Species/Strain: Mouse/SENCAR

#### P18: INCIDENCE RATES OF NON-NEOPLASTIC LESIONS BY ANATOMIC SITE (a) WITH Date Report Requested: 10/18/2014 AVERAGE SEVERITY GRADES[b]

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

**CAS Number: INIT/PROM** 

Time Report Requested: 19:47:09

First Dose M/F: NA / NA

Lab: BAT

C Number: C61994C

**Lock Date:** Not Entered.

**Cage Range:** ΑII

**Date Range:** ΑII

**Reasons For Removal:** ΑII

**Removal Date Range:** ΑII

**Treatment Groups:** ΑII

**Study Gender:** Both

**PWG Approval Date** 04/29/1994

Species/Strain: Mouse/SENCAR

**Route: SKIN APPLICATION** 

# P18: INCIDENCE RATES OF NON-NEOPLASTIC LESIONS BY ANATOMIC SITE (a) WITH AVERAGE SEVERITY GRADES[b] Date Report Requested: 10/18/2014 Time Report Requested: 19:47:09

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

CAS Number: INIT/PROM

First Dose M/F: NA / NA

Time Report Requested: 19:47:09

Lab: BAT

SENCAR Mouse MALE	VEHICLE CONTROL	MNNG 100/ACETONE	MNNG 500/ACETONE	MNNG1000/ACETON E	MNNG100/COMPLET	BPO 20 COMPLETE
Disposition Summary						
Animals Initially In Study	30	30	30	30	30	30
Early Deaths  Moribund Sacrifice		2	10	20	23	3
Natural Death	1		4	3	3	
Survivors Natural Death						1
Terminal Sacrifice	29	28	16	7	4	26
Animals Examined Microscopically	30	30	30	30	30	30
ALIMENTARY SYSTEM None						
CARDIOVASCULAR SYSTEM None						
ENDOCRINE SYSTEM None						
GENERAL BODY SYSTEM None						
GENITAL SYSTEM None						
HEMATOPOIETIC SYSTEM None						
INTEGUMENTARY SYSTEM						
Skin	(29)	(21)	(11)	(19)	(5)	(4)
Acanthosis				2		1 [4.0]
Alopecia				3		

a - Number of animals examined microscopically at site and number of animals with lesion

b - Average severity grade (1-minimal; 2-mild; 3-moderate; 4-marked)

Species/Strain: Mouse/SENCAR

### P18: INCIDENCE RATES OF NON-NEOPLASTIC LESIONS BY ANATOMIC SITE (a) WITH AVERAGE SEVERITY GRADES[b] Date Report Requested: 10/18/2014 Time Report Requested: 19/47/09

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

CAS Number: INIT/PROM

Time Report Requested: 19:47:09

First Dose M/F: NA / NA

Lab: BAT

SENCAR Mouse MALE	VEHICLE CONTROL	MNNG 100/ACETONE	MNNG 500/ACETONE	MNNG1000/ACETON E	MNNG100/COMPLET E	BPO 20 COMPLETE
Inflammation, Chronic Active			4 [3.3]	14 [3.1]	5 [3.0]	1 [3.0]
Ulcer			4 [4.0]	13 [3.7]	5 [4.0]	1 [4.0]
Skin, Control	(0)	(0)	(4)	(5)	(22)	(15)
Acanthosis			4 [2.3]	4 [1.5]	21 [1.7]	15 [1.2]
Inflammation, Chronic Active			3 [1.0]	5 [1.6]	17 [1.3]	9 [1.0]
Ulcer				1 [4.0]	1 [4.0]	
Skin, SOA-Mass	(0)	(3)	(12)	(18)	(28)	(1)
Acanthosis		2 [2.5]		2 [3.5]		
Skin, SOA-No Mass	(1)	(6)	(19)	(19)	(30)	(27)
Acanthosis	1 [1.0]	6 [1.0]	13 [1.7]	9 [1.8]	25 [2.2]	25 [1.7]
Alopecia						1
Hair Follicle, Cyst			2	2		
Inflammation, Chronic Active			15 [2.2]	17 [2.6]	26 [2.3]	26 [1.2]
Subcut Tiss, Edema						
Subcut Tiss, Infiltration Cellular, Mixed Cell					1 [3.0]	
Ulcer			8 [3.8]	11 [3.6]	15 [3.7]	2 [3.5]
MUSCULOSKELETAL SYSTEM						
None						
NERVOUS SYSTEM						
None						
RESPIRATORY SYSTEM						

