

**Experiment Number:** 05117-02  
**Test Type:** INIT/PROMOT  
**Route:** DERMAL,SOLUTION|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:** 10/16/2014

**Time Report Requested:** 17:49:13

**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

**Experiment Number:** 05117-02  
**Test Type:** INIT/PROMOT  
**Route:** DERMAL,SOLUTION|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:** 10/16/2014  
**Time Report Requested:** 17:49:13  
**First Dose M/F:** NA / NA  
**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 (8%)	4 (18%)	2 (8%)	3 (13%)	2 (40%)	10 (100%)
Alopecia					1 (20%)	1 (10%)
Cyst Epithelial Inclusion						
Hair Follicle, Cyst						

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

Experiment Number: 05117-02

Test Type: INIT/PROMOT

Route: DERMAL,SOLUTION|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: 10/16/2014

Time Report Requested: 17:49:13

First Dose M/F: NA / NA

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
Inflammation, Chronic Active Ulcer	2 (8%) 1 (4%)	4 (18%) 1 (5%)	2 (8%)	3 (13%) 2 (9%)	5 (100%) 5 (100%)	10 (100%) 1 (10%)
Ulcer, Multiple	1 (4%)	3 (14%)	2 (8%)			9 (90%)
Skin, Control	(2)	(1)	(1)	(1)	(9)	(23)
Acanthosis	1 (50%)		1 (100%)	1 (100%)	7 (78%)	19 (83%)
Inflammation, Chronic Active Ulcer	1 (50%)	1 (100%)		1 (100%)	7 (78%)	22 (96%)
Skin, SOA-Mass	(0)	(1)	(0)	(1)	(24)	(3)
Acanthosis					1 (4%)	
Skin, SOA-No Mass	(4)	(8)	(5)	(7)	(28)	(30)
Acanthosis	4 (100%)	8 (100%)	4 (80%)	5 (71%)	26 (93%)	31 (103%)
Alopecia						
Hair Follicle, Cyst						
Inflammation, Chronic Active Ulcer	4 (100%) 1 (25%)	7 (88%)	5 (100%)	5 (71%)	25 (89%) 9 (32%)	30 (100%) 7 (23%)
Ulcer, Multiple	1 (25%)	2 (25%)			1 (4%)	7 (23%)
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

**Experiment Number:** 05117-02  
**Test Type:** INIT/PROMOT  
**Route:** DERMAL,SOLUTION|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:** 10/16/2014  
**Time Report Requested:** 17:49:13  
**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>						
<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>2</b>	<b>6</b>	<b>8</b>	<b>13</b>	<b>2</b>	<b>6</b>
<b>Natural Death</b>	<b>3</b>	<b>4</b>	<b>7</b>	<b>2</b>	<b>1</b>	
<b>Survivors</b>						
<b>Terminal Sacrifice</b>	<b>25</b>	<b>20</b>	<b>15</b>	<b>15</b>	<b>27</b>	<b>24</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						
Skin	(5)	(9)	(9)	(10)	(5)	(9)
Acanthosis	3 (60%)	8 (89%)	8 (89%)	10 (100%)	3 (60%)	7 (78%)
Alopecia		1 (11%)		1 (10%)		
Cyst Epithelial Inclusion		1 (11%)		1 (10%)		
Hair Follicle, Cyst						1 (11%)

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

Experiment Number: 051117-02

Test Type: INIT/PROMOT

Route: DERMAL,SOLUTION|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: 10/16/2014

Time Report Requested: 17:49:13

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 (60%)	8 (89%)	8 (89%)	10 (100%)	3 (60%)	7 (78%)
Ulcer	1 (20%)	4 (44%)	5 (56%)	2 (20%)		2 (22%)
Ulcer, Multiple	2 (40%)	3 (33%)	2 (22%)	8 (80%)	2 (40%)	5 (56%)
Skin, Control	(11)	(14)	(10)	(19)	(10)	(12)
Acanthosis	9 (82%)	13 (93%)	9 (90%)	18 (95%)	7 (70%)	9 (75%)
Inflammation, Chronic Active	11 (100%)	12 (86%)	8 (80%)	19 (100%)	7 (70%)	8 (67%)
Ulcer	1 (9%)			1 (5%)		
Skin, SOA-Mass	(1)	(16)	(21)	(22)	(3)	(9)
Acanthosis				1 (5%)		
Skin, SOA-No Mass	(28)	(30)	(30)	(30)	(26)	(29)
Acanthosis	27 (96%)	30 (100%)	30 (100%)	30 (100%)	25 (96%)	29 (100%)
Alopecia				1 (3%)		
Hair Follicle, Cyst				1 (3%)	1 (4%)	
Inflammation, Chronic Active	28 (100%)	30 (100%)	29 (97%)	30 (100%)	24 (92%)	28 (97%)
Ulcer	6 (21%)	5 (17%)	11 (37%)	7 (23%)	5 (19%)	2 (7%)
Ulcer, Multiple	4 (14%)	10 (33%)	8 (27%)	8 (27%)	2 (8%)	5 (17%)

MUSCULOSKELETAL SYSTEM

None

NERVOUS SYSTEM

None

RESPIRATORY SYSTEM

None

SPECIAL SENSES SYSTEM

None

URINARY SYSTEM

None

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

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

Experiment Number: 05117-02  
 Test Type: INIT/PROMOT  
 Route: DERMAL,SOLUTION|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: 10/16/2014  
 Time Report Requested: 17:49:13  
 First Dose M/F: NA / NA  
 Lab: BAT

