

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

**P03: INCIDENCE RATES OF NON-NEOPLASTIC LESIONS BY ANATOMIC SITE (a)**

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

**CAS Number:** INIT/PROM

**Date Report Requested:** 10/22/2014

**Time Report Requested:** 18:10:40

**First Dose M/F:** NA / NA

**Lab:** BAT

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

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**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
<b>Disposition Summary</b>						
<b>Animals Initially In Study</b>	30	30	30	30	30	30
<b>Early Deaths</b>						
<b>Moribund Sacrifice</b>	1	22	22	25	17	20
<b>Natural Death</b>		2	6	4	4	2
<b>Survivors</b>						
<b>Terminal Sacrifice</b>	29	6	2	1	9	8
<b>Animals Examined Microscopically</b>	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 (200%)	10 (200%)	10 (167%)	2 (100%)	
Alopecia						
Epithelium, Hyperplasia						2 (29%)
Hair Follicle, Cyst						2 (29%)

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

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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
Inflammation, Chronic Active		12 (200%)	10 (200%)	12 (200%)	2 (100%)	10 (143%)
Ulcer		6 (100%)	6 (120%)	6 (100%)	2 (100%)	10 (143%)
Ulcer, Multiple		6 (100%)	4 (80%)	4 (67%)		
Skin, Control	(0)	(23)	(23)	(20)	(20)	(21)
Acanthosis		46 (200%)	46 (200%)	40 (200%)	19 (95%)	42 (200%)
Hair Follicle, Cyst			2 (9%)			
Inflammation, Chronic Active		34 (148%)	32 (139%)	34 (170%)	11 (55%)	32 (152%)
Ulcer		4 (17%)	4 (17%)	4 (20%)	2 (10%)	
Ulcer, Multiple			2 (9%)			
Skin, SOA-Mass	(0)	(8)	(14)	(21)	(1)	(10)
Acanthosis						2 (20%)
Ulcer						2 (20%)
Skin, SOA-No Mass	(2)	(30)	(30)	(29)	(30)	(30)
Acanthosis	2 (100%)	60 (200%)	60 (200%)	58 (200%)	30 (100%)	46 (153%)
Alopecia						
Hair Follicle, Cyst		10 (33%)	12 (40%)	18 (62%)	15 (50%)	20 (67%)
Inflammation, Chronic Active	2 (100%)	60 (200%)	60 (200%)	56 (193%)	30 (100%)	58 (193%)
Ulcer		18 (60%)	28 (93%)	12 (41%)	5 (17%)	42 (140%)
Ulcer, Multiple		24 (80%)	18 (60%)	30 (103%)	13 (43%)	

MUSCULOSKELETAL SYSTEM

None

NERVOUS SYSTEM

None

RESPIRATORY SYSTEM

None

SPECIAL SENSES SYSTEM

None

URINARY SYSTEM

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

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<b>SENCAR Mouse MALE</b>	<b>VEHICLE CONTROL</b>	<b>DMBA0.25 /TPA 1</b>	<b>DMBA 2.5 /TPA 1</b>	<b>DMBA 25 /TPA 1</b>	<b>TPA 1/ COMPLETE</b>	<b>MNNG 100 /TPA 1</b>
None						

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

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**Lab:** BAT

SENCAR Mouse MALE	MNNG1000 /TPA 1
<b>Disposition Summary</b>	
<b>Animals Initially In Study</b>	<b>30</b>
<b>Early Deaths</b>	
<b>Moribund Sacrifice</b>	<b>26</b>
<b>Natural Death</b>	<b>3</b>
<b>Survivors</b>	
<b>Terminal Sacrifice</b>	<b>1</b>
<b>Animals Examined Microscopically</b>	<b>30</b>
<hr/>	
ALIMENTARY SYSTEM	
None	
<hr/>	
CARDIOVASCULAR SYSTEM	
None	
<hr/>	
ENDOCRINE SYSTEM	
None	
<hr/>	
GENERAL BODY SYSTEM	
None	
<hr/>	
GENITAL SYSTEM	
None	
<hr/>	
HEMATOPOIETIC SYSTEM	
None	
<hr/>	
INTEGUMENTARY SYSTEM	
Skin	(6)
Acanthosis	
Alopecia	4 (67%)
Epithelium, Hyperplasia	
Hair Follicle, Cyst	

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

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**Species/Strain:** Mouse/SENCAR

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**First Dose M/F:** NA / NA

**Lab:** BAT

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<b>SENCAR Mouse MALE</b>	<b>MNNG1000 /TPA 1</b>
Inflammation, Chronic Active Ulcer Ulcer, Multiple	8 (133%) 8 (133%)
Skin, Control	(12)
Acanthosis Hair Follicle, Cyst	24 (200%)
Inflammation, Chronic Active Ulcer Ulcer, Multiple	14 (117%) 2 (17%)
Skin, SOA-Mass Acanthosis Ulcer	(20)
Skin, SOA-No Mass Acanthosis Alopecia Hair Follicle, Cyst	(29) 42 (145%) 2 (7%) 6 (21%)
Inflammation, Chronic Active Ulcer Ulcer, Multiple	58 (200%) 42 (145%)
<hr/>	
MUSCULOSKELETAL SYSTEM	
None	
<hr/>	
NERVOUS SYSTEM	
None	
<hr/>	
RESPIRATORY SYSTEM	
None	
<hr/>	
SPECIAL SENSES SYSTEM	
None	
<hr/>	
URINARY SYSTEM	