SPECIAL SENSES SYSTEM

None

None

None

**URINARY SYSTEM** 

a - Number of animals examined microscopically at site and number of animals with lesion

b - Average severity grade (1-minimal; 2-mild; 3-moderate; 4-marked)

Species/Strain: Mouse/SENCAR

P18: INCIDENCE RATES OF NON-NEOPLASTIC LESIONS BY ANATOMIC SITE (a) WITH Date Report Requested: 10/18/2014 AVERAGE SEVERITY GRADES[b]

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

CAS Number: INIT/PROM

Time Report Requested: 19:47:09

First Dose M/F: NA / NA

Lab: BAT

**SENCAR Mouse MALE** 

**VEHICLE CONTROL** 

MNNG 100/ACETONE

MNNG **500/ACETONE**  MNNG1000/ACETON MNNG100/COMPLET BPO 20 COMPLETE Ε

Ε

a - Number of animals examined microscopically at site and number of animals with lesion

b - Average severity grade (1-minimal; 2-mild; 3-moderate; 4-marked)

**Route: SKIN APPLICATION** 

P18: INCIDENCE RATES OF NON-NEOPLASTIC LESIONS BY ANATOMIC SITE (a) WITH Date Report Requested: 10/18/2014 AVERAGE SEVERITY GRADES[b] Time Report Requested: 19:47:09

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

CAS Number: INIT/PROM Species/Strain: Mouse/SENCAR

Lab: BAT

Time Report Requested: 19:47:09

First Dose M/F: NA / NA

SENCAR Mouse MALE	MNNG 100/BPO 20	MNNG 500/BPO 20	MNNG1000/BPO 20	MNNG 100/TPA 5	MNNG1000/TPA 5
<b>Disposition Summary</b>					
Animals Initially In Study	30	30	30	30	30
Early Deaths					
Moribund Sacrifice	2	11	21		
Natural Death		3	3		
Survivors					
Natural Death					
Terminal Sacrifice	28	16	6		
Animals Examined Microscopically	30	30	30		
ALIMENTARY SYSTEM					
None					
CARDIOVASCULAR SYSTEM					
None					
ENDOCRINE SYSTEM					
None					
GENERAL BODY SYSTEM					
None					
GENITAL SYSTEM					
None					
HEMATOPOIETIC SYSTEM					
None					
INTEGUMENTARY SYSTEM					
Skin	(0)	(3)	(3)	(0)	(0)
Acanthosis		• •			
Alopecia			2		

6 [3.0]

Inflammation, Chronic Active

6 [3.0]

a - Number of animals examined microscopically at site and number of animals with lesion

b - Average severity grade (1-minimal; 2-mild; 3-moderate; 4-marked)

Species/Strain: Mouse/SENCAR

## P18: INCIDENCE RATES OF NON-NEOPLASTIC LESIONS BY ANATOMIC SITE (a) WITH Date Report Requested: 10/18/2014 AVERAGE SEVERITY GRADES[b] Time Report Requested: 19:47:09

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

CAS Number: INIT/PROM

Time Report Requested: 19:47:09

First Dose M/F: NA / NA

Lab: BAT

SENCAR Mouse MALE	MNNG 100/BPO 20	MNNG 500/BPO 20	MNNG1000/BPO 20	MNNG 100/TPA 5	MNNG1000/TPA 5
Ulcer		6 [3.7]	6 [4.0]		
Skin, Control	(15)	(14)	(21)	(0)	(0)
Acanthosis	30 [1.1]	28 [1.4]	42 [1.7]		
Inflammation, Chronic Active	28 [1.0]	28 [1.1]	42 [1.3]		
Ulcer					
Skin, SOA-Mass	(12)	(21)	(27)	(0)	(0)
Acanthosis	2 [3.0]	6 [2.3]			
Skin, SOA-No Mass	(29)	(29)	(28)	(0)	(0)
Acanthosis	56 [1.6]	54 [2.0]	56 [2.6]		
Alopecia					
Hair Follicle, Cyst	2	4			
Inflammation, Chronic Active	58 [1.2]	56 [1.6]	54 [1.8]		
Subcut Tiss, Edema		2 [3.0]			
Subcut Tiss, Infiltration Cellular, Mixed Cell					
Ulcer	2 [4.0]	10 [3.6]	10 [4.0]		
MUSCULOSKELETAL SYSTEM					
None					
NERVOUS SYSTEM					
None					
RESPIRATORY SYSTEM					
None					
SPECIAL SENSES SYSTEM					
None					
URINARY SYSTEM					
None					

