5 7 1	0 0 5 7 2	0 0 5 7 3	0 0 5 7 4	0 0 5 7 5	0 0 5 7 6	0 0 5 7 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	0 0 5 8 6	0 0 5 8 7	00588	00589	0 0 5 9 0	0 0 5 9 1	00592	0 0 5 9 3	0 0 5 9 4	00595	00596	0 0 5 9 7	00598	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 Skin, Control Skin, SOA-Mass Keratoacanthoma Χ Squamous Cell Carcinoma Χ

Squamous Cell Carcinoma, Multiple

X ..Lesion present

I .. Insufficient tissue

A .. Autolysis precludes evaluation

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with tumor

<sup>+ ..</sup> Tissue examined microscopically

M .. Missing tissue

Species/Strain: Mouse/SENCAR

**Route: SKIN APPLICATION** 

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

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

**CAS Number: INIT/PROM** 

Date Report Requested: 10/18/2014 Time Report Requested: 19:50:03

First Dose M/F: NA / NA

Lab: BAT

**SENCAR Mouse Female** MNNG 100/BPO 20

DAY ON TEST **2** ANIMAL ID 5 7 5 7 2 5 7 5 5 7 8 5 8 5 5 8 6 5 8 9 5 9 2 5 9 9 7 7 9 9 6 7 7 7 8 3 9 3 Χ Χ Χ

Squamous Cell Papilloma

Squamous Cell Papilloma, Multiple

Χ Χ Χ Skin, SOA-No Mass

Musculoskeletal System

NONE

**Nervous System** 

NONE

**Respiratory System** 

NONE

**Special Senses System** 

NONE

**Urinary System** 

NONE

**SYSTEMIC LESIONS** 

Multiple Organ

X .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with tumor

<sup>+ ..</sup> Tissue examined microscopically

Species/Strain: Mouse/SENCAR

Test Type: INIT/PROMOT

**Route: SKIN APPLICATION** 

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

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

CAS Number: INIT/PROM

Date Report Requested: 10/18/2014 Time Report Requested: 19:50:03

First Dose M/F: NA / NA

Lab: BAT

DAY ON TEST

## SENCAR Mouse Female 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	2
Skin, Control	15
Skin, SOA-Mass	10
Keratoacanthoma	2
Squamous Cell Carcinoma	1
Squamous Cell Carcinoma, Multiple	1
Squamous Cell Papilloma	3

X .. Lesion present

I ..Insufficient tissue

M ..Missing tissue

A .. Autolysis precludes evaluation

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with tumor

<sup>+ ..</sup> Tissue examined microscopically

Species/Strain: Mouse/SENCAR

**Route: SKIN APPLICATION** 

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

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

CAS Number: INIT/PROM

Date Report Requested: 10/18/2014 Time Report Requested: 19:50:03

First Dose M/F: NA / NA

Lab: BAT

DAY ON TEST

# SENCAR Mouse Female MNNG 100/BPO 20

ANIMAL ID

	*TOTALS
Squamous Cell Papilloma, Multiple	3
Skin, SOA-No Mass	28

**Musculoskeletal System** 

NONE

**Nervous System** 

NONE

**Respiratory System** 

NONE

**Special Senses System** 

NONE

**Urinary System** 

NONE

**SYSTEMIC LESIONS** 

Multiple Organ 30

BLANK .. Not examined microscopically

X ..Lesion present

I .. Insufficient tissue

M ..Missing tissue

A .. Autolysis precludes evaluation

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with tumor

<sup>+ ..</sup>Tissue examined microscopically

Species/Strain: Mouse/SENCAR

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

**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: 19:50:03

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 IE	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	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	00623	0 0 6 2 4	0 0 6 2 5	0 0 6 2 6	0 0 6 2 7	00628	00629	0 0 6 3 0

