

Experiment Number: 05117-03
Test Type: INIT/PROMOT
Route: SKIN APPLICATION
Species/Strain: Mouse/SENCAR

P05: INCIDENCE RATES OF NEOPLASMS BY ANATOMIC SITE (SYSTEMIC LESIONS ABRIDGED) (a)

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

Date Report Requested: 10/21/2014
Time Report Requested: 07:07:45
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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 First Dose M/F: NA / NA
 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
Disposition Summary						
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)
Squamous Cell Papilloma			1 (4%)		2 (33%)	
Skin, Control	(1)	(0)	(2)	(0)	(9)	(20)

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

b - Primary tumors: all tumors except metastatic tumors

* Number of animals with any tissue examined microscopically

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SENCAR Mouse MALE	VEHICLE CONTROL	DMBA0.25/ACETONE E	DMBA 2.5/ACETONE	DMBA 25/ACETONE	DMBA2.5/COMPLET E	BPO 20/ COMPLETE
Skin, SOA-Mass	(0)	(0)	(0)	(0)	(27)	(0)
Keratoacanthoma					3 (11%)	
Keratoacanthoma, Multiple						
Squamous Cell Carcinoma					14 (52%)	
Squamous Cell Carcinoma, Multiple					13 (48%)	
Squamous Cell Papilloma					5 (19%)	
Squamous Cell Papilloma, Multiple					1 (4%)	
Subcut Tiss, Fibrosarcoma						
Skin, SOA-No Mass	(1)	(5)	(1)	(1)	(23)	(30)
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 - Primary tumors: all tumors except metastatic tumors

* Number of animals with any tissue examined microscopically

Experiment Number: 05117-03
 Test Type: INIT/PROMOT
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 Species/Strain: Mouse/SEN CAR

P05: INCIDENCE RATES OF NEOPLASMS BY ANATOMIC SITE (SYSTEMIC LESIONS ABRIDGED) (a)

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

CAS Number: INIT/PROM

Date Report Requested: 10/21/2014
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 First Dose M/F: NA / NA
 Lab: BAT

SEN CAR Mouse MALE	DMBA0.25/ TPA 5	DMBA 2.5/ TPA 5	DMBA 25/ TPA 5	DMBA 2.5/ BPO 20	DMBA 25/ BPO 20
Disposition Summary					
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)
Squamous Cell Papilloma					1 (13%)
Skin, Control	(0)	(0)	(0)	(17)	(20)
Skin, SOA-Mass	(0)	(0)	(0)	(19)	(19)

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

b - Primary tumors: all tumors except metastatic tumors

* Number of animals with any tissue examined microscopically

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First Dose M/F: NA / NA
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
Keratoacanthoma				1 (5%)	3 (16%)
Keratoacanthoma, Multiple				1 (5%)	
Squamous Cell Carcinoma				8 (42%)	8 (42%)
Squamous Cell Carcinoma, Multiple				3 (16%)	5 (26%)
Squamous Cell Papilloma				2 (11%)	6 (32%)
Squamous Cell Papilloma, Multiple				10 (53%)	5 (26%)
Subcut Tiss, Fibrosarcoma					1 (5%)
Skin, SOA-No Mass	(0)	(0)	(0)	(30)	(28)
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 - Primary tumors: all tumors except metastatic tumors

* Number of animals with any tissue examined microscopically

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First Dose M/F: NA / NA
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
Tumor Summary for MALE						
Total Animals with Primary Neoplasms (b)			1		28	
Total Primary Neoplasms			1		38	
Total Animals with Benign Neoplasms			1		9	
Total Benign Neoplasms			1		11	
Total Animals with Malignant Neoplasms					27	
Total Malignant Neoplasms					27	
Total Animals with Metastatic Neoplasms						
Total Metastatic Neoplasms						
Total Animals with Malignant Neoplasms Uncertain Primary Site						
Total Animals with Neoplasms Uncertain - Benign or Malignant						
Total Uncertain Neoplasms						

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

b - Primary tumors: all tumors except metastatic tumors

* Number of animals with any tissue examined microscopically

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**P05: INCIDENCE RATES OF NEOPLASMS BY ANATOMIC SITE (SYSTEMIC LESIONS
ABRIDGED) (a)**

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

CAS Number: INIT/PROM

Date Report Requested: 10/21/2014
Time Report Requested: 07:07:45
First Dose M/F: NA / NA
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
Tumor Summary for MALE					
Total Animals with Primary Neoplasms (b)				19	18
Total Primary Neoplasms				25	29
Total Animals with Benign Neoplasms				13	12
Total Benign Neoplasms				14	15
Total Animals with Malignant Neoplasms				11	14
Total Malignant Neoplasms				11	14
Total Animals with Metastatic Neoplasms					
Total Metastatic Neoplasms					
Total Animals with Malignant Neoplasms Uncertain Primary Site					
Total Animals with Neoplasms Uncertain - Benign or Malignant					
Total Uncertain Neoplasms					