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

a - Number of animals examined microscopically at site and number of animals with lesion

b - Average severity grade (1-minimal; 2-mild; 3-moderate; 4-marked)

Species/Strain: Mouse/SENCAR

**Route: SKIN APPLICATION** 

#### P18: INCIDENCE RATES OF NON-NEOPLASTIC LESIONS BY ANATOMIC SITE (a) WITH Date Report Requested: 10/18/2014 AVERAGE SEVERITY GRADES[b]

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

CAS Number: INIT/PROM

Time Report Requested: 19:47:09

First Dose M/F: NA / NA

Lab: BAT

SENCAR Mouse FEMALE	VEHICLE CONTROL	MNNG 100/ACETONE	MNNG 500/ACETONE	MNNG1000/ACETON E	TPA 5 COMPLETE	MNNG100/COMPLET
Disposition Summary						
Animals Initially In Study	30	30	30	30	30	30
Early Deaths						
Accidentally Killed	1					
Moribund Sacrifice	1		5	13		25
Natural Death	2		3	6		2
Survivors						
Terminal Sacrifice	26	30	22	11		3
Animals Examined Microscopically	30	30	30	30		30
ALIMENTARY SYSTEM None						
CARDIOVASCULAR SYSTEM None						
ENDOCRINE SYSTEM None						
GENERAL BODY SYSTEM None						
GENITAL SYSTEM None						
HEMATOPOIETIC SYSTEM None						
INTEGUMENTARY SYSTEM						
Mammary Gland	(0)	(0)	(1)	(0)	(0)	(0)
Skin	(30)	(28)	(10)	(9)	(0)	(5)
Acanthosis				1 [3.0]		2 [4.0]

a - Number of animals examined microscopically at site and number of animals with lesion

b - Average severity grade (1-minimal; 2-mild; 3-moderate; 4-marked)

Species/Strain: Mouse/SENCAR

# P18: INCIDENCE RATES OF NON-NEOPLASTIC LESIONS BY ANATOMIC SITE (a) WITH AVERAGE SEVERITY GRADES[b] Date Report Requested: 10/18/2014 Time Report Requested: 19:47:09

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

CAS Number: INIT/PROM

Time Report Requested: 19:47:09

First Dose M/F: NA / NA

Lab: BAT

SENCAR Mouse FEMALE	VEHICLE CONTROL	MNNG 100/ACETONE	MNNG 500/ACETONE	MNNG1000/ACETON E	TPA 5 COMPLETE	MNNG100/COMPLET E
Alopecia				1		1
Hair Follicle, Cyst						1
Inflammation, Chronic Active		1 [2.0]		6 [3.0]		2 [2.5]
Ulcer		1 [2.0]		4 [3.8]		3 [3.7]
Skin, Control	(0)	(0)	(3)	(6)	(0)	(20)
Acanthosis			3 [1.0]	5 [1.2]		19 [1.6]
Inflammation, Chronic Active			1 [1.0]	3 [1.7]		17 [1.4]
Ulcer				1 [3.0]		
Skin, SOA-Mass	(0)	(0)	(8)	(22)	(0)	(28)
Acanthosis				2 [2.5]		
Skin, SOA-No Mass	(0)	(2)	(17)	(17)	(0)	(28)
Abscess		1 [1.0]				
Acanthosis		1 [1.0]	17 [1.3]	11 [2.0]		24 [2.0]
Hair Follicle, Cyst				2		
Inflammation, Chronic Active			16 [1.3]	17 [1.9]		27 [2.0]
Ulcer			1 [3.0]	8 [3.5]		6 [3.7]
MUSCULOSKELETAL SYSTEM None						
NERVOUS SYSTEM None						
RESPIRATORY SYSTEM None						
SPECIAL SENSES SYSTEM None						

**URINARY SYSTEM** 

None

a - Number of animals examined microscopically at site and number of animals with lesion

b - Average severity grade (1-minimal; 2-mild; 3-moderate; 4-marked)

Species/Strain: Mouse/SENCAR

P18: INCIDENCE RATES OF NON-NEOPLASTIC LESIONS BY ANATOMIC SITE (a) WITH Date Report Requested: 10/18/2014 AVERAGE SEVERITY GRADES[b]