**Alimentary System** 

NONE

**Cardiovascular System** 

NONE

**Endocrine System** 

NONE

**General Body System** 

NONE

**Genital System** 

NONE

**Hematopoietic System** 

NONE

**Integumentary System** 

Skin		+										+									+
Skin, Control	+	+	+	+		+		+	+	+	+	+	+	+	+	+	+	+		+	
Skin, SOA-Mass		+		+	+	+	+	+	+			+		+	+	+	+		+	+	
Sarcoma														Χ							
Squamous Cell Carcinoma		Χ		Χ								Χ			Χ	Χ					
Squamous Cell Papilloma					Χ			Χ											X	Χ	

X ..Lesion present

I .. Insufficient tissue

A .. Autolysis precludes evaluation

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with tumor

<sup>+ ..</sup> Tissue examined microscopically

M .. Missing tissue

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

**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: 19:50:03

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	$\begin{vmatrix} 3 \\ 6 \end{vmatrix}$	$\begin{vmatrix} 1 \\ 1 \end{vmatrix}$	<i>3 6</i>	<i>3 6</i>	3 6	<i>3 6</i>	3 6	3 6	3 6	3 0	3 6	3 4	3 6	3 6	3 6	3 6	<i>I</i> 8	3 6	<i>3 6</i>	3 6	5	8	3 6	5	<i>3 6</i>	3 6	<i>3 6</i>	3 6	<b>3 6</b>	6
MNNG 500/BPO 20	2	1	2	2	2	2	3	3	3	7	3	6	3	3	3	3	1	4	4	4	0	ğ	4	1	4	4	4	4	4	4
ANIMAL ID	0 0 6	0 0 6	0 0 6	0 0 6	0 0 6	0 0 6	0 0 6	0 0 6	0 0 6	0 0 6	0 0 6	0 0 6	0 0 6	0 0 6	0 0 6	0 0 6	0 0 6	0 0 6	0 0 6	0 0 6	0 0 6	0 0 6	0 0 6	0 0 6	0 0 6	0 0 6	0 0 6	0 0 6	0 0 6	0   0   6
	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1 7	1 8	1	2	2	2	2	2	2	2	2	2	2	3

Squamous Cell Papilloma, Multiple

Subcut Tiss, Sarcoma

X X

Χ

Skin, SOA-No Mass Musculoskeletal System

NONE

**Nervous System** 

NONE

**Respiratory System** 

NONE

**Special Senses System** 

NONE

**Urinary System** 

NONE

**SYSTEMIC LESIONS** 

X ..Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with tumor

<sup>+ ..</sup> Tissue examined microscopically

Species/Strain: Mouse/SENCAR

Test Type: INIT/PROMOT

**Route: SKIN APPLICATION** 

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

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

CAS Number: INIT/PROM

Date Report Requested: 10/18/2014 Time Report Requested: 19:50:03

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
Skin, Control	17
Skin, SOA-Mass	14
Sarcoma	1
Squamous Cell Carcinoma	5
Squamous Cell Papilloma	4
Squamous Cell Papilloma, Multiple	1

