

**Experiment Number:** 05117-03  
**Test Type:** INIT/PROMOT  
**Route:** SKIN APPLICATION  
**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:** 10/21/2014  
**Time Report Requested:** 07:06:07  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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

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 Lab: BAT

SENCAR Mouse MALE	VEHICLE CONTROL	DMBA0.25/ACETONE E	DMBA 2.5/ACETONE	DMBA 25/ACETONE	DMBA2.5/COMPLET E	BPO 20/ COMPLETE
<b>Disposition Summary</b>						
Animals Initially In Study	30	30	29	31	30	30
Early Deaths						
Moribund Sacrifice	1	1	1		15	5
Natural Death	1	2	1	1	4	2
Survivors						
Terminal Sacrifice	28	27	27	30	11	23
Animals Examined Microscopically	30	30	29	31	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)	(25)	(28)	(30)	(6)	(3)
Acanthosis			1 [3.0]	1 [3.0]	4 [2.5]	4 [3.3]
Hair Follicle, Cyst					1	
Inflammation, Chronic Active		1 [4.0]	1 [4.0]	1 [4.0]	4 [4.0]	4 [3.8]

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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SENCAR Mouse MALE	VEHICLE CONTROL	DMBA0.25/ACETONE E	DMBA 2.5/ACETONE	DMBA 25/ACETONE	DMBA2.5/COMPLETE E	BPO 20/ COMPLETE
Ulcer		1 [4.0]		1 [4.0]	2 [4.0]	3 [4.0]
Ulcer, Multiple			1 [4.0]		2 [4.0]	
Skin, Control	(1)	(0)	(2)	(0)	(9)	(20)
Acanthosis			2 [1.0]		7 [1.1]	19 [1.3]
Inflammation, Chronic Active	1 [1.0]		1 [1.0]		3 [1.3]	15 [1.3]
Skin, SOA-Mass	(0)	(0)	(0)	(0)	(27)	(0)
Acanthosis					1 [2.0]	
Cyst Epithelial Inclusion						
Skin, SOA-No Mass	(1)	(5)	(1)	(1)	(23)	(30)
Acanthosis	1 [2.0]	4 [1.0]	1 [1.0]	1 [1.0]	23 [2.0]	30 [1.9]
Hair Follicle, Cyst						
Inflammation, Chronic Active	1 [3.0]	2 [2.5]			18 [2.3]	29 [1.6]
Ulcer	1 [4.0]	1 [4.0]			4 [4.0]	
Ulcer, Multiple					2 [4.0]	
<b>MUSCULOSKELETAL SYSTEM</b>						
None						
<b>NERVOUS SYSTEM</b>						
None						
<b>RESPIRATORY SYSTEM</b>						
None						
<b>SPECIAL SENSES SYSTEM</b>						
None						
<b>URINARY SYSTEM</b>						
None						

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SENCAR Mouse MALE	DMBA0.25/ TPA 5	DMBA 2.5/ TPA 5	DMBA 25/ TPA 5	DMBA 2.5/ BPO 20	DMBA 25/ BPO 20
<b>Disposition Summary</b>					
Animals Initially In Study	30	30	30	30	30
Early Deaths					
Moribund Sacrifice				6	12
Natural Death				1	1
Survivors					
Terminal Sacrifice				23	17
Animals Examined Microscopically				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)	(0)	(0)	(2)	(8)
Acanthosis				2 [3.0]	6 [3.2]
Hair Follicle, Cyst					
Inflammation, Chronic Active				2 [3.5]	7 [3.9]
Ulcer				1 [4.0]	4 [4.0]

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**Lab:** BAT

SENCAR Mouse MALE	DMBA0.25/ TPA 5	DMBA 2.5/ TPA 5	DMBA 25/ TPA 5	DMBA 2.5/ BPO 20	DMBA 25/ BPO 20
Ulcer, Multiple				1 [4.0]	3 [4.0]
Skin, Control	(0)	(0)	(0)	(17)	(20)
Acanthosis				12 [1.1]	12 [1.2]
Inflammation, Chronic Active				15 [1.1]	19 [1.2]
Skin, SOA-Mass	(0)	(0)	(0)	(19)	(19)
Acanthosis					
Cyst Epithelial Inclusion					1
Skin, SOA-No Mass	(0)	(0)	(0)	(30)	(28)
Acanthosis				29 [1.8]	28 [2.1]
Hair Follicle, Cyst					1
Inflammation, Chronic Active				29 [1.8]	28 [2.2]
Ulcer				1 [4.0]	3 [4.0]
Ulcer, Multiple				2 [4.0]	4 [4.0]
<b>MUSCULOSKELETAL SYSTEM</b>					
None					
<b>NERVOUS SYSTEM</b>					
None					
<b>RESPIRATORY SYSTEM</b>					
None					
<b>SPECIAL SENSES SYSTEM</b>					
None					
<b>URINARY SYSTEM</b>					
None					

