

Experiment Number: 05117-05
Test Type: INIT/PROMOT
Route: SKIN APPLICATION
Species/Strain: Mouse/CD-1 CRL

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: 10/19/2014

Time Report Requested: 17:42:06

First Dose M/F: NA / NA

Lab: BAT

C Number:	C61994B
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	04/28/1994

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Lab: BAT

CD-1 CRL Mouse MALE	VEHICLE CONTROL	MNNG 100/ACETONE	MNNG 500/ACETONE	MNNG1000/ACETON E	TPA 5 COMPLETE	MNNG100/COMPLET E
Disposition Summary						
Animals Initially In Study	30	30	30	30	30	30
Early Deaths						
Moribund Sacrifice	3	1	12	19	11	15
Natural Death		1	1	2	2	1
Survivors						
Terminal Sacrifice	27	28	17	9	17	14
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	(27)	(22)	(15)	(14)	(9)	(7)
Acanthosis			1 (7%)	3 (21%)		1 (14%)
Alopecia						
Inflammation, Chronic Active	2 (7%)	2 (9%)	7 (47%)	10 (71%)	5 (56%)	5 (71%)
Subcut Tiss, Edema						

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

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Lab: BAT

CD-1 CRL Mouse MALE	VEHICLE CONTROL	MNNG 100/ACETONE	MNNG 500/ACETONE	MNNG1000/ACETON E	TPA 5 COMPLETE	MNNG100/COMPLET E
Subcut Tiss, Infiltration Cellular, Mixed Cell				1 (7%)		
Ulcer	2 (7%)	2 (9%)	7 (47%)	9 (64%)	8 (89%)	6 (86%)
Skin, Control	(0)	(0)	(0)	(2)	(12)	(16)
Acanthosis				2 (100%)	12 (100%)	15 (94%)
Inflammation, Chronic Active					3 (25%)	5 (31%)
Ulcer						
Skin, SOA-Mass	(0)	(1)	(4)	(13)	(5)	(21)
Acanthosis		1 (100%)		2 (15%)	1 (20%)	2 (10%)
Hyperplasia, Mast Cell			1 (25%)			
Sebaceous Gl, Hyperplasia						
Ulcer						
Skin, SOA-No Mass	(4)	(8)	(18)	(23)	(30)	(29)
Acanthosis	4 (100%)	7 (88%)	13 (72%)	16 (70%)	30 (100%)	29 (100%)
Hair Follicle, Cyst						
Hemorrhage						
Inflammation, Chronic Active	2 (50%)	2 (25%)	13 (72%)	21 (91%)	24 (80%)	19 (66%)
Ulcer	2 (50%)	3 (38%)	9 (50%)	9 (39%)	8 (27%)	9 (31%)
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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CD-1 CRL Mouse MALE

VEHICLE CONTROL

**MNNG
100/ACETONE**

**MNNG
500/ACETONE**

**MNNG1000/ACETON
E**

TPA 5 COMPLETE

**MNNG100/COMPLET
E**

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

CD-1 CRL Mouse MALE	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	30	30	30	30	30	30
Early Deaths						
Moribund Sacrifice	9	3	9	17	17	22
Natural Death	1	1	3	5	3	4
Survivors						
Terminal Sacrifice	20	26	18	8	10	4
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	(13)	(10)	(7)	(14)	(14)	(12)
Acanthosis	1 (8%)		2 (29%)	2 (14%)	2 (14%)	2 (17%)
Alopecia			2 (29%)			
Inflammation, Chronic Active	9 (69%)	6 (60%)	6 (86%)	20 (143%)	24 (171%)	20 (167%)
Subcut Tiss, Edema						2 (17%)

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

CD-1 CRL Mouse MALE	BPO 20 COMPLETE	MNNG 100/BPO 20	MNNG 500/BPO 20	MNNG1000/BPO 20	MNNG 100/TPA 5	MNNG1000/TPA 5
Subcut Tiss, Infiltration Cellular, Mixed Cell						2 (17%)
Ulcer	9 (69%)	6 (60%)	10 (143%)	22 (157%)	26 (186%)	20 (167%)
Skin, Control	(8)	(4)	(2)	(11)	(21)	(15)
Acanthosis	8 (100%)	8 (200%)	4 (200%)	22 (200%)	42 (200%)	28 (187%)
Inflammation, Chronic Active	5 (63%)		2 (100%)	10 (91%)	36 (171%)	24 (160%)
Ulcer						2 (13%)
Skin, SOA-Mass	(1)	(1)	(5)	(16)	(10)	(20)
Acanthosis	1 (100%)					
Hyperplasia, Mast Cell						
Sebaceous Gl, Hyperplasia			2 (40%)			
Ulcer						2 (10%)
Skin, SOA-No Mass	(25)	(23)	(27)	(28)	(30)	(29)
Acanthosis	25 (100%)	44 (191%)	50 (185%)	50 (179%)	58 (193%)	56 (193%)
Hair Follicle, Cyst				2 (7%)		4 (14%)
Hemorrhage				2 (7%)		
Inflammation, Chronic Active	15 (60%)	22 (96%)	40 (148%)	40 (143%)	56 (187%)	50 (172%)
Ulcer	3 (12%)	14 (61%)	16 (59%)	20 (71%)	22 (73%)	16 (55%)
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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Date Report Requested: 10/19/2014