I ..Insufficient tissue

M ..Missing tissue

A .. Autolysis precludes evaluation

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

<sup>+ ..</sup> Tissue examined microscopically

X ..Lesion present

Species/Strain: Mouse/SENCAR

**Route: SKIN APPLICATION** 

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

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

CAS Number: INIT/PROM

Date Report Requested: 10/18/2014 Time Report Requested: 19:50:03

First Dose M/F: NA / NA

Lab: BAT

DAY ON TEST

# SENCAR Mouse Female MNNG 500/BPO 20

ANIMAL ID

	*TOTALS
Subcut Tiss, Sarcoma	3
Skin, SOA-No Mass	28

**Musculoskeletal System** 

NONE

**Nervous System** 

NONE

**Respiratory System** 

NONE

**Special Senses System** 

NONE

**Urinary System** 

NONE

**SYSTEMIC LESIONS** 

Multiple Organ 30

BLANK .. Not examined microscopically

X ..Lesion present

I .. Insufficient tissue

M ..Missing tissue

A .. Autolysis precludes evaluation

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with tumor

<sup>+ ..</sup> Tissue examined microscopically

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

**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: 19:50:03

First Dose M/F: NA / NA

Lab: BAT

DAY ON TEST SENCAR Mouse Female MNNG1000/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	0	2	3	3	1	3	3	3	3	3	3	2	3	0	1	3	3	3	1	1	3	3	2	1	3	3	3	1	2
	1	7	2	6	4	9	6	6	6	6	6	6	0	6	1	9	1	0	6	7	7	6	6	4	9	6	6	6	5	5
	4	1	9	2	1	4	2	2	2	2	3	3	9	3	4	7	4	6	3	4	4	3	4	4	8	4	4	4	4	9
ANIMAL ID	0 0 6 3 1	0 0 6 3 2	0 0 6 3 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 9	0 0 6 4 0	0 0 6 4 1	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 1	0 0 6 5 2	00653	0 0 6 5 4	0 0 6 5 5	00656	0 0 6 5 7	00658	00659	0 0 6 6

**Alimentary System** 

NONE

**Cardiovascular System** 

NONE

**Endocrine System** 

NONE

**General Body System** 

NONE

**Genital System** 

NONE

**Hematopoietic System** 

NONE

**Integumentary System** 

Skin	+				+												+	+						+	
Squamous Cell Carcinoma																		Χ							
Skin, Control	+	+	+		+	+	+		+	+	+	+	+	+	+	+		+	+	+				+	
Skin, SOA-Mass	+	+	+	+	+	+		+		+	+			+	+	+				+	+	+	+		+
Squamous Cell Carcinoma	Χ	Χ		Χ	Χ					Χ	Χ			Χ								Χ			
Squamous Cell Papilloma			Χ	Χ		Χ		Χ								Χ							Χ		

X ..Lesion present

I .. Insufficient tissue

A .. Autolysis precludes evaluation

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with tumor

<sup>+ ..</sup> Tissue examined microscopically

M ..Missing tissue

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

**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: 19:50:03

First Dose M/F: NA / NA

Lab: BAT

DAY ON TEST SENCAR Mouse Female MNNG1000/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	0	2	3	3	1	3	3	3	3	3	3	2	3	0	1	3	3	3	1	1	3	3	2	1	3	3	3	1	2
	1	7	2	6	4	9	6	6	6	6	6	6	0	6	1	9	1	0	6	7	7	6	6	4	9	6	6	6	5	5
	4	1	9	2	1	4	2	2	2	2	3	3	9	3	4	7	4	6	3	4	4	3	4	4	8	4	4	4	4	9
ANIMAL ID	0 0 6 3 1	0 0 6 3 2	0 0 6 3 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 9	0 0 6 4 0	0 0 6 4 1	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 1	0 0 6 5 2	00653	0 0 6 5 4	0 0 6 5 5	00656	0 0 6 5 7	00658	00659	0 0 6 6

Squamous Cell Papilloma, Multiple

 Subcut Tiss, Sarcoma
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**Musculoskeletal System** 

NONE

**Nervous System** 

NONE

**Respiratory System** 

NONE

**Special Senses System** 

NONE

**Urinary System** 

NONE

SYSTEMIC LESIONS

X ..Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with tumor

<sup>+ ..</sup> Tissue examined microscopically

Species/Strain: Mouse/SENCAR

Test Type: INIT/PROMOT

**Route: SKIN APPLICATION** 

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

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

CAS Number: INIT/PROM

Date Report Requested: 10/18/2014 Time Report Requested: 19:50:03

First Dose M/F: NA / NA

Lab: BAT

DAY ON TEST

# SENCAR Mouse Female 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	5
Squamous Cell Carcinoma	1
Skin, Control	18
Skin, SOA-Mass	17
Squamous Cell Carcinoma	8
Squamous Cell Papilloma	6
Squamous Cell Papilloma, Multiple	1

