Experiment Number: 05117-02 **Test Type:** INIT/PROMOT

Route: DERMAL, SOLUTION | SKIN APPLICATION

Species/Strain: Mouse/CD-1 CRL

•

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

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

CAS Number: INIT/PROM

Date Report Requested: 10/23/2014 Time Report Requested: 15:33:50

First Dose M/F: NA / NA

Lab: BAT

C Number: C61994B

Lock Date: 04/07/1992

Cage Range: All

Date Range: All

Reasons For Removal:

Removal Date Range: All

Treatment Groups: All

Study Gender: Both

PWG Approval Date 04/27/1994

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

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

CAS Number: INIT/PROM

Species/Strain: Mouse/CD-1 CRL

Route: DERMAL, SOLUTION | SKIN APPLICATION

Date Report Requested: 10/23/2014
Time Report Requested: 15:33:50

First Dose M/F: NA / NA

Lab: BAT

CD-1 CRL Mouse Male	DAY ON TEST	0 3 6 1	0 3 6 1	0 3 6 1	0 3 6 1	0 3 6 1	0 3 6 2	0 3 6 2	0 3 6 2	0 3 6 2	0 3 6 2	0 3 6 3	0 3 6 3	0 3 6 3	0 3 6 3	0 3 6 3	0 3 6 3	0 3 6 4	0 3 6 4	0 3 6 4	0 3 3 9	0 3 6 4	0 3 6 4	0 3 6 5	0 3 6 5	0 2 7 6	0 3 6 5	0 3 6 5	0 3 6 5	0 2 0 9	0 3 6 5
	ANIMAL ID	0 0 0 0	0 0 0 0	0 0 0 0 3	0 0 0 0 4	00005	00006	0 0 0 0 7	0 0 0 8	0 0 0 0 9	0 0 0 1	0 0 0 1	0 0 0 1 2	0 0 0 1 3	0 0 0 1 4	0 0 0 1 5	0 0 0 1 6	0 0 0 1 7	0 0 0 1 8	0 0 0 1 9	0 0 0 2 0	0 0 0 2 1	0 0 0 2 2	0 0 0 2 3	0 0 0 2 4	0 0 0 2 5	0 0 0 2 6	0 0 0 2 7	0 0 0 2 8	0 0 0 2 9	0 0 0 3

Alimentary System

NONE

Cardiovascular System

NONE

Endocrine System

NONE

General Body System

NONE

Genital System

NONE

Hematopoietic System

NONE

Integumentary System

Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Acanthosis							3																3		
Inflammation, Chronic Active							4																4		
Ulcer																							4		
Ulcer, Multiple							4																		
Skin, Control																	+	+							

+ .. Tissue examined microscopically

M .. Missing tissue

1-4 ..Lesion qualified as:

X ..Lesion present

A .. Autolysis precludes evaluation

1) Minimal 3) Moderate

I ..Insufficient tissue

BLANK .. Not examined microscopically

^{* ..}Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

Test Type: INIT/PROMOT

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Route: DERMAL, SOLUTION | SKIN APPLICATION

Species/Strain: Mouse/CD-1 CRL

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

Time Report Requested: 15:33:50

Date Report Requested: 10/23/2014

4

First Dose M/F: NA / NA

Lab: BAT

CD-1 CRL Mouse Male VEHICLE CONTROL	DAY ON TEST ANIMAL ID	0 3 6 1 0 0 0 0	0 3 6 1 0 0 0 0	0 3 6 1 0 0 0 0 3	0 3 6 1 0 0 0 0 4	0 3 6 1 0 0 0 0 5	0 3 6 2 0 0 0 0 6	0 3 6 2 0 0 0 0 7	0 3 6 2 0 0 0 0 8	0 3 6 2 0 0 0 0 9	0 3 6 2 0 0 0 1	0 3 6 3 0 0 0 1	0 3 6 3 0 0 0 1	0 3 6 3 0 0 0 1 3	0 3 6 3 0 0 0 1 4	0 3 6 3 0 0 0 1 5	0 3 6 3 0 0 0 1 6	0 3 6 4 0 0 0 1 7	0 3 6 4 0 0 0 1 8	0 3 6 4 0 0 0 1 9	0 3 3 9 0 0 0 2	0 3 6 4 0 0 0 2	0 3 6 4 0 0 0 2 2	0 3 6 5 0 0 0 2 3	0 3 6 5 0 0 0 2 4	0 2 7 6 0 0 0 2 5	0 3 6 5 0 0 0 2 6	0 3 6 5 0 0 0 2 7	0 3 6 5 0 0 0 2 8	0 2 0 9 0 0 0 0 0 2 9	0 3 6 5 0 0 0 3 0
Acanthosis Inflammation, Chronic Active)		•										•		1						1		1					·		-	
Skin, SOA-No Mass Acanthosis									+ 3										+ 1									+ 3	+ 1		
Inflammation, Chronic Active	9								4										1									4	1		

Musculoskeletal System

Ulcer, Multiple

NONE

Nervous System

NONE

Respiratory System

NONE

Special Senses System

NONE

Urinary System

NONE

+ .. Tissue examined microscopically

M .. Missing tissue

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

X .. Lesion present I .. Insufficient tissue A .. Autolysis precludes evaluation

2) Mild

^{* ..}Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

Species/Strain: Mouse/CD-1 CRL

Route: DERMAL, SOLUTION | SKIN APPLICATION

Test Type: INIT/PROMOT

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

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

CAS Number: INIT/PROM

Date Report Requested: 10/23/2014 Time Report Requested: 15:33:50

First Dose M/F: NA / NA

Lab: BAT

DAY ON TEST

CD-1 CRL Mouse Male VEHICLE CONTROL

ANIMAL ID

*TOTALS

Alimentary System

NONE

Cardiovascular System

NONE

Endocrine System

NONE

General Body System

NONE

Genital System

NONE

Hematopoietic System

NONE

Integumentary System

Skin	25		
Acanthosis		2	3.0
Inflammation, Chronic Active		2	4.0
Ulcer		1	4.0
Ulcer, Multiple		1	4.0
Skin, Control	2		
Acanthosis		1	1.0

+ .. Tissue examined microscopically

M .. Missing tissue

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

X ..Lesion presentI ..Insufficient tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

2) Mild

^{* ..}Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Type: INIT/PROMOT

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

Route: DERMAL, SOLUTION | SKIN APPLICATION

First Dose M/F: NA / NA

Date Report Requested: 10/23/2014 Time Report Requested: 15:33:50

Species/Strain: Mouse/CD-1 CRL

CAS Number: INIT/PROM First Dos
Lab: BAT

DAY ON TEST

CD-1 CRL Mouse Male VEHICLE CONTROL

ANIMAL ID

	*TOT	ALS_
Inflammation, Chronic Active	1	1.0
Skin, SOA-No Mass	4	
Acanthosis	4	2.0
Inflammation, Chronic Active	4	2.5
Ulcer	1	4.0
Ulcer, Multiple	1	4.0

Musculoskeletal System

NONE

Nervous System

NONE

Respiratory System

NONE

Special Senses System

NONE

Urinary System

NONE

+ .. Tissue examined microscopically

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

and a construction of an

1) Minimal 3) Moderate

2) Mild

1-4 ..Lesion qualified as:

4) Marked

X ..Lesion present
I ..Insufficient tissue

^{* ..}Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

CAS Number: INIT/PROM

Route: DERMAL, SOLUTION | SKIN APPLICATION

Species/Strain: Mouse/CD-1 CRL

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

Time Report Requested: 15:33:50 First Dose M/F: NA / NA

Date Report Requested: 10/23/2014

Lab: BAT

CD-1 CRL Mouse Male	DAY ON TEST	0 3 6 1	0 3 6 1	0 3 6 1	0 3 6 1	0 2 2 2	0 3 6 1	0 2 8 1	0 3 6 1	0 1 4 8	0 3 6 2	0 3 6 2	0 3 6 2	0 3 6 2	0 3 6 2	0 3 6 2	0 3 6 3	0 3 6 3	0 3 6 3	0 3 6 3	0 3 6 3	0 3 6 4	0 3 6 4	0 2 9 7	0 3 6 4	0 3 6 4	0 3 6 4	0 3 6 0	0 3 6 5	0 3 6 5	0 3 6 5
	ANIMAL ID	0 0 0 3 1	0 0 0 3 2	00000	0 0 0 3 4	00035	0 0 0 3 6	0 0 0 3 7	8 8 0 0 0	0 0 0 3 9	0 0 0 4 0	0 0 0 4 1	0 0 0 4 2	0 0 0 4 3	0 0 0 4 4	00045	00046	0 0 0 4 7	00048	00049	00050	00051	00052	00053	0 0 0 5 4	99999	00056	00057	00058	00059	0 0 0 6 0

Alimentary System

NONE

Cardiovascular System

Test Type: INIT/PROMOT

NONE

Endocrine System

NONE

General Body System

NONE

Genital System

NONE

Hematopoietic System

NONE

Integumentary System

Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+	+	+	+
Acanthosis						3												3		3	3		
Inflammation, Chronic Active						4												4		4	4		
Ulcer																				4			
Ulcer, Multiple						4												4			4		
Skin, Control																			+				

+ .. Tissue examined microscopically

M .. Missing tissue

1-4 ..Lesion qualified as:

X ..Lesion present

A .. Autolysis precludes evaluation

1) Minimal 3) Moderate

I .. Insufficient tissue

BLANK .. Not examined microscopically

4) Marked 2) Mild

^{* ..}Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

DAY

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

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

CAS Number: INIT/PROM

Date Report Requested: 10/23/2014 Time Report Requested: 15:33:51

First Dose M/F: NA / NA

Lab: BAT

CD-1 CRL Mouse Male
DMBA0.25/ACETONE

Species/Strain: Mouse/CD-1 CRL

Route: DERMAL, SOLUTION | SKIN APPLICATION

Test Type: INIT/PROMOT

AY ON TEST	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3	3	3	3	2	3	2	3	1	3	3	3	3	3	3	3	3	3	3	3	3	3	2	3	3	3	3	3	3	3
	6	6	6	6	2	6	8	6	4	6	6	6	6	6	6	6	6	6	6	6	6	6	9	6	6	6	6	6	6	6
	1	1	1	1	2	1	1	1	8	2	2	2	2	2	2	3	3	3	3	3	4	4	7	4	4	4	0	5	5	5
V V V V V V V V V V V V V V V V V	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3	3	3	3	3	3	3	3	3	4	4	4	4	4	4	4	4	4	4	5	5	5	5	5	5	5	5	5	5	6
	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0

Inflammation, Chronic Active				;	3		
Skin, SOA-Mass				+			
Skin, SOA-No Mass	+	+	+ +	+	+	+	+
Acanthosis	1	3	3 3	3	3	1	3
Inflammation, Chronic Active		2	3 1	4	2	1	4
Ulcer, Multiple			4				4

