

Experiment Number: 05117-07
Test Type: INIT/PROMOT
Route: SKIN APPLICATION|DERMAL,SOLUTION
Species/Strain: Mouse/SENCAR

**P18: INCIDENCE RATES OF NON-NEOPLASTIC LESIONS BY ANATOMIC SITE (a) WITH
AVERAGE SEVERITY GRADES[b]**

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

Date Report Requested: 10/22/2014
Time Report Requested: 18:08:43
First Dose M/F: NA / NA
Lab: BAT

C Number: C61994C
Lock Date: 04/09/1992
Cage Range: All
Date Range: All
Reasons For Removal: All
Removal Date Range: All
Treatment Groups: All
Study Gender: Both
PWG Approval Date: 04/29/1994

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

SENCAR Mouse MALE	VEHICLE CONTROL	DMBA0.25 /TPA 1	DMBA 2.5 /TPA 1	DMBA 25 /TPA 1	TPA 1/ COMPLETE	MNNG 100 /TPA 1
Disposition Summary						
Animals Initially In Study	30	30	30	30	30	30
Early Deaths						
Moribund Sacrifice	1	22	22	25	17	20
Natural Death		2	6	4	4	2
Survivors						
Terminal Sacrifice	29	6	2	1	9	8
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	(28)	(6)	(5)	(6)	(2)	(7)
Acanthosis		12 [2.8]	10 [3.2]	10 [3.2]	2 [3.0]	
Alopecia						
Epithelium, Hyperplasia						2 [3.0]
Hair Follicle, Cyst						2

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)

Experiment Number: 05117-07

Test Type: INIT/PROMOT

Route: SKIN APPLICATION|DERMAL,SOLUTION

Species/Strain: Mouse/SEN CAR

P18: INCIDENCE RATES OF NON-NEOPLASTIC LESIONS BY ANATOMIC SITE (a) WITH AVERAGE SEVERITY GRADES[b]

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

CAS Number: INIT/PROM

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First Dose M/F: NA / NA

Lab: BAT

SEN CAR Mouse MALE	VEHICLE CONTROL	DMBA0.25 /TPA 1	DMBA 2.5 /TPA 1	DMBA 25 /TPA 1	TPA 1/ COMPLETE	MNNG 100 /TPA 1
Inflammation, Chronic Active		12 [3.8]	10 [4.0]	12 [4.0]	2 [4.0]	10 [3.0]
Ulcer		6 [4.0]	6 [4.0]	6 [4.0]	2 [4.0]	10 [4.0]
Ulcer, Multiple		6 [4.0]	4 [4.0]	4 [4.0]		
Skin, Control	(0)	(23)	(23)	(20)	(20)	(21)
Acanthosis		46 [2.1]	46 [2.2]	40 [2.3]	19 [2.5]	42 [2.2]
Hair Follicle, Cyst			2			
Inflammation, Chronic Active		34 [1.6]	32 [1.8]	34 [1.6]	11 [1.6]	32 [1.2]
Ulcer		4 [4.0]	4 [4.0]	4 [4.0]	2 [4.0]	
Ulcer, Multiple			2 [4.0]			
Skin, SOA-Mass	(0)	(8)	(14)	(21)	(1)	(10)
Acanthosis						2 [2.0]
Ulcer						2 [4.0]
Skin, SOA-No Mass	(2)	(30)	(30)	(29)	(30)	(30)
Acanthosis	2 [1.5]	60 [3.0]	60 [3.2]	58 [3.1]	30 [3.3]	46 [3.1]
Alopecia						
Hair Follicle, Cyst		10	12	18	15	20
Inflammation, Chronic Active	2 [1.0]	60 [3.4]	60 [3.5]	56 [3.4]	30 [3.1]	58 [2.8]
Ulcer		18 [4.0]	28 [4.0]	12 [4.0]	5 [4.0]	42 [3.9]
Ulcer, Multiple		24 [4.0]	18 [4.0]	30 [4.0]	13 [4.0]	

MUSCULOSKELETAL SYSTEM

None

NERVOUS SYSTEM

None

RESPIRATORY SYSTEM

None

SPECIAL SENSES 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)

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First Dose M/F: NA / NA

Lab: BAT

SENCAR Mouse MALE	VEHICLE CONTROL	DMBA0.25 /TPA 1	DMBA 2.5 /TPA 1	DMBA 25 /TPA 1	TPA 1/ COMPLETE	MNNG 100 /TPA 1
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)

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Lab: BAT

SENCAR Mouse MALE	MNNG1000 /TPA 1
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Disposition Summary

Animals Initially In Study	30
Early Deaths	
Moribund Sacrifice	26
Natural Death	3
Survivors	
Terminal Sacrifice	1
Animals Examined Microscopically	30

ALIMENTARY SYSTEM

None

CARDIOVASCULAR SYSTEM

None

ENDOCRINE SYSTEM

None

GENERAL BODY SYSTEM

None

GENITAL SYSTEM

None

HEMATOPOIETIC SYSTEM

None

INTEGUMENTARY SYSTEM

Skin	(6)
Acanthosis	
Alopecia	4
Epithelium, Hyperplasia	
Hair Follicle, Cyst	

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)