Time Report Requested: 17:42:06

First Dose M/F: NA / NA

Lab: BAT

END OF MALE DATA

Experiment Number: 051117-05
Test Type: INIT/PROMOT
Route: SKIN APPLICATION
Species/Strain: Mouse/CD-1 CRL

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: 10/19/2014
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First Dose M/F: NA / NA
Lab: BAT

CD-1 CRL Mouse FEMALE	VEHICLE CONTROL	MNNG 100/ACETONE	MNNG 500/ACETONE	MNNG1000/ACETON E	TPA 5 COMPLETE	MNNG100/COMPLET E
Disposition Summary						
Animals Initially In Study	30	30	30	30	30	30
Early Deaths						
Moribund Sacrifice	2	1	2	13	4	9
Natural Death	1		1	2	1	2
Survivors						
Terminal Sacrifice	27	29	26	15	23	19
Other			1		2	
Animals Examined Microscopically	30	30	29	30	28	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)	(10)	(8)	(4)	(4)
Acanthosis				2 (25%)	1 (25%)	
Alopecia				1 (13%)		
Hair Follicle, Cyst						

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

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CD-1 CRL Mouse FEMALE	VEHICLE CONTROL	MNNG 100/ACETONE	MNNG 500/ACETONE	MNNG1000/ACETON E	TPA 5 COMPLETE	MNNG100/COMPLET E
Inflammation, Chronic Active Subcut Tiss, Infiltration Cellular, Mixed Cell Ulcer	1 (3%)			7 (88%) 1 (13%)		1 (25%)
Skin, Control Acanthosis Inflammation, Chronic Active Ulcer	1 (3%) (0)	(0)	(4)	(2)	2 (50%) (18)	3 (75%) (22)
Skin, SOA-Mass Acanthosis Ulcer	(0)	(0)	(7)	(9)	(5)	(20)
Skin, SOA-No Mass Acanthosis Hair Follicle, Cyst Hemorrhage Inflammation, Chronic Active Ulcer	(2) 2 (100%)	(9) 7 (78%)	(14) 14 (100%)	(26) 22 (85%)	(28) 27 (96%)	(27) 27 (100%)
			2 (14%)	2 (8%)		1 (4%)
	1 (50%)	6 (67%)	13 (93%)	19 (73%)	25 (89%)	27 (100%)
	1 (50%)	1 (11%)	2 (14%)	6 (23%)	7 (25%)	7 (26%)
MUSCULOSKELETAL SYSTEM						
None						
NERVOUS SYSTEM						
None						
RESPIRATORY SYSTEM						
None						
SPECIAL SENSES SYSTEM						
None						
URINARY SYSTEM						
None						

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Disposition Summary						
Animals Initially In Study	30	30	30	30	30	30
Early Deaths						
Moribund Sacrifice	1	2	9	10	6	13
Natural Death			1	3	2	2
Survivors						
Terminal Sacrifice	29	28	20	17	22	14
Other						1
Animals Examined Microscopically	30	30	30	30	30	29
ALIMENTARY SYSTEM						
None						
CARDIOVASCULAR SYSTEM						
None						
ENDOCRINE SYSTEM						
None						
GENERAL BODY SYSTEM						
None						
GENITAL SYSTEM						
None						
HEMATOPOIETIC SYSTEM						
None						
INTEGUMENTARY SYSTEM						
Skin	(9)	(4)	(5)	(8)	(3)	(5)
Acanthosis		2 (50%)		2 (25%)		
Alopecia			2 (40%)			
Hair Follicle, Cyst		2 (50%)				

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

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CD-1 CRL Mouse FEMALE	BPO 20 COMPLETE	MNNG 100/BPO 20	MNNG 500/BPO 20	MNNG1000/BPO 20	MNNG 100/TPA 5	MNNG1000/TPA 5
Inflammation, Chronic Active Subcut Tiss, Infiltration Cellular, Mixed Cell Ulcer		4 (100%)	6 (120%)	6 (75%)	6 (200%)	8 (160%)
Skin, Control	(5)	(4)	(12)	(7)	(10)	(12)
Acanthosis	5 (100%)	6 (150%)	24 (200%)	14 (200%)	20 (200%)	24 (200%)
Inflammation, Chronic Active Ulcer	2 (40%)	8 (200%)	20 (167%)	6 (86%)	16 (160%)	18 (150%)
Skin, SOA-Mass	(0)	(3)	(12)	(12)	(16)	(14)
Acanthosis Ulcer					2 (13%)	
Skin, SOA-No Mass	(21)	(28)	(28)	(26)	(29)	(29)
Acanthosis	21 (100%)	56 (200%)	56 (200%)	48 (185%)	52 (179%)	52 (179%)
Hair Follicle, Cyst Hemorrhage						2 (7%)
Inflammation, Chronic Active Ulcer	16 (76%)	52 (186%)	52 (186%)	40 (154%)	60 (207%)	54 (186%)
	2 (10%)		4 (14%)	10 (38%)	16 (55%)	18 (62%)

MUSCULOSKELETAL SYSTEM

None

NERVOUS SYSTEM

None

RESPIRATORY SYSTEM

None

SPECIAL SENSES SYSTEM

None

URINARY SYSTEM

None

**** END OF REPORT ****

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