END OF MALE DATA

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

b - Primary tumors: all tumors except metastatic tumors

* Number of animals with any tissue examined microscopically

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

Date Report Requested: 10/21/2014
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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
Disposition Summary						
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)
Adenocarcinoma	1 (100%)					
Skin	(27)	(27)	(25)	(26)	(3)	(0)

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

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* Number of animals with any tissue examined microscopically

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SENCAR Mouse FEMALE	VEHICLE CONTROL	DMBA0.25/ACETONE E	DMBA 2.5/ACETONE	DMBA 25/ACETONE	DMBA2.5/COMPLETE E	TPA 5/ COMPLETE
Squamous Cell Carcinoma						
Squamous Cell Papilloma				1 (4%)		
Skin, Control	(0)	(2)	(2)	(0)	(8)	(0)
Skin, SOA-Mass	(0)	(0)	(0)	(0)	(29)	(0)
Basal Cell Carcinoma					1 (3%)	
Keratoacanthoma					1 (3%)	
Keratoacanthoma, Multiple					1 (3%)	
Sebaceous GI, Adenoma						
Squamous Cell Carcinoma					17 (59%)	
Squamous Cell Carcinoma, Multiple					12 (41%)	
Squamous Cell Papilloma					3 (10%)	
Squamous Cell Papilloma, Multiple					6 (21%)	
Subcut Tiss, Fibrosarcoma					1 (3%)	
Skin, SOA-No Mass	(2)	(2)	(5)	(4)	(24)	(0)
MUSCULOSKELETAL SYSTEM						
None						
NERVOUS SYSTEM						
None						
RESPIRATORY SYSTEM						
None						
SPECIAL SENSES SYSTEM						
None						
URINARY SYSTEM						
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
Disposition Summary						
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)
Adenocarcinoma	1 (100%)					
Skin	(1)	(0)	(0)	(0)	(2)	(6)
Squamous Cell Carcinoma						1 (17%)

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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
Squamous Cell Papilloma						
Skin, Control	(21)	(0)	(0)	(0)	(27)	(22)
Skin, SOA-Mass	(0)	(0)	(0)	(0)	(22)	(20)
Basal Cell Carcinoma						
Keratoacanthoma					4 (18%)	4 (20%)
Keratoacanthoma, Multiple					1 (5%)	1 (5%)
Sebaceous GI, Adenoma						1 (5%)
Squamous Cell Carcinoma					11 (50%)	9 (45%)
Squamous Cell Carcinoma, Multiple					3 (14%)	2 (10%)
Squamous Cell Papilloma					6 (27%)	8 (40%)
Squamous Cell Papilloma, Multiple					5 (23%)	8 (40%)
Subcut Tiss, Fibrosarcoma						
Skin, SOA-No Mass	(29)	(0)	(0)	(0)	(30)	(28)
MUSCULOSKELETAL SYSTEM						
None						
NERVOUS SYSTEM						
None						
RESPIRATORY SYSTEM						
None						
SPECIAL SENSES SYSTEM						
None						
URINARY SYSTEM						
None						

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SENCAR Mouse FEMALE	VEHICLE CONTROL	DMBA0.25/ACETONE E	DMBA 2.5/ACETONE	DMBA 25/ACETONE	DMBA2.5/COMPLETE E	TPA 5/ COMPLETE
Tumor Summary for FEMALE						
Total Animals with Primary Neoplasms (b)	1			1		29
Total Primary Neoplasms	1			1		42
Total Animals with Benign Neoplasms				1		9
Total Benign Neoplasms				1		11
Total Animals with Malignant Neoplasms	1					29
Total Malignant Neoplasms	1					31
Total Animals with Metastatic Neoplasms						
Total Metastatic Neoplasms						
Total Animals with Malignant Neoplasms Uncertain Primary Site						
Total Animals with Neoplasms Uncertain - Benign or Malignant						
Total Uncertain Neoplasms						

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

b - Primary tumors: all tumors except metastatic tumors

* Number of animals with any tissue examined microscopically

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First Dose M/F: NA / NA
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
Tumor Summary for FEMALE						
Total Animals with Primary Neoplasms (b)	1				22	20
Total Primary Neoplasms	1				30	34
Total Animals with Benign Neoplasms					14	18
Total Benign Neoplasms					16	22
Total Animals with Malignant Neoplasms	1				14	11
Total Malignant Neoplasms	1				14	12
Total Animals with Metastatic Neoplasms						
Total Metastatic Neoplasms						
Total Animals with Malignant Neoplasms Uncertain Primary Site						
Total Animals with Neoplasms Uncertain - Benign or Malignant						
Total Uncertain Neoplasms						

**** END OF REPORT ****

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

b - Primary tumors: all tumors except metastatic tumors

* Number of animals with any tissue examined microscopically