

**Experiment Number:** 05117-02  
**Test Type:** INIT/PROMOT  
**Route:** DERMAL,SOLUTION|SKIN APPLICATION  
**Species/Strain:** Mouse/CD-1 CRL

**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:** 10/16/2014  
**Time Report Requested:** 17:47:31  
**First Dose M/F:** NA / NA  
**Lab:** BAT

<b>C Number:</b>	C61994B
<b>Lock Date:</b>	04/07/1992
<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>	04/27/1994

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**Species/Strain:** Mouse/CD-1 CRL

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**Lab:** BAT

CD-1 CRL Mouse MALE	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	30	30	30	30
Early Deaths						
Moribund Sacrifice	1	2	1	1	7	9
Natural Death	2	3		1	4	
Survivors						
Terminal Sacrifice	27	25	29	28	19	21
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	(25)	(22)	(25)	(23)	(5)	(10)
Acanthosis	2 [3.0]	4 [3.0]	2 [3.0]	3 [2.7]	2 [2.0]	10 [2.7]
Alopecia					1	1
Cyst Epithelial Inclusion						

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

CD-1 CRL Mouse MALE	VEHICLE CONTROL	DMBA0.25/ACETONE E	DMBA 2.5/ACETONE	DMBA 25/ACETONE	DMBA2.5/COMPLETE E	TPA 5/ COMPLETE
Hair Follicle, Cyst						
Inflammation, Chronic Active	2 [4.0]	4 [4.0]	2 [4.0]	3 [4.0]	5 [4.0]	10 [4.0]
Ulcer	1 [4.0]	1 [4.0]		2 [4.0]	5 [4.0]	1 [4.0]
Ulcer, Multiple	1 [4.0]	3 [4.0]	2 [4.0]			9 [4.0]
Skin, Control	(2)	(1)	(1)	(1)	(9)	(23)
Acanthosis	1 [1.0]		1 [1.0]	1 [2.0]	7 [1.1]	19 [1.8]
Inflammation, Chronic Active	1 [1.0]	1 [3.0]		1 [1.0]	7 [1.1]	22 [1.5]
Ulcer						
Skin, SOA-Mass	(0)	(1)	(0)	(1)	(24)	(3)
Acanthosis					1 [3.0]	
Skin, SOA-No Mass	(4)	(8)	(5)	(7)	(28)	(30)
Acanthosis	4 [2.0]	8 [2.5]	4 [2.0]	5 [1.8]	26 [2.4]	31 [2.7]
Alopecia						
Hair Follicle, Cyst						
Inflammation, Chronic Active	4 [2.5]	7 [2.4]	5 [2.2]	5 [1.2]	25 [2.4]	30 [2.9]
Ulcer	1 [4.0]				9 [4.0]	7 [4.0]
Ulcer, Multiple	1 [4.0]	2 [4.0]			1 [4.0]	7 [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>						

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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**Species/Strain:** Mouse/CD-1 CRL

**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

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**CD-1 CRL Mouse MALE**

**VEHICLE CONTROL**

**DMBA0.25/ACETON  
E**

**DMBA 2.5/ACETONE**

**DMBA 25/ACETONE**

**DMBA2.5/COMPLET  
E**

**TPA 5/ COMPLETE**

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None

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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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 CAS Number: INIT/PROM

Date Report Requested: 10/16/2014  
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 First Dose M/F: NA / NA  
 Lab: BAT

CD-1 CRL Mouse MALE	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	6	8	13	2	6
Natural Death	3	4	7	2	1	
Survivors						
Terminal Sacrifice	25	20	15	15	27	24
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	(5)	(9)	(9)	(10)	(5)	(9)
Acanthosis	3 [3.0]	8 [2.6]	8 [2.8]	10 [3.0]	3 [3.3]	7 [3.1]
Alopecia		1		1		
Cyst Epithelial Inclusion		1		1		
Hair Follicle, Cyst						1

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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**Time Report Requested:** 17:47:32  
**First Dose M/F:** NA / NA  
**Lab:** BAT