Musculoskeletal System

NONE

Nervous System

NONE

Respiratory System

NONE

Special Senses System

NONE

Urinary System

NONE

+ .. Tissue examined microscopically

M .. Missing tissue

1-4 ..Lesion qualified as:

X ..Lesion present

A .. Autolysis precludes evaluation

2) Mild

1) Minimal 3) Moderate 4) Marked

I .. Insufficient tissue

BLANK .. Not examined microscopically

^{* ..}Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

Species/Strain: Mouse/CD-1 CRL

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Type: INIT/PROMOT

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

Route: DERMAL, SOLUTION | SKIN APPLICATION

CAS Number: INIT/PROM

Time Report Requested: 15:33:51

Date Report Requested: 10/23/2014

First Dose M/F: NA / NA

Lab: BAT

DAY ON TEST

CD-1 CRL Mouse Male DMBA0.25/ACETONE

ANIMAL ID

*TOTALS

Alimentary System

NONE

Cardiovascular System

NONE

Endocrine System

NONE

General Body System

NONE

Genital System

NONE

Hematopoietic System

NONE

Integumentary System

Skin	22		
Acanthosis		4	3.0
Inflammation, Chronic Active		4	4.0
Ulcer		1	4.0
Ulcer, Multiple		3	4.0
Skin, Control	1		
Inflammation, Chronic Active		1	3.0

+ ..Tissue examined microscopically

M .. Missing tissue

1-4 ..Lesion qualified as:

X ..Lesion present

A .. Autolysis precludes evaluation

1) Minimal 3) Moderate

I .. Insufficient tissue

BLANK .. Not examined microscopically

^{* ..}Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

Route: DERMAL, SOLUTION | SKIN APPLICATION

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

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

CAS Number: INIT/PROM

Date Report Requested: 10/23/2014 Time Report Requested: 15:33:51

First Dose M/F: NA / NA

Lab: BAT

DAY ON TEST

CD-1 CRL Mouse Male DMBA0.25/ACETONE

Species/Strain: Mouse/CD-1 CRL

Test Type: INIT/PROMOT

ANIMAL ID

		**	TOTA	ALS
Sk	kin, SOA-Mass	1	l	
Sk	kin, SOA-No Mass	8	3	
Δ	Acanthosis		8	2.5
lı	nflammation, Chronic Active		7	2.4
L	Jlcer, Multiple		2	4.0

Musculoskeletal System

NONE

Nervous System

NONE

Respiratory System

NONE

Special Senses System

NONE

Urinary System

NONE

+ .. Tissue examined microscopically

M .. Missing tissue

1-4 ..Lesion qualified as:

2) Mild

X ..Lesion present

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1) Minimal 3) Moderate

4) Marked

I .. Insufficient tissue

•

^{* ..}Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

Species/Strain: Mouse/CD-1 CRL

Route: DERMAL, SOLUTION | SKIN APPLICATION

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

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

CAS Number: INIT/PROM

Time Report Requested: 15:33:51

Date Report Requested: 10/23/2014

First Dose M/F: NA / NA

Lab: BAT

CD-1 CRL Mouse Male DMBA 2.5/ACETONE

DAY ON TEST	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
_	3	3	3	3	3	3	3	3	3	3	3	3	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
е	6	6	6	6	6	6	6	6	6	6	6	6	3	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
	1	1	1	1	1	2	2	2	2	2	2	3	0	3	3	3	3	3	4	4	4	4	4	4	5	5	5	5	5	5
ANIINAAL ID	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	6	6	6	6	6	6	6	6	6	7	7	7	7	7	7	7	7	7	7	8	8	8	8	8	8	8	8	8	8	9
	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0

Alimentary System

NONE

Cardiovascular System

NONE

Endocrine System

NONE

General Body System

NONE

Genital System

NONE

Hematopoietic System

NONE

Integumentary System

+ .. Tissue examined microscopically

M .. Missing tissue

1-4 ..Lesion qualified as:

X ..Lesion present

A .. Autolysis precludes evaluation

1) Minimal 3) Moderate

I .. Insufficient tissue

BLANK .. Not examined microscopically

^{* ..}Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

Species/Strain: Mouse/CD-1 CRL

Test Type: INIT/PROMOT

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

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

Route: DERMAL, SOLUTION | SKIN APPLICATION

CAS Number: INIT/PROM

Date Report Requested: 10/23/2014 Time Report Requested: 15:33:51

First Dose M/F: NA / NA

Lab: BAT

CD-1 CRL Mouse Male DMBA 2.5/ACETONE

DAY ON TEST	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
•	3	3	3	3	3	3	3	3	3	3	3	3	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	
е	6	6	6	6	6	6	6	6	6	6	6	6	3	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	
	1	1	1	1	1	2	2	2	2	2	2	3	0	3	3	3	3	3	4	4	4	4	4	4	5	5	5	5	5	5	
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
AMINAL ID	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	6	6	6	6	6	6	6	6	6	7	7	7	7	7	7	7	7	7	7	8	8	8	8	8	8	8	8	8	8	9	
	1	2	3	l 4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	

Skin, SOA-No Mass + + + + Acanthosis 2 3 2 Inflammation, Chronic Active 4 2 2 1

Musculoskeletal System

NONE

Nervous System

NONE

Respiratory System

NONE

Special Senses System

NONE

Urinary System

NONE

+ .. Tissue examined microscopically

M .. Missing tissue

1-4 ..Lesion qualified as:

X .. Lesion present

A .. Autolysis precludes evaluation

1) Minimal 3) Moderate 4) Marked 2) Mild

I .. Insufficient tissue

BLANK .. Not examined microscopically

^{* ..}Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

CAS Number: INIT/PROM

Test Type: INIT/PROMOT

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

Date Report Requested: 10/23/2014 Time Report Requested: 15:33:51

First Dose M/F: NA / NA

Lab: BAT

Route: DERMAL, SOLUTION | SKIN APPLICATION

Species/Strain: Mouse/CD-1 CRL

DAY ON TEST

CD-1 CRL Mouse Male DMBA 2.5/ACETONE

ANIMAL ID

*TOTALS

Alimentary System

NONE

Cardiovascular System

NONE

Endocrine System

NONE

General Body System

NONE

Genital System

NONE

Hematopoietic System

NONE

Integumentary System

Skin	25		
Acanthosis		2	3.0
Inflammation, Chronic Active		2	4.0
Ulcer, Multiple		2	4.0
Skin, Control	1		
Acanthosis		1	1.0
Skin, SOA-No Mass	5		

+ .. Tissue examined microscopically

M .. Missing tissue

1-4 ..Lesion qualified as:

X ..Lesion present

A .. Autolysis precludes evaluation

1) Minimal 3) Moderate

I ..Insufficient tissue

BLANK .. Not examined microscopically

2) Mild

^{* ..}Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

CAS Number: INIT/PROM

Test Type: INIT/PROMOT Route: DERMAL, SOLUTION | SKIN APPLICATION **Test Compound:** Init/prom comparative mouse study (DMBA/TPA/BPO/MNNG)

Species/Strain: Mouse/CD-1 CRL

First Dose M/F: NA / NA

Date Report Requested: 10/23/2014 Time Report Requested: 15:33:51

Lab: BAT

DAY ON TEST

CD-1 CRL Mouse Male DMBA 2.5/ACETONE

ANIMAL ID

	*TOTALS
Acanthosis	4 2.0
Inflammation, Chronic Active	5 2.2

Musculoskeletal System

NONE

Nervous System

NONE

Respiratory System

NONE

Special Senses System

NONE

Urinary System

NONE

+ .. Tissue examined microscopically

M .. Missing tissue

1) Minimal 3) Moderate

1-4 ..Lesion qualified as:

X ..Lesion present I .. Insufficient tissue A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

4) Marked 2) Mild

^{* ..}Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

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

Route: DERMAL, SOLUTION | SKIN APPLICATION C

CAS Number: INIT/PROM

Date Report Requested: 10/23/2014
Time Report Requested: 15:33:51

First Dose M/F: NA / NA

Lab: BAT

CD-1 CRL Mouse Male DMBA 25/ACETONE

Species/Strain: Mouse/CD-1 CRL

Test Type: INIT/PROMOT

DAY ON TEST e	0 3 6	0 3 6	0 3 6	0 2 9	0 3 6	0 3 2	0 3 6	0 3 6																						
	1	1	1	6	1	1	1	2	2	2	2	2	2	3	3	3	3	3	3	4	4	4	4	4	5	5	5	6	5	5
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AMINAL ID	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	9	9	9	9	9	9	9	9	9	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	2
	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0

Alimentary System

NONE

Cardiovascular System

NONE

Endocrine System

NONE

General Body System

NONE

Genital System

NONE

Hematopoietic System

NONE

Integumentary System

Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Acanthosis			3															2							
Inflammation, Chronic Active			4															4							
Ulcer			4															4							
Skin, Control										+															
Acanthosis										2															

+ .. Tissue examined microscopically

M .. Missing tissue

1-4 ..Lesion qualified as:

X ..Lesion present

A .. Autolysis precludes evaluation

1) Minimal 3) Moderate

I .. Insufficient tissue

BLANK .. Not examined microscopically

^{* ..}Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

Test Type: INIT/PROMOT

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

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

Route: DERMAL, SOLUTION | SKIN APPLICATION

Species/Strain: Mouse/CD-1 CRL

DMBA/TPA/BPO/MNNG) Time Report Requested: 15:33:51

First Dose M/F: NA / NA

Date Report Requested: 10/23/2014

Lab: BAT

С	DAY ON TEST	0	0	0	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CD-1 CRL Mouse Male		3	3	3	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
		6	6	6	9	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	2	6	6
DMBA 25/ACETONE	_	1	1	1	6	1	1	1	2	2	2	2	2	2	3	3	3	3	3	3	4	4	4	4	4	5	5	5	6	5	5
	ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	ANIMALID	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
		9	9	9	9	9	9	9	9	9	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1 1	1	1	1	1	1	2
		1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0
Inflammation, Chronic Active														1																	
Skin, SOA-Mass													+																		
Skin, SOA-No Mass				+		+				+				+			+						+							+	
Acanthosis						1								2			3						2							1	
Inflammation, Chronic Active				1						1							1						2							1	

Musculoskeletal System

NONE

Nervous System

NONE

Respiratory System

NONE

Special Senses System

NONE

Urinary System

NONE

+ .. Tissue examined microscopically

M .. Missing tissue

1-4 ..Lesion qualified as:

X ..Lesion present

A .. Autolysis precludes evaluation

1) Minimal 3) Moderate

I ..Insufficient tissue

BLANK .. Not examined microscopically

^{* ..}Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Type: INIT/PROMOT

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

Route: DERMAL, SOLUTION | SKIN APPLICATION

CAS Number: INIT/PROM

Species/Strain: Mouse/CD-1 CRL

DAY ON TEST

CD-1 CRL Mouse Male DMBA 25/ACETONE

ANIMAL ID

*TOTALS

Alimentary System

NONE

Cardiovascular System

NONE

Endocrine System

NONE

General Body System

NONE

Genital System

NONE

Hematopoietic System

NONE

Integumentary System

Skin	23		
Acanthosis		2	2.5
Inflammation, Chronic Active		2	4.0
Ulcer		2	4.0
Skin, Control	1		
Acanthosis		1	2.0
Inflammation, Chronic Active		1	1.0

+ .. Tissue examined microscopically

M .. Missing tissue

1-4 ..Lesion qualified as:

X ..Lesion present

A .. Autolysis precludes evaluation

1) Minimal 3) Moderate

I .. Insufficient tissue

BLANK .. Not examined microscopically

2) Mild 4) Marked

Date Report Requested: 10/23/2014 Time Report Requested: 15:33:51

First Dose M/F: NA / NA

Lab: BAT

^{* ..}Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

CAS Number: INIT/PROM

Test Type: INIT/PROMOT

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

Route: DERMAL, SOLUTION | SKIN APPLICATION

Time Report Requested: 15:33:51

Date Report Requested: 10/23/2014

First Dose M/F: NA / NA

Lab: BAT

DAY ON TEST

CD-1 CRL Mouse Male DMBA 25/ACETONE

Species/Strain: Mouse/CD-1 CRL

ANIMAL ID

	*TOTA	LS_
Skin, SOA-Mass	1	
Skin, SOA-No Mass	7	
Acanthosis	5	1.8
Inflammation, Chronic Active	5	1.2

Musculoskeletal System

NONE

Nervous System

NONE

Respiratory System

NONE

Special Senses System

NONE

Urinary System

NONE

+ .. Tissue examined microscopically

M .. Missing tissue

A .. Autolysis precludes evaluation

I .. Insufficient tissue

X ..Lesion present

BLANK .. Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild

^{* ..}Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

Route: DERMAL, SOLUTION | SKIN APPLICATION

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Type: INIT/PROMOT **Test Compound:** Init/prom comparative mouse study (DMBA/TPA/BPO/MNNG) Time Report Requested: 15:33:51

First Dose M/F: NA / NA

Date Report Requested: 10/23/2014

CAS Number: INIT/PROM

Lab: BAT

CD-1 CRL Mouse Male DMBA2.5/COMPLETE

Species/Strain: Mouse/CD-1 CRL

DAY ON TEST	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
_	3	3	3	3	3	3	2	3	1	3	3	3	2	3	3	3	3	2	2	3	3	3	3	3	3	3	3	3	3	3
е	6	6	6	3	6	6	9	6	4	6	6	6	5	6	6	5	1	7	6	5	6	6	6	6	6	5	5	6	6	6
	1	1	1	3	1	2	2	2	8	2	2	3	0	3	3	7	5	4	6	7	4	4	4	4	4	7	7	5	5	5
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ANIIVIAL ID	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	2	2	2	2	2	2	2	2	2	3	3	3	3	3	3	3	3	3	3	4	4	4	4	4	4	4	4	4	4	5
	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0

Alimentary System

NONE

Cardiovascular System

NONE

Endocrine System

NONE

General Body System

NONE

Genital System

NONE

Hematopoietic System

NONE

Integumentary System

Skin	+		+	+	+			+		
Acanthosis	2							2		
Alopecia			Χ							
Inflammation, Chronic Active	4		4	4	4			4		
Ulcer	4		4	4	4			4		
Skin, Control		+	+	+		+	+ -	F	+ +	+

+ .. Tissue examined microscopically

M .. Missing tissue

1-4 ..Lesion qualified as:

X ..Lesion present

A .. Autolysis precludes evaluation

1) Minimal 3) Moderate

I .. Insufficient tissue

BLANK .. Not examined microscopically

2) Mild

^{* ..}Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

Test Type: INIT/PROMOT

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

CAS Number: INIT/PROM

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

Time Report Requested: 15:33:52

Date Report Requested: 10/23/2014

First Dose M/F: NA / NA

Lab: BAT

Species/Strain: Mouse/CD-1 CRL

Route: DERMAL, SOLUTION | SKIN APPLICATION

CD-1 CRL Mouse Male DMBA2.5/COMPLETE	ANIMAL ID	3 6 1	0 3 6 1 0 0 1 2 2	0 3 6 1 0 0 1 2 3	0 3 3 3 0 0 1 2 4	0 3 6 1 0 0 1 2 5	0 3 6 2 0 0 1 2 6	0 2 9 2 0 0 1 2 7	0 3 6 2 0 0 1 2 8	0 1 4 8 0 0 1 2 9	0 3 6 2 0 0 1 3 0	0 3 6 2 0 0 1 3 1	0 3 6 3 0 0 1 3 2	0 2 5 0 0 0 1 3 3	0 3 6 3 0 0 1 3 4	0 3 6 3 0 0 1 3 5	0 3 5 7 0 0 1 3 6	0 3 1 5 0 0 1 3 7	0 2 7 4 0 0 1 3 8	0 2 6 6 0 0 1 3 9	0 3 5 7 0 0 1 4 0	0 3 6 4 0 0 1 4 1	0 3 6 4 0 0 1 4 2	0 3 6 4 0 0 1 4 3	0 3 6 4 0 0 1 4 4	0 3 6 4 0 0 1 4 5	0 3 5 7 0 0 1 4 6	0 3 5 7 0 0 1 4 7	0 3 6 5 0 0 1 4 8	0 3 6 5 0 0 1 4 9	0 3 6 5 0 0 1 5 0
Acanthosis											1			1				1				1		1			2	1			
Inflammation, Chronic Active																		1				1		1	1		2	1		1	
Skin, SOA-Mass		+	+	+	+			+	+		+	+	+	+	+		+	+	+		+	+	+	+		+	+	+	+	+	+
Acanthosis																										3					
Skin, SOA-No Mass		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+	+	+		+	+	+	+	+	+	+	+	+	+
Acanthosis		4	3	1	1	4	2	2	2		3	4	3	2	3	3		2	1	2		4	2	1	3	1	2	1	4	3	
Inflammation, Chronic Active		2	4		1	4	1	4		2	1	3	4	2	2	4		2	1	4		3	2	1	2	1	2	2		4	1
Ulcer		4	4			4		4					4		4	4				4		4									
Ulcer, Multiple																														4	

Musculoskeletal System

NONE

Nervous System

NONE

Respiratory System

NONE

Special Senses System

NONE

Urinary System

NONE

+ .. Tissue examined microscopically

M .. Missing tissue

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

X ..Lesion present

A .. Autolysis precludes evaluation

2) Mild

^{* ..}Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

Species/Strain: Mouse/CD-1 CRL

Route: DERMAL, SOLUTION | SKIN APPLICATION

Test Type: INIT/PROMOT

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

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

CAS Number: INIT/PROM

Date Report Requested: 10/23/2014 Time Report Requested: 15:33:52

First Dose M/F: NA / NA

Lab: BAT

DAY ON TEST

CD-1 CRL Mouse Male DMBA2.5/COMPLETE

ANIMAL ID

*TOTALS

Alimentary System

NONE

Cardiovascular System

NONE

Endocrine System

NONE

General Body System

NONE

Genital System

NONE

Hematopoietic System

NONE

Integumentary System

Skin	5		
Acanthosis		2	2.0
Alopecia		1	
Inflammation, Chronic Active		5	4.0
Ulcer		5	4.0
Skin, Control	9		
Acanthosis		7	1.1

+ ..Tissue examined microscopically

M .. Missing tissue

1-4 ..Lesion qualified as:

X ..Lesion present

A .. Autolysis precludes evaluation

Minimal 3) Moderate
 Mild 4) Marked

I .. Insufficient tissue

BLANK .. Not examined microscopically

^{* ..}Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

Route: DERMAL, SOLUTION | SKIN APPLICATION

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

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

Species/Strain: Mouse/CD-1 CRL

Test Type: INIT/PROMOT

CAS Number: INIT/PROM

Date Report Requested: 10/23/2014 Time Report Requested: 15:33:52

First Dose M/F: NA / NA

Lab: BAT

DAY ON TEST

CD-1 CRL Mouse Male DMBA2.5/COMPLETE

ANIMAL ID

	*T(<u>ATC</u>	LS
Inflammation, Chronic Active		7	1.1
Skin, SOA-Mass	24		
Acanthosis		1	3.0
Skin, SOA-No Mass	28		
Acanthosis		26	2.4
Inflammation, Chronic Active		25	2.4
Ulcer		9	4.0
Ulcer, Multiple		1	4.0

Musculoskeletal System

NONE

Nervous System

NONE

Respiratory System

NONE

Special Senses System

NONE

Urinary System

NONE

+ .. Tissue examined microscopically

M .. Missing tissue

1) Minimal 3) Moderate

X ..Lesion present

A .. Autolysis precludes evaluation

2) Mild

1-4 ..Lesion qualified as:

^{* ..}Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

Species/Strain: Mouse/CD-1 CRL

Test Type: INIT/PROMOT

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

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

Route: DERMAL, SOLUTION | SKIN APPLICATION

DAY ON

CAS Number: INIT/PROM

Date Report Requested: 10/23/2014 Time Report Requested: 15:33:52

First Dose M/F: NA / NA

Lab: BAT

CD-1 CRL Mouse Male TPA 5/ COMPLETE

AY ON TEST	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	2	3	3	3	2	3	2	3	3	3	2	3	3	3	3
	6	6	6	6	6	6	2	6	0	6	6	6	6	6	6	7	6	6	6	0	6	0	2	6	5	7	6	6	6	1
	1	1	1	1	1	2	1	2	9	2	2	3	3	3	3	4	4	4	4	2	4	2	2	5	1	9	5	5	5	3
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AMIMAL ID	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	5	5	5	5	5	5	5	5	5	6	6	6	6	6	6	6	6	6	6	7	7	7	7	7	7	7	7	7	7	8
	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0

Alimentary System

NONE

Cardiovascular System

NONE

Endocrine System

NONE

General Body System

NONE

Genital System

NONE

Hematopoietic System

NONE

Integumentary System

Skin	+	+	+ +	+	+	+	+ +	+
Acanthosis	2	3	3 3	3	3	3	3 2	2
Alopecia			X					
Inflammation, Chronic Active	4	4	4 4	4	4	4	4 4	4
Ulcer		4						
Ulcer, Multiple	4		4 4	4	4	4	4 4	4

+ .. Tissue examined microscopically

M .. Missing tissue

1-4 ..Lesion qualified as:

X .. Lesion present

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

2) Mild

1) Minimal 3) Moderate 4) Marked

^{* ..}Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

Test Type: INIT/PROMOT

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

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

Species/Strain: Mouse/CD-1 CRL

Route: DERMAL, SOLUTION | SKIN APPLICATION

Time Report Requested: 15:33:52

First Dose M/F: NA / NA

Date Report Requested: 10/23/2014

Lab: BAT

CD-1 CRL Mouse Male TPA 5/ COMPLETE	DAY ON TEST ANIMAL ID	3 6 1	0 3 6 1 0 0 1 5 2	0 3 6 1 0 0 1 5 3	0 3 6 1 0 0 1 5 4	0 3 6 1 0 0 1 5	0 3 6 2 0 0 1 5 6	0 3 2 1 0 0 1 5 7	0 3 6 2 0 0 1 5 8	0 3 0 9 0 0 1 5 9	0 3 6 2 0 0 1 6 0	0 3 6 2 0 0 1 6 1	0 3 6 3 0 0 1 6 2	0 3 6 3 0 0 1 6 3	0 3 6 3 0 0 1 6 4	0 3 6 3 0 0 1 6 5	0 2 7 4 0 0 1 6 6	0 3 6 4 0 0 1 6 7	0 3 6 4 0 0 1 6 8	0 3 6 4 0 0 1 6 9	0 2 0 2 0 0 1 7	0 3 6 4 0 0 1 7	0 2 0 2 0 0 0 1 7 2	0 3 2 2 0 0 1 7 3	0 3 6 5 0 0 1 7 4	0 3 5 1 0 0 1 7 5	0 2 7 9 0 0 1 7 6	0 3 6 5 0 0 1 7	0 3 6 5 0 0 1 7 8	0 3 6 5 0 0 1 7	0 3 1 3 0 0 1 8 0
Skin, Control		+	+		+	+		+	+	+	+	+	+	+		+	+	+	+		+	+	+		+	+	+		+		+
Acanthosis		2	2		1	2		1	2			1				3	2	1	3		1	2	2		2	3	1		1		3
Inflammation, Chronic Active)	1	1		1	1		2	1	1	2	1	1	3		2	1		2		1	2	2		2	2	1		1		3
Skin, SOA-Mass					+																								+	+	
Skin, SOA-No Mass		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Acanthosis		3	2	3	3	3	3	3	3	3	4	3	2	3	3	3	3	3	3	3	3	2	2	2	2	2	3	2	3	2	3
Inflammation, Chronic Active	•	4	2	2	3	2	2	2	4	3	4	2	2	4	3	3	4	2	4	2	3	2	4	2	2	4	4	2	4	2	3
Ulcer		4							4								4		4				4			4			4		
Ulcer, Multiple					4					4	4			4		4											4				4

Musculoskeletal System

NONE

Nervous System

NONE

Respiratory System

NONE

Special Senses System

NONE

Urinary System

NONE

+ .. Tissue examined microscopically

M .. Missing tissue

1-4 ..Lesion qualified as:

X ..Lesion present

A .. Autolysis precludes evaluation

1) Minimal 3) Moderate

I .. Insufficient tissue

BLANK .. Not examined microscopically

4) Marked 2) Mild

^{* ..}Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

Species/Strain: Mouse/CD-1 CRL

Route: DERMAL, SOLUTION | SKIN APPLICATION

Test Type: INIT/PROMOT

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

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

CAS Number: INIT/PROM

Date Report Requested: 10/23/2014 Time Report Requested: 15:33:52

First Dose M/F: NA / NA

Lab: BAT

DAY ON TEST

CD-1 CRL Mouse Male TPA 5/ COMPLETE

ANIMAL ID

*TOTALS

Alimentary System

NONE

Cardiovascular System

NONE

Endocrine System

NONE

General Body System

NONE

Genital System

NONE

Hematopoietic System

NONE

Integumentary System

Skin	10		
Acanthosis		10	2.7
Alopecia		1	
Inflammation, Chronic Active		10	4.0
Ulcer		1	4.0
Ulcer, Multiple		9	4.0
Skin, Control	23		

+ .. Tissue examined microscopically

M .. Missing tissue

1-4 ..Lesion qualified as:

X ..Lesion present

A .. Autolysis precludes evaluation

1) Minimal 3) Moderate

I .. Insufficient tissue

BLANK .. Not examined microscopically

^{* ..}Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

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

CAS Number: INIT/PROM

Test Type: INIT/PROMOT
Route: DERMAL, SOLUTION | SKIN APPLICATION

Tim

Date Report Requested: 10/23/2014 Time Report Requested: 15:33:52

First Dose M/F: NA / NA

Lab: BAT

Species/Strain: Mouse/CD-1 CRL

DAY ON TEST

CD-1 CRL Mouse Male TPA 5/ COMPLETE

ANIMAL ID

	*TO1	TALS	<u>. </u>
Acanthosis	1	9 1.	8
Inflammation, Chronic Active	2	2 1.	5
Skin, SOA-Mass	3		
Skin, SOA-No Mass	30		
Acanthosis	3	0 2.	7
Inflammation, Chronic Active	3	0 2.	9
Ulcer		7 4.	0
Ulcer, Multiple		7 4.	0

Musculoskeletal System

NONE

Nervous System

NONE

Respiratory System

NONE

Special Senses System

NONE

Urinary System

NONE

+ .. Tissue examined microscopically

M .. Missing tissue

1) Minimal 3) Moderate

X ..Lesion present

A .. Autolysis precludes evaluation

2) Mild 4) Marked

1-4 ..Lesion qualified as:

I .. Insufficient tissue

BLANK .. Not examined microscopically

^{* ..}Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

Experiment Number: 05117-02 P09: NON-NE

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

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

CAS Number: INIT/PROM

Date Report Requested: 10/23/2014

Time Report Requested: 15:33:52

First Dose M/F: NA / NA

Lab: BAT

CD-1 CRL Mouse Male BPO 20/ COMPLETE

Species/Strain: Mouse/CD-1 CRL

Route: DERMAL, SOLUTION | SKIN APPLICATION

Test Type: INIT/PROMOT

DAY ON TEST	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	2	2	3	3	3	3	3	3
е	6	6	2	6	6	6	6	6	6	6	6	6	1	6	0	6	6	6	6	6	6	6	5	8	6	6	6	6	6	6
	1	1	1	1	1	1	2	2	2	2	2	3	5	3	9	3	3	3	4	4	4	4	8	5	4	5	5	5	5	5
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AMINAL ID	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2
	8	8	8	8	8	8	8	8	8	9	9	9	9	9	9	9	9	9	9	0	0	0	0	0	0	0	0	0	0	1
	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0

Alimentary System

NONE

Cardiovascular System

NONE

Endocrine System

NONE

General Body System

NONE

Genital System

NONE

Hematopoietic System

NONE

Integumentary System

Skin	+		+								+	+	+	
Acanthosis	3										3		3	
Inflammation, Chronic Active	4										4		4	
Ulcer											4			
Ulcer, Multiple	4												4	
Skin, Control	+	+		+	+	+	+	+	+	+			+	+

+ .. Tissue examined microscopically

M .. Missing tissue

1-4 ..Lesion qualified as:

X ..Lesion present

A .. Autolysis precludes evaluation

1) Minimal 3) Moderate

I .. Insufficient tissue

BLANK .. Not examined microscopically

2) Mild

^{* ..}Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

Species/Strain: Mouse/CD-1 CRL

Route: DERMAL, SOLUTION | SKIN APPLICATION

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

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

CAS Number: INIT/PROM

Date Report Requested: 10/23/2014 Time Report Requested: 15:33:52

First Dose M/F: NA / NA

Lab: BAT

CD-1 CRL Mouse Male BPO 20/ COMPLETE	AY ON TEST	0 3 6 1 0 0 1 8 1	0 3 6 1 0 0 1 8 2	0 3 2 1 0 0 1 8 3	0 3 6 1 0 0 1 8 4	0 3 6 1 0 0 1 8 5	0 3 6 1 0 0 1 8 6	0 3 6 2 0 0 1 8 7	0 3 6 2 0 0 1 8 8	0 3 6 2 0 0 1 8 9	0 3 6 2 0 0 1 9	0 3 6 2 0 0 1 9	0 3 6 3 0 0 1 9 2	0 3 1 5 0 0 1 9 3	0 3 6 3 0 0 1 9 4	0 3 0 9 0 0 1 9 5	0 3 6 3 0 0 1 9 6	0 3 6 3 0 0 1 9 7	0 3 6 3 0 0 1 9 8	0 3 6 4 0 0 1 9	0 3 6 4 0 0 2 0	0 3 6 4 0 0 2 0 1	0 3 6 4 0 0 2 0 2	0 2 5 8 0 0 2 0 2	0 2 8 5 0 0 2 0 4	0 3 6 4 0 0 2 0 5	0 3 6 5 0 0 2 0 6	0 3 6 5 0 0 2 0 7	0 3 6 5 0 0 2 0 8	0 3 6 5 0 0 2 0 9	0 3 6 5 0 0 2 1
Acanthosis				1								1		1	3			1		1		1				1	1				
Inflammation, Chronic Active				1		1						1		2	4		1	1		1		1				1	1				
Ulcer															4																
Skin, SOA-Mass																										+					
Skin, SOA-No Mass		+	+	+	+	+	+	+	+	+		+	+	+	+	+	+	+	+	+	+	+	+	+		+	+	+	+	+	+
Acanthosis		1	2	3	2	2	1	1	3	3		2	1	1	3	3	1	2	1	2		1	2	2		2	2	1	2	3	1
Inflammation, Chronic Active		1	1	4	1	2	1	1	4	4		1	1	1	4	4	1	1	1	2	1	1	3	4		3	2	1	3	4	1
Ulcer					4					4					4								4			4				4	
Ulcer, Multiple				4					4							4								4							

Musculoskeletal System

NONE

Nervous System

NONE

Respiratory System

NONE

Special Senses System

NONE

Urinary System

NONE

+ .. Tissue examined microscopically

M .. Missing tissue

1-4 ..Lesion qualified as:

X ..Lesion present

A .. Autolysis precludes evaluation

1) Minimal 3) Moderate

I .. Insufficient tissue

BLANK .. Not examined microscopically

^{* ..}Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

CAS Number: INIT/PROM

Test Type: INIT/PROMOT **Test Compound:** Init/prom comparative mouse study (DMBA/TPA/BPO/MNNG) Date Report Requested: 10/23/2014

Time Report Requested: 15:33:52

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

Route: DERMAL, SOLUTION | SKIN APPLICATION

Species/Strain: Mouse/CD-1 CRL

DAY ON TEST

CD-1 CRL Mouse Male BPO 20/ COMPLETE

ANIMAL ID

*TOTALS

Alimentary System

NONE

Cardiovascular System

NONE

Endocrine System

NONE

General Body System

NONE

Genital System

NONE

Hematopoietic System

NONE

Integumentary System

Skin	5		
Acanthosis		3	3.0
Inflammation, Chronic Active		3	4.0
Ulcer		1	4.0
Ulcer, Multiple		2	4.0
Skin, Control	11		
Acanthosis		9	1.2