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

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SENCAR Mouse MALE	MNNG1000 /TPA 1
None	

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

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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
<b>Disposition Summary</b>						
<b>Animals Initially In Study</b>	<b>30</b>	<b>30</b>	<b>30</b>	<b>30</b>	<b>30</b>	<b>30</b>
<b>Early Deaths</b>						
<b>Moribund Sacrifice</b>	<b>1</b>	<b>18</b>	<b>19</b>	<b>23</b>	<b>19</b>	<b>15</b>
<b>Natural Death</b>	<b>2</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>1</b>	<b>2</b>
<b>Survivors</b>						
<b>Terminal Sacrifice</b>	<b>27</b>	<b>8</b>	<b>6</b>	<b>1</b>	<b>10</b>	<b>13</b>
<b>Animals Examined Microscopically</b>	<b>30</b>	<b>30</b>	<b>30</b>	<b>30</b>	<b>30</b>	<b>30</b>
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 (133%)	6 (150%)	2 (100%)	1 (50%)	
Alopecia					1 (50%)	2 (67%)
Inflammation, Chronic Active	1 (3%)	4 (133%)	6 (150%)	4 (200%)	1 (50%)	4 (133%)

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



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First Dose M/F: NA / NA

Species/Strain: Mouse/SENCAR

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 (3%)	4 (133%)	6 (150%)	2 (100%)	1 (50%)	2 (67%)
Skin, Control	(0)	(25)	(26)	(19)	(24)	(16)
Acanthosis		48 (192%)	52 (200%)	38 (200%)	24 (100%)	32 (200%)
Hair Follicle, Cyst		4 (16%)	2 (8%)		1 (4%)	
Inflammation, Chronic Active		46 (184%)	46 (177%)	18 (95%)	19 (79%)	30 (188%)
Ulcer		2 (8%)	4 (15%)			
Ulcer, Multiple			2 (8%)			
Skin, SOA-Mass	(0)	(9)	(20)	(25)	(2)	(16)
Acanthosis			2 (10%)	2 (8%)	1 (50%)	2 (13%)
Cyst Epithelial Inclusion						
Skin, SOA-No Mass	(1)	(30)	(30)	(28)	(30)	(29)
Acanthosis		60 (200%)	60 (200%)	56 (200%)	30 (100%)	48 (166%)
Hair Follicle, Cyst		24 (80%)	16 (53%)	18 (64%)	16 (53%)	10 (34%)
Inflammation, Chronic Active	1 (100%)	60 (200%)	60 (200%)	54 (193%)	30 (100%)	56 (193%)
Ulcer	1 (100%)	16 (53%)	30 (100%)	26 (93%)	5 (17%)	38 (131%)
Ulcer, Multiple		24 (80%)	12 (40%)	18 (64%)	11 (37%)	

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

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**Lab:** BAT

SENCAR Mouse FEMALE	MNNG1000 /TPA 1
<b>Disposition Summary</b>	
<b>Animals Initially In Study</b>	<b>30</b>
<b>Early Deaths</b>	
<b>Moribund Sacrifice</b>	<b>24</b>
<b>Natural Death</b>	<b>4</b>
<b>Survivors</b>	
<b>Terminal Sacrifice</b>	<b>2</b>
<b>Animals Examined Microscopically</b>	<b>30</b>
<hr/>	
ALIMENTARY SYSTEM	
None	
<hr/>	
CARDIOVASCULAR SYSTEM	
None	
<hr/>	
ENDOCRINE SYSTEM	
None	
<hr/>	
GENERAL BODY SYSTEM	
None	
<hr/>	
GENITAL SYSTEM	
None	
<hr/>	
HEMATOPOIETIC SYSTEM	
None	
<hr/>	
INTEGUMENTARY SYSTEM	
Mammary Gland	(0)
Skin	(6)
Acanthosis	6 (100%)
Alopecia	
Inflammation, Chronic Active	12 (200%)

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**Lab:** BAT

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<b>SENCAR Mouse FEMALE</b>	<b>MNNG1000 /TPA 1</b>
Ulcer	10 (167%)
Skin, Control	(14)
Acanthosis	22 (157%)
Hair Follicle, Cyst	2 (14%)
Inflammation, Chronic Active	20 (143%)
Ulcer	4 (29%)
Ulcer, Multiple	
Skin, SOA-Mass	(16)
Acanthosis	4 (25%)
Cyst Epithelial Inclusion	2 (13%)
Skin, SOA-No Mass	(28)
Acanthosis	48 (171%)
Hair Follicle, Cyst	6 (21%)
Inflammation, Chronic Active	46 (164%)
Ulcer	34 (121%)
Ulcer, Multiple	

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MUSCULOSKELETAL SYSTEM

None

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NERVOUS SYSTEM

None

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RESPIRATORY SYSTEM

None

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SPECIAL SENSES SYSTEM

None

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URINARY SYSTEM

None

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

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