CD-1 CRL Mouse MALE	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
Inflammation, Chronic Active	3 [4.0]	8 [4.0]	8 [3.8]	10 [4.0]	3 [3.7]	7 [4.0]
Ulcer	1 [4.0]	4 [4.0]	5 [4.0]	2 [4.0]		2 [4.0]
Ulcer, Multiple	2 [4.0]	3 [4.0]	2 [4.0]	8 [4.0]	2 [4.0]	5 [4.0]
Skin, Control	(11)	(14)	(10)	(19)	(10)	(12)
Acanthosis	9 [1.2]	13 [1.8]	9 [1.6]	18 [1.7]	7 [1.1]	9 [1.0]
Inflammation, Chronic Active	11 [1.4]	12 [1.6]	8 [1.5]	19 [1.5]	7 [1.0]	8 [1.0]
Ulcer	1 [4.0]			1 [4.0]		
Skin, SOA-Mass	(1)	(16)	(21)	(22)	(3)	(9)
Acanthosis				1 [3.0]		
Skin, SOA-No Mass	(28)	(30)	(30)	(30)	(26)	(29)
Acanthosis	27 [1.9]	30 [2.5]	30 [2.8]	30 [2.8]	25 [1.8]	29 [1.9]
Alopecia				1		
Hair Follicle, Cyst				1	1	
Inflammation, Chronic Active	28 [2.1]	30 [2.6]	29 [3.2]	30 [2.9]	24 [1.9]	28 [1.9]
Ulcer	6 [4.0]	5 [4.0]	11 [4.0]	7 [4.0]	5 [4.0]	2 [4.0]
Ulcer, Multiple	4 [4.0]	10 [4.0]	8 [4.0]	8 [4.0]	2 [4.0]	5 [4.0]

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

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**Species/Strain:** Mouse/CD-1 CRL

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

\*\*\*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: 05117-02  
 Test Type: INIT/PROMOT  
 Route: DERMAL,SOLUTION|SKIN APPLICATION  
 Species/Strain: Mouse/CD-1 CRL

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

Date Report Requested: 10/16/2014  
 Time Report Requested: 17:47:32  
 First Dose M/F: NA / NA  
 Lab: BAT

CD-1 CRL Mouse FEMALE	VEHICLE CONTROL	DMBA0.25/ACETONE E	DMBA 2.5/ACETONE	DMBA 25/ACETONE	DMBA2.5/COMPLETE E	TPA 5/ COMPLETE
<b>Disposition Summary</b>						
Animals Initially In Study	30	30	30	30	30	30
Early Deaths						
Drowned						1
Moribund Sacrifice	1				7	4
Natural Death	1	1	1	1	3	1
Survivors						
Accidentally Killed				1		
Moribund Sacrifice	1					
Natural Death						1
Terminal Sacrifice	27	29	29	28	20	23
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

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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Test Type: INIT/PROMOT

Route: DERMAL,SOLUTION|SKIN APPLICATION

Species/Strain: Mouse/CD-1 CRL

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

CAS Number: INIT/PROM

Date Report Requested: 10/16/2014

Time Report Requested: 17:47:32

First Dose M/F: NA / NA

Lab: BAT

CD-1 CRL Mouse FEMALE	VEHICLE CONTROL	DMBA0.25/ACETONE E	DMBA 2.5/ACETONE	DMBA 25/ACETONE	DMBA2.5/COMPLETE E	TPA 5/ COMPLETE
Skin	(22)	(25)	(19)	(24)	(0)	(8)
Acanthosis	2 [3.0]		1 [3.0]			7 [2.6]
Alopecia						
Hair Follicle, Cyst			1			
Inflammation, Chronic Active	2 [4.0]		1 [4.0]			7 [4.0]
Metaplasia, Osseous	1 [3.0]					
Ulcer	2 [4.0]					2 [4.0]
Ulcer, Multiple			1 [4.0]			6 [4.0]
Skin, Control	(3)	(3)	(6)	(1)	(15)	(26)
Acanthosis					7 [1.1]	21 [1.7]
Inflammation, Chronic Active	3 [1.0]	3 [1.0]	6 [1.0]	1 [1.0]	14 [1.1]	27 [1.7]
Ulcer						
Skin, SOA-Mass	(0)	(0)	(0)	(0)	(25)	(7)
Acanthosis					1 [4.0]	1 [2.0]
Skin, SOA-No Mass	(9)	(5)	(10)	(5)	(28)	(30)
Acanthosis	5 [1.6]	1 [2.0]	3 [1.7]		25 [2.1]	31 [2.5]
Hair Follicle, Cyst						
Inflammation, Chronic Active	9 [1.4]	5 [1.2]	10 [1.0]	5 [1.2]	27 [2.3]	29 [2.6]
Ulcer	1 [4.0]				5 [4.0]	4 [4.0]
Ulcer, Multiple	1 [4.0]				2 [4.0]	5 [4.0]