+ .. Tissue examined microscopically

M .. Missing tissue

1-4 ..Lesion qualified as:

X .. Lesion present

A .. Autolysis precludes evaluation

1) Minimal 3) Moderate 4) Marked

I .. Insufficient tissue

BLANK .. Not examined microscopically

2) Mild

^{* ..}Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

CAS Number: INIT/PROM

Test Type: INIT/PROMOT Route: DERMAL, SOLUTION | SKIN APPLICATION **Test Compound:** Init/prom comparative mouse study (DMBA/TPA/BPO/MNNG)

Species/Strain: Mouse/CD-1 CRL

First Dose M/F: NA / NA

Date Report Requested: 10/23/2014 Time Report Requested: 15:33:52

Lab: BAT

DAY ON TEST

CD-1 CRL Mouse Male BPO 20/ COMPLETE

ANIMAL ID

	*TOTA	<u>LS</u>
Inflammation, Chronic Active	11	1.4
Ulcer	1	4.0
Skin, SOA-Mass	1	
Skin, SOA-No Mass	28	
Acanthosis	27	1.9
Inflammation, Chronic Active	28	2.1
Ulcer	6	4.0
Ulcer, Multiple	4	4.0

Musculoskeletal System

NONE

Nervous System

NONE

Respiratory System

NONE

Special Senses System

NONE

Urinary System

NONE

+ .. Tissue examined microscopically

M .. Missing tissue

1) Minimal 3) Moderate

1-4 ..Lesion qualified as:

X ..Lesion present

A .. Autolysis precludes evaluation

2) Mild

4) Marked

I .. Insufficient tissue

BLANK .. Not examined microscopically

^{* ..}Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

Experiment Number: 05117-02 P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

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

Route: DERMAL, SOLUTION | SKIN APPLICATION | Fir

Species/Strain: Mouse/CD-1 CRL

Test Type: INIT/PROMOT

Date Report Requested: 10/23/2014 Time Report Requested: 15:33:52

First Dose M/F: NA / NA

Lab: BAT

CD-1 CRL Mouse Male	DAY ON TEST	0 3 1 3	0 3 6 1	0 3 6 1	0 3 6 1	0 3 6 1	0 3 6 2	0 3 6 2	0 3 6 2	0 2 9 5	0 1 7 3	0 2 4 1	0 3 6 2	0 3 6 3	0 3 4 2	0 3 6 3	0 2 0 9	0 3 6 3	0 1 3 8	0 3 6 3	0 3 0 7	0 3 6 4	0 1 6 5	0 3 6 4	0 3 6 4	0 3 6 4	0 3 6 5	0 3 6 5	0 3 6 5	0 2 3 0	0 3 6 5
	ANIMAL ID	0 0 2 1	0 0 2 1	0 0 2 1 3	0 0 2 1	0 0 2 1 5	0 0 2 1 6	0 0 2 1 7	0 0 2 1 8	0 0 2 1	0 0 2 2	0 0 2 2	0 0 2 2 2	0 0 2 2 3	0 0 2 2 4	0 0 2 2 5	0 0 2 2 6	0 0 2 2 7	0 0 2 2 8	0 0 2 2 9	0 0 2 3	0 0 2 3	0 0 2 3	0 0 2 3 3	0 0 2 3 4	0 0 2 3 5	0 0 2 3 6	0 0 2 3 7	0 0 2 3 8	0 0 2 3	0 0 2 4

Alimentary System

NONE

Cardiovascular System

NONE

Endocrine System

NONE

General Body System

NONE

Genital System

NONE

Hematopoietic System

NONE

Integumentary System

Skin	+	+	+	+	+ +	+	+	+
Acanthosis	3	2	3	2	3	2	3	3
Alopecia					X			
Cyst Epithelial Inclusion					X			
Inflammation, Chronic Active	4	4	4	4	4	4	4	4
Ulcer	4			4		4	4	

+ .. Tissue examined microscopically

M .. Missing tissue

1-4 ..Lesion qualified as:

X ..Lesion present

A .. Autolysis precludes evaluation

1) Minimal 3) Moderate

I .. Insufficient tissue

BLANK .. Not examined microscopically

^{* ..}Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

Species/Strain: Mouse/CD-1 CRL

Route: DERMAL, SOLUTION | SKIN APPLICATION

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

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

CAS Number: INIT/PROM

Date Report Requested: 10/23/2014

Time Report Requested: 15:33:53

First Dose M/F: NA / NA

Lab: BAT

CD-1 CRL Mouse Male DMBA0.25/ TPA 5	AY ON TEST	0 3 1 3	0 3 6 1	0 3 6 1	0 3 6 1	0 3 6 1	0 3 6 2	0 3 6 2	0 3 6 2	0 2 9 5	0 1 7 3	0 2 4 1	0 3 6 2	0 3 6 3	0 3 4 2	0 3 6 3	0 2 0 9	0 3 6 3	0 1 3 8	0 3 6 3	0 3 0 7	0 3 6 4	0 1 6 5	0 3 6 4	0 3 6 4	0 3 6 4	0 3 6 5	0 3 6 5	0 3 6 5	0 2 3 0	0 3 6 5
	ANIMAL ID	0 0 2 1 1	0 0 2 1 2	0 0 2 1 3	0 0 2 1 4	0 0 2 1 5	0 0 2 1 6	0 0 2 1 7	0 0 2 1 8	0 0 2 1 9	0 0 2 2 0	0 0 2 2 1	0 0 2 2 2	0 0 2 2 2 3	0 0 2 2 4	0 0 2 2 5	0 0 2 2 6	0 0 2 2 7	0 0 2 2 8	0 0 2 2 9	0 0 2 3 0	0 0 2 3 1	0 0 2 3 2	0 0 2 3 3	0 0 2 3 4	00235	0 0 2 3 6	0 0 2 3 7	0 0 2 3 8	0 0 2 3 9	0 0 2 4 0
Ulcer, Multiple										4							4													4	
Skin, Control				+	+					+	+	+	+	+		+	+		+					+				+		+	+
Acanthosis				1	1					3	2	1	3	2		2	2		2					1				2			2
Inflammation, Chronic Active										2	2	2	2	2		2	2		1					1				1		1	1
Skin, SOA-Mass						+		+		+	+		+		+	+		+		+		+	+	+	+	+	+				+
Skin, SOA-No Mass		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Acanthosis		3	3	3	3	3	2	3	3	3	2	2	3	3	1	2	3	3	3	1	2	3	2	3	2	1	3	3	2	2	2

Musculoskeletal System

Ulcer, Multiple

Inflammation, Chronic Active

NONE

Ulcer

Nervous System

NONE

Respiratory System

NONE

Special Senses System

NONE

Urinary System

NONE

+ .. Tissue examined microscopically

M .. Missing tissue

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

X ..Lesion present I .. Insufficient tissue A .. Autolysis precludes evaluation

2) Mild

^{* ..}Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

CAS Number: INIT/PROM

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

Date Report Requested: 10/23/2014 Time Report Requested: 15:33:53

First Dose M/F: NA / NA

Lab: BAT

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

DAY ON TEST

CD-1 CRL Mouse Male DMBA0.25/TPA5

ANIMAL ID

*TOTALS

Alimentary System

NONE

Cardiovascular System

NONE

Endocrine System

NONE

General Body System

NONE

Genital System

NONE

Hematopoietic System

NONE

Integumentary System

Skin	9		
Acanthosis		8	2.6
Alopecia		1	
Cyst Epithelial Inclusion		1	
Inflammation, Chronic Active		8	4.0
Ulcer		4	4.0
Ulcer, Multiple		3	4.0

+ .. Tissue examined microscopically

M .. Missing tissue

1-4 ..Lesion qualified as:

X .. Lesion present

A .. Autolysis precludes evaluation

1) Minimal 3) Moderate

I .. Insufficient tissue

BLANK .. Not examined microscopically

4) Marked 2) Mild

^{* ..}Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

Route: DERMAL, SOLUTION | SKIN APPLICATION

Species/Strain: Mouse/CD-1 CRL

Test Type: INIT/PROMOT

CAS Number: INIT/PROM

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

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Date Report Requested: 10/23/2014 Time Report Requested: 15:33:53

First Dose M/F: NA / NA

Lab: BAT

DAY ON TEST

CD-1 CRL Mouse Male DMBA0.25/TPA 5

ANIMAL ID

	*TO	TΑ	LS_
Skin, Control	14		
Acanthosis	1	13	1.8
Inflammation, Chronic Active	1	12	1.6
Skin, SOA-Mass	16		
Skin, SOA-No Mass	30		
Acanthosis	3	30	2.5
Inflammation, Chronic Active	3	30	2.6
Ulcer		5	4.0
Ulcer, Multiple	1	10	4.0

Musculoskeletal System

NONE

Nervous System

NONE

Respiratory System

NONE

Special Senses System

NONE

Urinary System

NONE

+ .. Tissue examined microscopically

M .. Missing tissue

I .. Insufficient tissue

X ..Lesion present

A .. Autolysis precludes evaluation BLANK .. Not examined microscopically

2) Mild

4) Marked

Page 33

1) Minimal 3) Moderate

^{* ..}Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

Experiment Number: 05117-02 P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

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

Route: DERMAL, SOLUTION | SKIN APPLICATION | CAS Number: INIT/PROM

Species/Strain: Mouse/CD-1 CRL

Test Type: INIT/PROMOT

Date Report Requested: 10/23/2014
Time Report Requested: 15:33:53

First Dose M/F: NA / NA

Lab: BAT

CD-1 CRL Mouse Male	DAY ON TEST	0 3 6 1	0 2 5 0	0 3 6 1	0 3 6 1	0 3 6 2	0 3 6 2	0 2 6 1	0 3 6 2	0 3 6 3	0 2 1 7	0 3 5 1	0 1 5 2	0 3 2 9	0 3 3 9	0 3 6 3	0 2 3 0	0 3 2 0	0 3 6 3	0 3 5 6	0 3 6 4	0 3 5 7	0 3 6 4	0 3 6 5	0 3 1 8	0 3 4 3	0 3 1 8	0 3 6 5	0 3 6 5	0 3 6 5	0 2 9 2
	ANIMAL ID	0 0 2 4 1	0 0 2 4 2	0 0 2 4 3	0 0 2 4 4	0 0 2 4 5	0 0 2 4 6	0 0 2 4 7	0 0 2 4 8	0 0 2 4 9	0 0 2 5 0	0 0 2 5 1	0 0 2 5 2	0 0 2 5 3	0 0 2 5 4	00255	00256	0 0 2 5 7	0 0 2 5 8	00059	09800	0 0 2 6 1	0 0 2 6 2	0 0 2 6 3	0 0 2 6 4	00265	99800	0 0 2 6 7	00068	00000	0 0 2 7 0