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

CAS Number: INIT/PROM

Time Report Requested: 19:47:09

Lab: BAT

First Dose M/F: NA / NA

**SENCAR Mouse FEMALE** 

**VEHICLE CONTROL** 

MNNG 100/ACETONE

MNNG **500/ACETONE** 

MNNG1000/ACETON TPA 5 COMPLETE MNNG100/COMPLET Ε

Ε

a - Number of animals examined microscopically at site and number of animals with lesion

b - Average severity grade (1-minimal; 2-mild; 3-moderate; 4-marked)

Species/Strain: Mouse/SENCAR

**Route: SKIN APPLICATION** 

# P18: INCIDENCE RATES OF NON-NEOPLASTIC LESIONS BY ANATOMIC SITE (a) WITH AVERAGE SEVERITY GRADES[b] Date Report Requested: 10/18/2014 Time Report Requested: 19:47:09

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

CAS Number: INIT/PROM

Time Report Requested: 19:47:09

First Dose M/F: NA / NA

Lab: BAT

SENCAR Mouse FEMALE	BPO 20 COMPLETE	MNNG 100/BPO 20	MNNG 500/BPO 20	MNNG1000/BPO 20	MNNG 100/TPA 5	MNNG1000/TPA 5
Disposition Summary				,		
Animals Initially In Study Early Deaths	30	30	30	30	30	30
Accidentally Killed			_			
Moribund Sacrifice Natural Death	1 2	1	7	12 4		
Survivors						
Terminal Sacrifice	27	29	23	14		
Animals Examined Microscopically	30	30	30	30		
ALIMENTARY SYSTEM None						
CARDIOVASCULAR SYSTEM None						
ENDOCRINE SYSTEM None						
GENERAL BODY SYSTEM None						
GENITAL SYSTEM None						
HEMATOPOIETIC SYSTEM None						
INTEGUMENTARY SYSTEM Mammary Gland	(0)	(0)	(0)	(0)	(0)	(0)
Skin Acanthosis Alopecia	(5)	(2)	(3) 2	(5) 2 [3.0]	(0)	(0)

a - Number of animals examined microscopically at site and number of animals with lesion

b - Average severity grade (1-minimal; 2-mild; 3-moderate; 4-marked)

Species/Strain: Mouse/SENCAR

## P18: INCIDENCE RATES OF NON-NEOPLASTIC LESIONS BY ANATOMIC SITE (a) WITH Date Report Requested: 10/18/2014 AVERAGE SEVERITY GRADES[b] Time Report Requested: 19:47:09

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

CAS Number: INIT/PROM

Time Report Requested: 19:47:09

First Dose M/F: NA / NA

Lab: BAT

SENCAR Mouse FEMALE	BPO 20 COMPLETE	MNNG 100/BPO 20	MNNG 500/BPO 20	MNNG1000/BPO 20	MNNG 100/TPA 5	MNNG1000/TPA 5
Hair Follicle, Cyst				2		
Inflammation, Chronic Active	2 [3.0]	2 [2.0]	4 [3.5]	8 [3.0]		
Ulcer	2 [3.5]	2 [3.0]	4 [3.5]	10 [3.4]		
Skin, Control	(14)	(15)	(17)	(18)	(0)	(0)
Acanthosis	14 [1.2]	30 [1.1]	34 [1.3]	32 [1.5]		
Inflammation, Chronic Active	14 [1.0]	30 [1.1]	34 [1.1]	32 [1.3]		
Ulcer				4 [3.5]		
Skin, SOA-Mass	(1)	(10)	(14)	(17)	(0)	(0)
Acanthosis			2 [4.0]			
Skin, SOA-No Mass	(27)	(28)	(28)	(29)	(0)	(0)
Abscess						
Acanthosis	27 [1.6]	56 [1.3]	56 [1.9]	54 [2.4]		
Hair Follicle, Cyst				2		
Inflammation, Chronic Active	27 [1.1]	56 [1.2]	56 [1.4]	62 [1.8]		
Ulcer	1 [4.0]		4 [3.5]	12 [3.7]		
MUSCULOSKELETAL SYSTEM						
None						
NERVOUS SYSTEM						
None						
RESPIRATORY SYSTEM						
None						
SPECIAL SENSES SYSTEM						
None						
URINARY SYSTEM						
None						

### \*\* END OF REPORT \*\*

a - Number of animals examined microscopically at site and number of animals with lesion

b - Average severity grade (1-minimal; 2-mild; 3-moderate; 4-marked)