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First Dose M/F: NA / NA

Lab: BAT

SENCAR Mouse MALE	MNNG1000 /TPA 1
Inflammation, Chronic Active	8 [3.0]
Ulcer	8 [3.8]
Ulcer, Multiple	
Skin, Control	(12)
Acanthosis	24 [1.7]
Hair Follicle, Cyst	
Inflammation, Chronic Active	14 [1.3]
Ulcer	2 [4.0]
Ulcer, Multiple	
Skin, SOA-Mass	(20)
Acanthosis	
Ulcer	
Skin, SOA-No Mass	(29)
Acanthosis	42 [2.4]
Alopecia	2
Hair Follicle, Cyst	6
Inflammation, Chronic Active	58 [2.7]
Ulcer	42 [4.0]
Ulcer, Multiple	

MUSCULOSKELETAL SYSTEM

None

NERVOUS SYSTEM

None

RESPIRATORY SYSTEM

None

SPECIAL SENSES SYSTEM

None

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

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First Dose M/F: NA / NA

Lab: BAT

SENCAR Mouse MALE

MNNG1000 /TPA 1

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)

Experiment Number: 05117-07

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First Dose M/F: NA / NA

Lab: BAT

SENCAR Mouse FEMALE	VEHICLE CONTROL	DMBA0.25 /TPA 1	DMBA 2.5 /TPA 1	DMBA 25 /TPA 1	TPA 1/ COMPLETE	MNNG 100 /TPA 1
Disposition Summary						
Animals Initially In Study	30	30	30	30	30	30
Early Deaths						
Moribund Sacrifice	1	18	19	23	19	15
Natural Death	2	4	5	6	1	2
Survivors						
Terminal Sacrifice	27	8	6	1	10	13
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						
Mammary Gland	(1)	(0)	(0)	(0)	(0)	(0)
Skin	(29)	(3)	(4)	(2)	(2)	(3)
Acanthosis		4 [3.5]	6 [3.0]	2 [4.0]	1 [2.0]	
Alopecia					1	2
Inflammation, Chronic Active	1 [3.0]	4 [4.0]	6 [4.0]	4 [4.0]	1 [4.0]	4 [4.0]

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First Dose M/F: NA / NA

Lab: BAT

SENCAR Mouse FEMALE	VEHICLE CONTROL	DMBA0.25 /TPA 1	DMBA 2.5 /TPA 1	DMBA 25 /TPA 1	TPA 1/ COMPLETE	MNNG 100 /TPA 1
Ulcer	1 [4.0]	4 [4.0]	6 [4.0]	2 [4.0]	1 [4.0]	2 [4.0]
Skin, Control	(0)	(25)	(26)	(19)	(24)	(16)
Acanthosis		48 [2.2]	52 [2.6]	38 [1.9]	24 [2.3]	32 [2.3]
Hair Follicle, Cyst		4	2		1	
Inflammation, Chronic Active		46 [1.6]	46 [1.8]	18 [1.9]	19 [1.7]	30 [1.1]
Ulcer		2 [4.0]	4 [4.0]			
Ulcer, Multiple			2 [4.0]			
Skin, SOA-Mass	(0)	(9)	(20)	(25)	(2)	(16)
Acanthosis			2 [3.0]	2 [3.0]	1 [4.0]	2 [2.0]
Cyst Epithelial Inclusion						
Skin, SOA-No Mass	(1)	(30)	(30)	(28)	(30)	(29)
Acanthosis		60 [3.1]	60 [3.1]	56 [3.3]	30 [3.3]	48 [3.3]
Hair Follicle, Cyst		24	16	18	16	10
Inflammation, Chronic Active	1 [3.0]	60 [3.3]	60 [3.4]	54 [3.5]	30 [3.0]	56 [2.7]
Ulcer	1 [4.0]	16 [4.0]	30 [4.0]	26 [4.0]	5 [4.0]	38 [3.8]
Ulcer, Multiple		24 [4.0]	12 [4.0]	18 [4.0]	11 [4.0]	

MUSCULOSKELETAL SYSTEM

None

NERVOUS SYSTEM

None

RESPIRATORY SYSTEM

None

SPECIAL SENSES SYSTEM

None

URINARY SYSTEM

None

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

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First Dose M/F: NA / NA

Lab: BAT

SENCAR Mouse FEMALE	MNNG1000 /TPA 1
Disposition Summary	
Animals Initially In Study	30
Early Deaths	
Moribund Sacrifice	24
Natural Death	4
Survivors	
Terminal Sacrifice	2
Animals Examined Microscopically	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)
Skin	(6)
Acanthosis	6 [3.0]
Alopecia	
Inflammation, Chronic Active	12 [2.8]

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First Dose M/F: NA / NA

Lab: BAT

SENCAR Mouse FEMALE	MNNG1000 /TPA 1
Ulcer	10 [3.8]
Skin, Control	(14)
Acanthosis	22 [2.2]
Hair Follicle, Cyst	2
Inflammation, Chronic Active	20 [1.5]
Ulcer	4 [4.0]
Ulcer, Multiple	
Skin, SOA-Mass	(16)
Acanthosis	4 [2.0]
Cyst Epithelial Inclusion	2
Skin, SOA-No Mass	(28)
Acanthosis	48 [3.1]
Hair Follicle, Cyst	6
Inflammation, Chronic Active	46 [2.7]
Ulcer	34 [3.8]
Ulcer, Multiple	

MUSCULOSKELETAL SYSTEM

None

NERVOUS SYSTEM

None

RESPIRATORY SYSTEM

None

SPECIAL SENSES SYSTEM

None

URINARY SYSTEM

None

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**** END OF REPORT ****

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