Alimentary System

NONE

Cardiovascular System

NONE

Endocrine System

NONE

General Body System

NONE

Genital System

NONE

Hematopoietic System

NONE

Integumentary System

Skin	+	+	+		+		+	+	+	+	+
Acanthosis	3	3	3		3		2		3	3	2
Inflammation, Chronic Active	4	4	4		4		4		4	4	2
Ulcer	4		4		4		4		4		
Ulcer, Multiple		4								4	
Skin, Control		+		+	+	+ +	+	+	+	+	+

+ .. Tissue examined microscopically

M .. Missing tissue

1-4 ..Lesion qualified as:

X ..Lesion present

A .. Autolysis precludes evaluation

1) Minimal 3) Moderate

I .. Insufficient tissue

BLANK .. Not examined microscopically

^{* ..}Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

Species/Strain: Mouse/CD-1 CRL

Route: DERMAL, SOLUTION | SKIN APPLICATION

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

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

CAS Number: INIT/PROM

INIT/PROM First Dose M/F: NA / NA

Lab: BAT

Date Report Requested: 10/23/2014 Time Report Requested: 15:33:53

CD-1 CRL Mouse Male DMBA 2.5/ TPA 5	ANIMAL ID	0 3 6 1 0 0 2 4 1	0 2 5 0 0 0 2 4 2	0 3 6 1 0 0 2 4 3	0 3 6 1 0 0 2 4 4	0 3 6 2 0 0 2 4 5	0 3 6 2 0 0 2 4 6	0 2 6 1 0 0 2 4 7	0 3 6 2 0 0 2 4 8	0 3 6 3 0 0 2 4 9	0 2 1 7 0 0 0 2 5 0	0 3 5 1 0 0 2 5 1	0 1 5 2 0 0 2 5 2	0 3 2 9 0 0 2 5 3	0 3 3 9 0 0 2 5 4	0 3 6 3 0 0 2 5 5	0 2 3 0 0 0 2 5 6	0 3 2 0 0 0 2 5 7	0 3 6 3 0 0 2 5 8	0 3 5 6 0 0 2 5 9	0 3 6 4 0 0 2 6 0	0 3 5 7 0 0 2 6 1	0 3 6 4 0 0 2 6 2	0 3 6 5 0 0 2 6 3	0 3 1 8 0 0 2 6 4	0 3 4 3 0 0 2 6 5	0 3 1 8 0 0 2 6 6	0 3 6 5 0 0 2 6 7	0 3 6 5 0 0 2 6 8	0 3 6 5 0 0 2 6 9	0 2 9 2 0 0 0 2 7 0
Acanthosis															1	2	2	2		2		1			1		2			1	
Inflammation, Chronic Active								1									2	1		1		1			1		3			2	
Skin, SOA-Mass		+	+		+	+	+			+	+	+			+	+				+	+	+	+	+	+	+		+	+	+	+
Skin, SOA-No Mass		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Acanthosis		3	3	3	2	3	4	3	3	3	2	2	3	3	1	4	3	3	3	2	3	3	4	2	4	2	2	2	3	3	3
Inflammation, Chronic Active		3	2	4	1	4	2	4	4	2	4	4	4	4		4	4	4	4	2	4	4	3	1	4	2	4	2	2	4	2
Ulcer			4	4							4	4	4			4	4	4	4						4		4				
Ulcer, Multiple		4				4		4	4					4							4	4								4	

Musculoskeletal System

NONE

Nervous System

NONE

Respiratory System

NONE

Special Senses System

NONE

Urinary System

NONE

+ .. Tissue examined microscopically

M .. Missing tissue

1-4 ..Lesion qualified as:1) Minimal 3) Moderate

X ..Lesion presentI ..Insufficient tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

^{* ..}Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

Species/Strain: Mouse/CD-1 CRL

Route: DERMAL, SOLUTION | SKIN APPLICATION

Test Type: INIT/PROMOT

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

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

CAS Number: INIT/PROM

Date Report Requested: 10/23/2014 Time Report Requested: 15:33:53

First Dose M/F: NA / NA

Lab: BAT

DAY ON TEST

CD-1 CRL Mouse Male DMBA 2.5/ TPA 5

ANIMAL ID

*TOTALS

Alimentary System

NONE

Cardiovascular System

NONE

Endocrine System

NONE

General Body System

NONE

Genital System

NONE

Hematopoietic System

NONE

Integumentary System

Skin	9		
Acanthosis		8	2.8
Inflammation, Chronic Active		8	3.8
Ulcer		5	4.0
Ulcer, Multiple		2	4.0
Skin, Control	10		
Acanthosis		9	1.6

+ .. Tissue examined microscopically

M .. Missing tissue

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

X ..Lesion present

I .. Insufficient tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

2) Mild

^{* ..}Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

Route: DERMAL, SOLUTION | SKIN APPLICATION

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

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

CAS Number: INIT/PROM

Date Report Requested: 10/23/2014 Time Report Requested: 15:33:53

First Dose M/F: NA / NA

Lab: BAT

DAY ON TEST

CD-1 CRL Mouse Male DMBA 2.5/TPA 5

Species/Strain: Mouse/CD-1 CRL

ANIMAL ID

	*TC	<u> </u>	<u>LS</u>
Inflammation, Chronic Active		8	1.5
Skin, SOA-Mass	21		
Skin, SOA-No Mass	30		
Acanthosis		30	2.8
Inflammation, Chronic Active		29	3.2
Ulcer		11	4.0
Ulcer, Multiple		8	4.0

Musculoskeletal System

NONE

Nervous System

NONE

Respiratory System

NONE

Special Senses System

NONE

Urinary System

NONE

+ .. Tissue examined microscopically

M .. Missing tissue

A .. Autolysis precludes evaluation

X ..Lesion present I .. Insufficient tissue

BLANK .. Not examined microscopically

1) Minimal 3) Moderate

1-4 ..Lesion qualified as:

2) Mild

^{* ..}Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

Experiment Number: 05117-02 P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

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

Route: DERMAL, SOLUTION | SKIN APPLICATION | CAS Number: INIT/PROM

Species/Strain: Mouse/CD-1 CRL

Test Type: INIT/PROMOT

Date Report Requested: 10/23/2014
Time Report Requested: 15:33:53

First Dose M/F: NA / NA

Lab: BAT

DAY ON TES	$T \boxed{\boldsymbol{\varrho}}$	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CD-1 CRL Mouse Male	3	2	2	3	1	3	3	3	1	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	2	3	3
CD-1 CKL WIOUSE Wale	6	4	7	0	5	0	6	1	9	1	6	2	1	6	6	6	4	4	6	2	6	6	6	6	6	6	6	0	6	4
DMBA 25/ TPA 5	1	5	9	9	9	9	1	9	6	3	1	9	9	2	2	2	6	3	3	5	3	3	4	4	4	5	5	9	5	3
	50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ANIMAL I	0 ار	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3
	7	7	7	7	7	7	7	7	7	8	8	8	8	8	8	8	8	8	8	9	9	9	9	9	9	9	9	9	9	0
	1	1 2	3	l 4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5 I	6	7	8	9	I 0 I

Alimentary System

NONE

Cardiovascular System

NONE

Endocrine System

NONE

General Body System

NONE

Genital System

NONE

Hematopoietic System

NONE

Integumentary System

Skin	+	+	+	+	+	+	+	+	+	+
Acanthosis	3	3	3	3	3	3	3	3	3	3
Alopecia		Χ								
Cyst Epithelial Inclusion										Х
Inflammation, Chronic Active	4	4	4	4	4	4	4	4	4	4
Ulcer			4				4			

+ .. Tissue examined microscopically

M .. Missing tissue

1-4 ..Lesion qualified as:

X ..Lesion present

A .. Autolysis precludes evaluation

1) Minimal 3) Moderate

I ..Insufficient tissue

BLANK .. Not examined microscopically

2) Mild

^{* ..}Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

Species/Strain: Mouse/CD-1 CRL

Test Type: INIT/PROMOT

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

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

Route: DERMAL, SOLUTION | SKIN APPLICATION

CAS Number: INIT/PROM

Date Report Requested: 10/23/2014 Time Report Requested: 15:33:53

First Dose M/F: NA / NA

Lab: BAT

CD-1 CRL Mouse Male DMBA 25/ TPA 5	DAY ON TEST ANIMAL ID	0 3 6 1 0 0 2 7	0 2 4 5 0 0 2 7 2	0 2 7 9 0 0 2 7 3	0 3 0 9 0 0 0 2 7 4	0 1 5 9 0 0 2 7 5	0 3 0 9 0 0 0 2 7 6	0 3 6 1 0 0 2 7	0 3 1 9 0 0 2 7 8	0 1 9 6 0 0 2 7	0 3 1 3 0 0 2 8 0	0 3 6 1 0 0 2 8 1	0 3 2 9 0 0 0 2 8 2	0 3 1 9 0 0 2 8 3	0 3 6 2 0 0 2 8 4	0 3 6 2 0 0 0 2 8 5	0 3 6 2 0 0 2 8 6	0 3 4 6 0 0 2 8 7	0 3 4 3 0 0 2 8 8	0 3 6 3 0 0 2 8 9	0 3 2 5 0 0 2 9 0	0 3 6 3 0 0 2 9	0 3 6 3 0 0 2 9 2	0 3 6 4 0 0 2 9 3	0 3 6 4 0 0 2 9 4	0 3 6 4 0 0 2 9 5	0 3 6 5 0 0 2 9 6	0 3 6 5 0 0 2 9 7	0 2 0 9 0 0 0 2 9 8	0 3 6 5 0 0 2 9	0 3 4 3 0 0 0 3 0 0
Ulcer, Multiple		4			4					4	4	4						4				4				4					
Skin, Control		+	+	+	+	+	+	+	+	+	+	+		+			+	+	+	+	+					+		+			
Acanthosis		1	2	1	1	3	1	4		1	1	1		2			1	3	3	1	3					1		1			
Inflammation, Chronic Active		1	1	1	2	4	1	2	2	2	1	1		2			1	2	2	1	1					1		1			
Ulcer						4																									
Skin, SOA-Mass		+	+	+	+				+	+	+	+	+	+	+	+	+			+	+		+	+	+	+	+	+	+		
Acanthosis																	3														
Skin, SOA-No Mass		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Acanthosis		2	2	3	3	3	3	3	2	3	3	3	3	3	4	3	3	3	3	3	3	3	2	2	4	2	3	4	2	2	2
Alopecia																		Χ													
Hair Follicle, Cyst																					Χ										
Inflammation, Chronic Active		2	2	2	4	4	4	4	2	4	2	4	2	3	3	4	4	3	3	4	2	4	1	2	3	3	4	3	2	1	1
Ulcer			4			4				4		4													4	4		4			
Ulcer, Multiple					4		4	4								4	4			4		4					4				