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

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 FEMALE	VEHICLE CONTROL	DMBA0.25/ACETONE E	DMBA 2.5/ACETONE	DMBA 25/ACETONE	DMBA2.5/COMPLET E	TPA 5/ COMPLETE
<b>Disposition Summary</b>						
Animals Initially In Study	30	30	31	29	30	30
Early Deaths						
Moribund Sacrifice	2	1	1	1	19	
Natural Death	1				1	
Survivors						
Terminal Sacrifice	27	29	30	28	10	
Animals Examined Microscopically	30	30	31	29	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	(27)	(27)	(25)	(26)	(3)	(0)
Acanthosis					3 [3.0]	
Alopecia						

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SENCAR Mouse FEMALE	VEHICLE CONTROL	DMBA0.25/ACETONE E	DMBA 2.5/ACETONE	DMBA 25/ACETONE	DMBA2.5/COMPLET E	TPA 5/ COMPLETE
Inflammation, Chronic Active Ulcer					3 [3.7] 2 [4.0]	
Ulcer, Multiple					1 [4.0]	
Skin, Control	(0)	(2)	(2)	(0)	(8)	(0)
Acanthosis			1 [1.0]		7 [1.1]	
Inflammation, Chronic Active Ulcer		2 [1.0]	2 [1.0]		5 [1.2]	
Skin, SOA-Mass	(0)	(0)	(0)	(0)	(29)	(0)
Skin, SOA-No Mass	(2)	(2)	(5)	(4)	(24)	(0)
Acanthosis		2 [1.0]	3 [1.7]	3 [1.0]	23 [2.1]	
Inflammation, Chronic Active Ulcer	2 [1.0]	2 [1.0]	5 [1.6]	3 [1.3]	22 [2.0] 3 [4.0]	
Ulcer, Multiple			1 [4.0]		1 [4.0]	
<b>MUSCULOSKELETAL SYSTEM</b>						
None						
<b>NERVOUS SYSTEM</b>						
None						
<b>RESPIRATORY SYSTEM</b>						
None						
<b>SPECIAL SENSES SYSTEM</b>						
None						
<b>URINARY SYSTEM</b>						
None						

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SENCAR Mouse FEMALE	BPO 20/ COMPLETE	DMBA0.25/ TPA 5	DMBA 2.5/ TPA 5	DMBA 25/ TPA 5	DMBA 2.5/ BPO 20	DMBA 25/ BPO 20
<b>Disposition Summary</b>						
Animals Initially In Study	30	30	30	30	30	30
Early Deaths						
Moribund Sacrifice	2				8	6
Natural Death					1	1
Survivors						
Terminal Sacrifice	28				21	23
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						
Mammary Gland	(1)	(0)	(0)	(0)	(0)	(0)
Skin	(1)	(0)	(0)	(0)	(2)	(6)
Acanthosis	1 [3.0]				2 [2.0]	3 [1.7]
Alopecia						1
Inflammation, Chronic Active	1 [4.0]				2 [4.0]	3 [4.0]

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**Lab:** BAT

SENCAR Mouse FEMALE	BPO 20/ COMPLETE	DMBA0.25/ TPA 5	DMBA 2.5/ TPA 5	DMBA 25/ TPA 5	DMBA 2.5/ BPO 20	DMBA 25/ BPO 20
Ulcer					2 [4.0]	3 [4.0]
Ulcer, Multiple	1 [4.0]					
Skin, Control	(21)	(0)	(0)	(0)	(27)	(22)
Acanthosis	4 [1.3]				18 [1.3]	15 [1.1]
Inflammation, Chronic Active	21 [1.2]				27 [1.1]	22 [1.0]
Ulcer	1 [4.0]					
Skin, SOA-Mass	(0)	(0)	(0)	(0)	(22)	(20)
Skin, SOA-No Mass	(29)	(0)	(0)	(0)	(30)	(28)
Acanthosis	16 [1.3]				25 [1.8]	27 [1.4]
Inflammation, Chronic Active	28 [1.1]				30 [1.9]	27 [1.4]
Ulcer					3 [4.0]	1 [4.0]
Ulcer, Multiple					1 [4.0]	1 [4.0]

MUSCULOSKELETAL SYSTEM

None

NERVOUS SYSTEM

None

RESPIRATORY SYSTEM

None

SPECIAL SENSES SYSTEM

None

URINARY SYSTEM

None

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

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