X .. Lesion present

I ..Insufficient tissue

M ..Missing tissue

A .. Autolysis precludes evaluation

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with tumor

<sup>+ ..</sup> Tissue examined microscopically

Species/Strain: Mouse/SENCAR

**Route: SKIN APPLICATION** 

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

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

CAS Number: INIT/PROM

Date Report Requested: 10/18/2014 Time Report Requested: 19:50:03

First Dose M/F: NA / NA

Lab: BAT

DAY ON TEST

# SENCAR Mouse Female MNNG1000/BPO 20

ANIMAL ID

	*TOTALS
Subcut Tiss, Sarcoma	4
Skin, SOA-No Mass	29

**Musculoskeletal System** 

NONE

**Nervous System** 

NONE

**Respiratory System** 

NONE

**Special Senses System** 

NONE

**Urinary System** 

NONE

**SYSTEMIC LESIONS** 

Multiple Organ 30

BLANK .. Not examined microscopically

X ..Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with tumor

<sup>+ ..</sup> Tissue examined microscopically

Species/Strain: Mouse/SENCAR

**Route: SKIN APPLICATION** 

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

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

CAS Number: INIT/PROM

Date Report Requested: 10/18/2014 Time Report Requested: 19:50:03

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

X .. Lesion present

I ..Insufficient tissue

M ..Missing tissue

A .. Autolysis precludes evaluation

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with tumor

<sup>+ ..</sup> Tissue examined microscopically

Experiment Number: 05117-06
Test Type: INIT/PROMOT
Route: SKIN APPLICATION

Species/Strain: Mouse/SENCAR

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

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

CAS Number: INIT/PROM

Date Report Requested: 10/18/2014 Time Report Requested: 19:50:03

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

**SYSTEMIC LESIONS** 

Multiple Organ 0

I .. Insufficient tissue

M ..Missing tissue

A .. Autolysis precludes evaluation

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with tumor

<sup>+ ..</sup> Tissue examined microscopically

X ..Lesion present

Species/Strain: Mouse/SENCAR

**Route: SKIN APPLICATION** 

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

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

CAS Number: INIT/PROM

Date Report Requested: 10/18/2014 Time Report Requested: 19:50:03

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

X .. Lesion present

I ..Insufficient tissue

M ..Missing tissue

A .. Autolysis precludes evaluation

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with tumor

<sup>+ ..</sup> Tissue examined microscopically

Experiment Number: 05117-06
Test Type: INIT/PROMOT
Route: SKIN APPLICATION

Species/Strain: Mouse/SENCAR

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

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

CAS Number: INIT/PROM

Date Report Requested: 10/18/2014 Time Report Requested: 19:50:03

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

**SYSTEMIC LESIONS** 

Multiple Organ 0

I .. Insufficient tissue

M ..Missing tissue

A .. Autolysis precludes evaluation

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with tumor

<sup>+ ..</sup> Tissue examined microscopically

X ..Lesion present

Species/Strain: Mouse/SENCAR

**Route: SKIN APPLICATION** 

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

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

CAS Number: INIT/PROM

Date Report Requested: 10/18/2014 Time Report Requested: 19:50:03

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

X .. Lesion present

I ..Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with tumor

<sup>+ ..</sup> Tissue examined microscopically

Experiment Number: 05117-06
Test Type: INIT/PROMOT
Route: SKIN APPLICATION

Species/Strain: Mouse/SENCAR

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

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

CAS Number: INIT/PROM

Date Report Requested: 10/18/2014 Time Report Requested: 19:50:03

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

**SYSTEMIC LESIONS** 

Multiple Organ 0

\*\* END OF REPORT \*\*

X .. Lesion present

I ..Insufficient tissue

M ..Missing tissue

A .. Autolysis precludes evaluation

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with tumor

<sup>+ ..</sup> Tissue examined microscopically