Musculoskeletal System

NONE

Nervous System

NONE

Respiratory System

NONE

Special Senses System

+ .. Tissue examined microscopically

M .. Missing tissue

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

X ..Lesion present

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

2) Mild

4) Marked

I .. Insufficient tissue

^{* ..}Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

Species/Strain: Mouse/CD-1 CRL

Test Type: INIT/PROMOT

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

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

Route: DERMAL, SOLUTION | SKIN APPLICATION

CAS Number: INIT/PROM

Date Report Requested: 10/23/2014 Time Report Requested: 15:33:53

First Dose M/F: NA / NA

Lab: BAT

CD-1 CRL Mouse Male DMBA 25/TPA 5

DAY ON TEST	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
•	3	2	2	3	1	3	3	3	1	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	2	3	3
e	6	4	7	0	5	0	6	1	9	1	6	2	1	6	6	6	4	4	6	2	6	6	6	6	6	6	6	0	6	4
	1	5	9	9	9	9	1	9	6	3	1	9	9	2	2	2	6	3	3	5	3	3	4	4	4	5	5	9	5	3
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AMIMAL ID	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3
	7	7	7	7	7	7	7	7	7	8	8	8	8	8	8	8	8	8	8	9	9	9	9	9	9	9	9	9	9	0
	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0

Special Senses System

NONE

Urinary System

NONE

+ .. Tissue examined microscopically

M .. Missing tissue

I .. Insufficient tissue

X .. Lesion present

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild

^{* ..}Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

Species/Strain: Mouse/CD-1 CRL

Route: DERMAL, SOLUTION | SKIN APPLICATION

Test Type: INIT/PROMOT

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Com

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

CAS Number: INIT/PROM

Date Report Requested: 10/23/2014 Time Report Requested: 15:33:53

First Dose M/F: NA / NA

Lab: BAT

DAY ON TEST

CD-1 CRL Mouse Male DMBA 25/ TPA 5

ANIMAL ID

*TOTALS

Alimentary System

NONE

Cardiovascular System

NONE

Endocrine System

NONE

General Body System

NONE

Genital System

NONE

Hematopoietic System

NONE

Integumentary System

Skin	10		
Acanthosis		10	3.0
Alopecia		1	
Cyst Epithelial Inclusion		1	
Inflammation, Chronic Active		10	4.0
Ulcer		2	4.0
Ulcer, Multiple		8	4.0

+ .. Tissue examined microscopically

M .. Missing tissue

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

X ..Lesion present
I ..Insufficient tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

2) Mild

^{* ..}Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

CAS Number: INIT/PROM

Test Type: INIT/PROMOT
Route: DERMAL, SOLUTION | SKIN APPLICATION

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

Date Report Requested: 10/23/2014 Time Report Requested: 15:33:54

First Dose M/F: NA / NA

Lab: BAT

Species/Strain: Mouse/CD-1 CRL

DAY ON TEST

CD-1 CRL Mouse Male DMBA 25/ TPA 5

ANIMAL ID

	*TOTA	LS_
Skin, Control	19	
Acanthosis	18	1.7
Inflammation, Chronic Active	19	1.5
Ulcer	1	4.0
Skin, SOA-Mass	22	
Acanthosis	1	3.0
Skin, SOA-No Mass	30	
Acanthosis	30	2.8
Alopecia	1	
Hair Follicle, Cyst	1	
Inflammation, Chronic Active	30	2.9
Ulcer	7	4.0
Ulcer, Multiple	8	4.0

Musculoskeletal System

NONE

Nervous System

NONE

Respiratory System

NONE

Special Senses System

NONE

+ .. Tissue examined microscopically

M .. Missing tissue

1) Minimal 3) Moderate

X ..Lesion present

A .. Autolysis precludes evaluation

2) Mild

1-4 ..Lesion qualified as:

^{* ..}Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Type: INIT/PROMOT

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

Route: DERMAL, SOLUTION | SKIN APPLICATION

First Dose M/F: NA / NA

Lab: BAT

Date Report Requested: 10/23/2014 Time Report Requested: 15:33:54

Species/Strain: Mouse/CD-1 CRL

CAS Number: INIT/PROM

DAY ON TEST

CD-1 CRL Mouse Male DMBA 25/ TPA 5

ANIMAL ID

*TOTALS

Urinary System

NONE

M .. Missing tissue

X ..Lesion present

A .. Autolysis precludes evaluation

I ..Insufficient tissue

BLANK .. Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild

^{* ..}Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

^{+ ..} Tissue examined microscopically

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

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

CAS Number: INIT/PROM Route: DERMAL, SOLUTION | SKIN APPLICATION

Species/Strain: Mouse/CD-1 CRL

Test Type: INIT/PROMOT

Date Report Requested: 10/23/2014 Time Report Requested: 15:33:54

First Dose M/F: NA / NA

Lab: BAT

CD-1 CRL Mouse Male	DAY ON TEST	0 3 6 1	0 3 6 1	0 3 6 1	0 3 6 1	0 3 6 1	0 3 6 1	0 3 6 2	0 3 6 2	0 3 6 2	0 3 6 2	0 3 6 2	0 3 6 2	0 3 6 3	0 3 6 3	0 3 6 3	0 3 6 3	0 3 6 3	0 3 6 4	0 3 6 4	0 3 6 4	0 3 6 4	0 3 6 4	0 3 6 5	0 3 2 5	0 3 6 5	0 3 6 5	0 2 7 4	0 3 2 2	0 3 6 5	0 3 6 5	
	ANIMAL ID	0 0 3 0	0 0 3 0 2	00000	0 0 3 0 4	00305	0 0 3 0 6	0 0 3 0 7	0 0 3 0 8	0 0 3 0 9	0 0 3 1 0	0 0 3 1 1	0 0 3 1 2	00313	0 0 3 1 4	00315	00316	0 0 3 1 7	8 - 2 - 0 0	00319	00320	0 0 3 2	0 0 3 2 2	0 0 3 2 3	0 0 3 2 4	00325	0 0 3 2 6	0 0 3 2 7	0 0 3 2 8	00329	0 0 3 3 0	

Alimentary System

NONE

Cardiovascular System

NONE

Endocrine System

NONE

General Body System

NONE

Genital System

NONE

Hematopoietic System

NONE

Integumentary System

Skin		+			+	+			+	+
Acanthosis					4				3	3
Inflammation, Chronic Active					3				4	4
Ulcer, Multiple									4	4
Skin, Control	+	+	+	+ +	+	+	+	+		+
Acanthosis		1		1 1	1	1		2		1

+ .. Tissue examined microscopically

M .. Missing tissue

1-4 ..Lesion qualified as:

X .. Lesion present I .. Insufficient tissue A .. Autolysis precludes evaluation

1) Minimal 3) Moderate

BLANK .. Not examined microscopically

2) Mild

^{* ..}Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

Test Type: INIT/PROMOT

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

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

Route: DERMAL, SOLUTION | SKIN APPLICATION

Species/Strain: Mouse/CD-1 CRL

Time Report Requested: 15:33:54 CAS Number: INIT/PROM

First Dose M/F: NA / NA

Date Report Requested: 10/23/2014

Lab: BAT

CD-1 CRL Mouse Male DMBA 2.5/ BPO 20	ANIMAL ID	0 3 6 1 0 0 3 0 1	0 3 6 1 0 0 3 0 2	0 3 6 1 0 0 3 0 3	0 3 6 1 0 0 3 0 4	0 3 6 1 0 0 3 0 5	0 3 6 1 0 0 3 0 6	0 3 6 2 0 0 3 0 7	0 3 6 2 0 0 3 0 8	0 3 6 2 0 0 3 0 9	0 3 6 2 0 0 3 1 0	0 3 6 2 0 0 3 1	0 3 6 2 0 0 3 1 2	0 3 6 3 0 0 3 1 3	0 3 6 3 0 0 3 1 4	0 3 6 3 0 0 3 1 5	0 3 6 3 0 0 3 1 6	0 3 6 3 0 0 3 1 7	0 3 6 4 0 0 3 1 8	0 3 6 4 0 0 3 1 9	0 3 6 4 0 0 3 2 0	0 3 6 4 0 0 3 2 1	0 3 6 4 0 0 3 2 2	0 3 6 5 0 0 3 2 3	0 3 2 5 0 0 3 2 4	0 3 6 5 0 0 3 2 5	0 3 6 5 0 0 3 2 6	0 2 7 4 0 0 3 2 7	0 3 2 2 0 0 3 2 8	0 3 6 5 0 0 3 2 9	0 3 6 5 0 0 3 3 0
Inflammation, Chronic Active				1						1	1	1								1					1				1		
Skin, SOA-Mass						+																+								+	
Skin, SOA-No Mass		+	+	+	+	+		+	+	+	+	+	+	+	+		+	+	+	+	+		+	+	+	+	+		+	+	+
Acanthosis		2	3		1	2		3	2	1	1	1	1	3	3		2	1	3	3	1		1	3	2	1	1		3	1	1
Hair Follicle, Cyst																									Χ						
Inflammation, Chronic Active		4	4	1		1		2	2	1	1	1	1	2	2		1	1	3	4	1		1	2	4	1	1		4	1	
Ulcer		4	4					4	4											4											
Ulcer, Multiple																									4				4		

Musculoskeletal System

NONE

Nervous System

NONE

Respiratory System

NONE

Special Senses System

NONE

Urinary System

NONE

+ .. Tissue examined microscopically

M .. Missing tissue

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

X ..Lesion present

A .. Autolysis precludes evaluation

2) Mild

4) Marked

I .. Insufficient tissue

BLANK .. Not examined microscopically

^{* ..}Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Type: INIT/PROMOT

Date Report Requested: 10/23/2014 Time Report Requested: 15:33:54

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

First Dose M/F: NA / NA

Lab: BAT

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

DAY ON TEST

CD-1 CRL Mouse Male DMBA 2.5/ BPO 20

ANIMAL ID

*TOTALS

Alimentary System

NONE

Cardiovascular System

NONE

Endocrine System

NONE

General Body System

NONE

Genital System

NONE

Hematopoietic System

NONE

Integumentary System

Skin	5		
Acanthosis		3	3.3
Inflammation, Chronic Active		3	3.7
Ulcer, Multiple		2	4.0
Skin, Control	10		
Acanthosis		7	1.1
Inflammation, Chronic Active		7	1.0

+ ..Tissue examined microscopically

M .. Missing tissue

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

X ..Lesion present
I ..Insufficient tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

2) Mild

^{* ..}Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

CAS Number: INIT/PROM

Test Type: INIT/PROMOT Route: DERMAL, SOLUTION | SKIN APPLICATION **Test Compound:** Init/prom comparative mouse study (DMBA/TPA/BPO/MNNG)