CD-1 CRL Mouse FEMALE	VEHICLE CONTROL	DMBA0.25/ACETONE	DMBA 2.5/ACETONE	DMBA 25/ACETONE	DMBA2.5/COMPLETE	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						
Skin	(22)	(25)	(19)	(24)	(0)	(8)

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

**Experiment Number:** 051117-02  
**Test Type:** INIT/PROMOT  
**Route:** DERMAL,SOLUTION|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:** 10/16/2014  
**Time Report Requested:** 17:49:13  
**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
Acanthosis	2 (9%)		1 (5%)			7 (88%)
Alopecia						
Hair Follicle, Cyst			1 (5%)			
Inflammation, Chronic Active	2 (9%)		1 (5%)			7 (88%)
Metaplasia, Osseous	1 (5%)					
Ulcer	2 (9%)					2 (25%)
Ulcer, Multiple			1 (5%)			6 (75%)
Skin, Control	(3)	(3)	(6)	(1)	(15)	(26)
Acanthosis					7 (47%)	21 (81%)
Inflammation, Chronic Active	3 (100%)	3 (100%)	6 (100%)	1 (100%)	14 (93%)	27 (104%)
Ulcer						
Skin, SOA-Mass	(0)	(0)	(0)	(0)	(25)	(7)
Acanthosis					1 (4%)	1 (14%)
Skin, SOA-No Mass	(9)	(5)	(10)	(5)	(28)	(30)
Acanthosis	5 (56%)	1 (20%)	3 (30%)		25 (89%)	31 (103%)
Hair Follicle, Cyst						
Inflammation, Chronic Active	9 (100%)	5 (100%)	10 (100%)	5 (100%)	27 (96%)	29 (97%)
Ulcer	1 (11%)				5 (18%)	4 (13%)
Ulcer, Multiple	1 (11%)				2 (7%)	5 (17%)
<b>MUSCULOSKELETAL SYSTEM</b>						
None						
<b>NERVOUS SYSTEM</b>						
None						
<b>RESPIRATORY SYSTEM</b>						
None						
<b>SPECIAL SENSES SYSTEM</b>						
None						

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

**Experiment Number:** 05117-02  
**Test Type:** INIT/PROMOT  
**Route:** DERMAL,SOLUTION|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:** 10/16/2014  
**Time Report Requested:** 17:49:13  
**First Dose M/F:** NA / NA  
**Lab:** BAT

---

**CD-1 CRL Mouse FEMALE**

**VEHICLE CONTROL**

**DMBA0.25/ACETON  
E**

**DMBA 2.5/ACETONE**

**DMBA 25/ACETONE**

**DMBA2.5/COMPLET  
E**

**TPA 5/ COMPLETE**

---

URINARY SYSTEM

None

---



**Experiment Number:** 05117-02  
**Test Type:** INIT/PROMOT  
**Route:** DERMAL,SOLUTION|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:** 10/16/2014  
**Time Report Requested:** 17:49:13  
**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
<b>Early Deaths</b>						
<b>Drowned</b>						
Moribund Sacrifice		6	7	10	1	
Natural Death		2	3	4	1	
<b>Survivors</b>						
<b>Accidentally Killed</b>						
<b>Moribund Sacrifice</b>						
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

Experiment Number: 05117-02

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

Date Report Requested: 10/16/2014

Test Type: INIT/PROMOT

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

Time Report Requested: 17:49:13

Route: DERMAL,SOLUTION|SKIN APPLICATION

CAS Number: INIT/PROM

First Dose M/F: NA / NA

Species/Strain: Mouse/CD-1 CRL

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 (100%)	4 (80%)	4 (100%)	4 (100%)	1 (100%)	
Alopecia		1 (20%)		1 (25%)		
Hair Follicle, Cyst						
Inflammation, Chronic Active	1 (100%)	5 (100%)	4 (100%)	4 (100%)	1 (100%)	
Metaplasia, Osseous						
Ulcer	1 (100%)	2 (40%)	1 (25%)	2 (50%)		
Ulcer, Multiple			2 (50%)		1 (100%)	
Skin, Control	(30)	(22)	(25)	(19)	(19)	(20)
Acanthosis	20 (67%)	19 (86%)	21 (84%)	16 (84%)	11 (58%)	19 (95%)
Inflammation, Chronic Active	30 (100%)	21 (95%)	25 (100%)	19 (100%)	18 (95%)	19 (95%)
Ulcer			1 (4%)			
Skin, SOA-Mass	(0)	(18)	(20)	(28)	(5)	(6)
Acanthosis				1 (4%)		
Skin, SOA-No Mass	(30)	(29)	(30)	(30)	(30)	(28)
Acanthosis	30 (100%)	29 (100%)	30 (100%)	30 (100%)	30 (100%)	28 (100%)
Hair Follicle, Cyst				1 (3%)		
Inflammation, Chronic Active	30 (100%)	29 (100%)	30 (100%)	30 (100%)	30 (100%)	28 (100%)
Ulcer			3 (10%)	4 (13%)	1 (3%)	
Ulcer, Multiple	1 (3%)	5 (17%)	5 (17%)	11 (37%)	2 (7%)	

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

**Experiment Number:** 05117-02  
**Test Type:** INIT/PROMOT  
**Route:** DERMAL,SOLUTION|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:** 10/16/2014  
**Time Report Requested:** 17:49:13  
**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
None						

---

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