MUSCULOSKELETAL SYSTEM

None

NERVOUS SYSTEM

None

RESPIRATORY SYSTEM

None

SPECIAL SENSES SYSTEM

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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**Route:** DERMAL,SOLUTION|SKIN APPLICATION  
**Species/Strain:** Mouse/CD-1 CRL

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

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

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CD-1 CRL Mouse FEMALE	VEHICLE CONTROL	DMBA0.25/ACETONE E	DMBA 2.5/ACETONE	DMBA 25/ACETONE	DMBA2.5/COMPLET E	TPA 5/ COMPLETE
None						
URINARY SYSTEM						
None						

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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:** 05117-02  
**Test Type:** INIT/PROMOT  
**Route:** DERMAL,SOLUTION|SKIN APPLICATION  
**Species/Strain:** Mouse/CD-1 CRL

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

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

CD-1 CRL 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						
Drowned						
Moribund Sacrifice		6	7	10	1	
Natural Death		2	3	4	1	
Survivors						
Accidentally Killed						
Moribund Sacrifice						
Natural Death			1			
Terminal Sacrifice	30	22	19	16	28	30
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	(1)	(5)	(4)	(4)	(1)	(1)

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: 051117-02

Test Type: INIT/PROMOT

Route: DERMAL,SOLUTION|SKIN APPLICATION

Species/Strain: Mouse/CD-1 CRL

**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: 10/16/2014

Time Report Requested: 17:47:32

First Dose M/F: NA / NA

Lab: BAT

CD-1 CRL 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
Acanthosis	1 [3.0]	4 [3.0]	4 [3.0]	4 [2.3]	1 [3.0]	
Alopecia		1		1		
Hair Follicle, Cyst						
Inflammation, Chronic Active	1 [4.0]	5 [3.8]	4 [3.8]	4 [3.3]	1 [4.0]	
Metaplasia, Osseous						
Ulcer	1 [4.0]	2 [4.0]	1 [4.0]	2 [4.0]		
Ulcer, Multiple			2 [4.0]		1 [4.0]	
Skin, Control	(30)	(22)	(25)	(19)	(19)	(20)
Acanthosis	20 [1.2]	19 [1.9]	21 [2.0]	16 [1.8]	11 [1.0]	19 [1.0]
Inflammation, Chronic Active	30 [1.3]	21 [1.5]	25 [1.9]	19 [1.5]	18 [1.1]	19 [1.0]
Ulcer			1 [4.0]			
Skin, SOA-Mass	(0)	(18)	(20)	(28)	(5)	(6)
Acanthosis				1 [2.0]		
Skin, SOA-No Mass	(30)	(29)	(30)	(30)	(30)	(28)
Acanthosis	30 [1.4]	29 [2.5]	30 [2.7]	30 [2.8]	30 [1.6]	28 [1.4]
Hair Follicle, Cyst				1		
Inflammation, Chronic Active	30 [1.8]	29 [2.3]	30 [2.8]	30 [3.1]	30 [1.6]	28 [1.4]
Ulcer			3 [4.0]	4 [4.0]	1 [4.0]	
Ulcer, Multiple	1 [4.0]	5 [4.0]	5 [4.0]	11 [4.0]	2 [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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**Lab:** BAT

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**CD-1 CRL 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**

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