Species/Strain: Mouse/CD-1 CRL

First Dose M/F: NA / NA

Date Report Requested: 10/23/2014 Time Report Requested: 15:33:54

Lab: BAT

DAY ON TEST

CD-1 CRL Mouse Male DMBA 2.5/ BPO 20

ANIMAL ID

	*TOTA	<u>LS</u>
Skin, SOA-Mass	3	
Skin, SOA-No Mass	26	
Acanthosis	25	1.8
Hair Follicle, Cyst	1	
Inflammation, Chronic Active	24	1.9
Ulcer	5	4.0
Ulcer, Multiple	2	4.0

Musculoskeletal System

NONE

Nervous System

NONE

Respiratory System

NONE

Special Senses System

NONE

Urinary System

NONE

+ .. Tissue examined microscopically

M .. Missing tissue

1) Minimal 3) Moderate

1-4 ..Lesion qualified as:

X ..Lesion present

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

I .. Insufficient tissue

^{* ..}Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

Experiment Number: 05117-02 P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

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

Route: DERMAL, SOLUTION | SKIN APPLICATION | First Dose

Species/Strain: Mouse/CD-1 CRL

Test Type: INIT/PROMOT

Date Report Requested: 10/23/2014 Time Report Requested: 15:33:54

First Dose M/F: NA / NA

Lab: BAT

CD-1 CRL Mouse Male	DAY ON TEST	0 3 6 1	0 3 6 1	0 3 6	0 3 6 1	0 3 6 2	0 3 6 2	0 3 6 2	0 3 2 2 2	0 3 6 2	0 3 6 2	0 3 6 3	0 1 6 6	0 2 2 2	0 3 6 3	0 3 6 3	0 3 6 3	0 3 6 3	0 3 6 4	0 3 6 4	0 3 6 4	0 3 6 4	0 3 6 4	0 2 3 5	0 3 6 5	0 3 6 5	0 3 1 3	0 2 0 3	0 3 6 5	0 3 6 5	0 3 6 5
DWIDA 23/ BPO 20	ANIMAL ID	0 0 3 3 1	0 0 3 3 2	0 0 3 3 3	0 0 3 3 4	0 0 3 3 5	0 0 3 3 6	0 0 3 3 7	0 0 3 3 8	0 0 3 3 9	0 0 3 4 0	0 0 3 4 1	0 0 3 4 2	0 0 3 4 3	0 0 3 4 4	0 0 3 4 5	0 0 3 4 6	0 0 3 4 7	0 0 3 4 8	0 0 3 4 9	0 0 3 5 0	0 0 3 5 1	00352	00353	0 0 3 5 4	0 0 3 5 5	00356	0 0 3 5 7	00358	0 0 3 5 9	0 0 3 6 0

Alimentary System

NONE

Cardiovascular System

NONE

Endocrine System

NONE

General Body System

NONE

Genital System

NONE

Hematopoietic System

NONE

Integumentary System

Skin	+ +	+	+ +	+	+	+ +
Acanthosis	3	3	3	4	3	3 3
Hair Follicle, Cyst		X				
Inflammation, Chronic Active	4	4	4	4	4	4 4
Ulcer			4			4
Ulcer, Multiple	4	4		4	4	4

+ .. Tissue examined microscopically

M .. Missing tissue

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

X ..Lesion presentI ..Insufficient tissue

A .. Autolysis precludes evaluation

2) Mild

4) Marked

BLANK ..Not examined microscopically

^{* ..}Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Type: INIT/PROMOT

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

Route: DERMAL, SOLUTION | SKIN APPLICATION

Species/Strain: Mouse/CD-1 CRL

Date Report Requested: 10/23/2014 Time Report Requested: 15:33:54

First Dose M/F: NA / NA

Lab: BAT

CD-1 CRL Mouse Male DMBA 25/ BPO 20	AY ON TEST	0 3 6 1 0 0 3 3	0 3 6 1 0 0 3 3 2	0 3 6 1 0 0 3 3 3	0 3 6 1 0 0 3 3 4	0 3 6 2 0 0 3 3 5	0 3 6 2 0 0 3 3 6	0 3 6 2 0 0 3 3 7	0 3 2 2 0 0 3 3 8	0 3 6 2 0 0 3 3 9	0 3 6 2 0 0 3 4 0	0 3 6 3 0 0 3 4 1	0 1 6 6 0 0 3 4 2	0 2 2 2 0 0 3 4 3	0 3 6 3 0 0 3 4 4	0 3 6 3 0 0 3 4 5	0 3 6 3 0 0 3 4 6	0 3 6 3 0 0 3 4 7	0 3 6 4 0 0 3 4 8	0 3 6 4 0 0 3 4 9	0 3 6 4 0 0 3 5 0	0 3 6 4 0 0 3 5 1	0 3 6 4 0 0 3 5 2	0 2 3 5 0 0 3 5 3	0 3 6 5 0 0 3 5 4	0 3 6 5 0 0 3 5 5	0 3 1 3 0 0 3 5 6	0 2 0 3 0 0 3 5 7	0 3 6 5 0 0 3 5 8	0 3 6 5 0 0 3 5 9	0 3 6 5 0 0 3 6 0
Skin, Control		+			+		+	+	+	+	+	+													+		+		+	+	
Acanthosis					1		1	1	1	1	1	1																	1	1	
Inflammation, Chronic Active		1			1			1	1	1		1													1		1				
Skin, SOA-Mass			+							+	+				+					+	+				+			+	+		
Skin, SOA-No Mass		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+	+	+	+	+	+	+	+	+	+	+	+
Acanthosis		2	3	1	2	3	1	2	2	1	3	1	3	1	1	1	3	3		2	1	1	2	2	1	2	2	1	2	3	3
Inflammation, Chronic Active		2	3	1	1	4	1	2	3	1		1	3	1	1	1	3	4		1	1	1	2	2	1	2	2	1	1	4	4
Ulcer			4						4																						
Ulcer, Multiple						4											4	4												4	4

Musculoskeletal System

NONE

Nervous System

NONE

Respiratory System

NONE

Special Senses System

NONE

Urinary System

NONE

+ .. Tissue examined microscopically

M .. Missing tissue

1-4 ..Lesion qualified as:

X ..Lesion present

A .. Autolysis precludes evaluation

1) Minimal 3) Moderate

I .. Insufficient tissue

BLANK .. Not examined microscopically

2) Mild 4) Marked

^{* ..}Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL **Test Compound:** Init/prom comparative mouse study (DMBA/TPA/BPO/MNNG)

CAS Number: INIT/PROM

Test Type: INIT/PROMOT Route: DERMAL, SOLUTION | SKIN APPLICATION

Date Report Requested: 10/23/2014 Time Report Requested: 15:33:54

First Dose M/F: NA / NA

Lab: BAT

Species/Strain: Mouse/CD-1 CRL

DAY ON TEST

CD-1 CRL Mouse Male DMBA 25/ BPO 20

ANIMAL ID

*TOTALS

Alimentary System

NONE

Cardiovascular System

NONE

Endocrine System

NONE

General Body System

NONE

Genital System

NONE

Hematopoietic System

NONE

Integumentary System

Skin	9		
Acanthosis		7	3.1
Hair Follicle, Cyst		1	
Inflammation, Chronic Active		7	4.0
Ulcer		2	4.0
Ulcer, Multiple		5	4.0
Skin, Control	12		

+ .. Tissue examined microscopically

M .. Missing tissue

1-4 ..Lesion qualified as:

X .. Lesion present

A .. Autolysis precludes evaluation

1) Minimal 3) Moderate

I .. Insufficient tissue

BLANK .. Not examined microscopically

^{* ..}Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

Route: DERMAL, SOLUTION | SKIN APPLICATION

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

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

CAS Number: INIT/PROM

Date Report Requested: 10/23/2014 Time Report Requested: 15:33:54

First Dose M/F: NA / NA

Lab: BAT

DAY ON TEST

CD-1 CRL Mouse Male DMBA 25/ BPO 20

Species/Strain: Mouse/CD-1 CRL

Test Type: INIT/PROMOT

ANIMAL ID

	*TC	<u> </u>	<u>LS</u>
Acanthosis		9	1.0
Inflammation, Chronic Active		8	1.0
Skin, SOA-Mass	9		
Skin, SOA-No Mass	29		
Acanthosis		29	1.9
Inflammation, Chronic Active		28	1.9
Ulcer		2	4.0
Ulcer, Multiple		5	4.0

Musculoskeletal System

NONE

Nervous System

NONE

Respiratory System

NONE

Special Senses System

NONE

Urinary System

NONE

+ .. Tissue examined microscopically

M .. Missing tissue

1) Minimal 3) Moderate

X ..Lesion present

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

2) Mild 4) Marked

1-4 ..Lesion qualified as:

Page 51

I ..Insufficient tissue BLANK

^{* ..}Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

Species/Strain: Mouse/CD-1 CRL

Route: DERMAL, SOLUTION | SKIN APPLICATION

Test Type: INIT/PROMOT

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

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

CAS Number: INIT/PROM

Date Report Requested: 10/23/2014 Time Report Requested: 15:33:54

First Dose M/F: NA / NA

Lab: BAT

DAY ON TEST

CD-1 CRL Mouse Male SENTINEL MALE

ANIMAL ID

*TOTALS

Alimentary System

NONE

Cardiovascular System

NONE

Endocrine System

NONE

General Body System

NONE

Genital System

NONE

Hematopoietic System

NONE

Integumentary System

NONE

Musculoskeletal System

NONE

Nervous System

NONE

+ .. Tissue examined microscopically

M .. Missing tissue

1-4 ..Lesion qualified as:1) Minimal 3) Moderate

X ..Lesion presentI ..Insufficient tissue

A .. Autolysis precludes evaluation

BLANK ..Not examined microscopically

2) Mild 4) Marked

^{* ..}Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Type: INIT/PROMOT

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

Route: DERMAL, SOLUTION | SKIN APPLICATION

First Dose M/F: NA / NA

Lab: BAT

Date Report Requested: 10/23/2014 Time Report Requested: 15:33:54

Species/Strain: Mouse/CD-1 CRL

CAS Number: INIT/PROM

DAY ON TEST

CD-1 CRL Mouse Male SENTINEL MALE

ANIMAL ID

*TOTALS

Respiratory System

NONE

Special Senses System

NONE

Urinary System

NONE

END OF MALE DATA

M .. Missing tissue

A .. Autolysis precludes evaluation

X .. Lesion present I .. Insufficient tissue

BLANK .. Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild

^{* ..}Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

^{+ ..} Tissue examined microscopically

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

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

Date Report Requested: 10/23/2014 Time Report Requested: 15:33:54

CAS Number: INIT/PROM

First Dose M/F: NA / NA

. _ _ _

Species/Strain: Mouse/CD-1 CRL

Route: DERMAL, SOLUTION | SKIN APPLICATION

Lab: BAT

DAY ON TEST		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CD-1 CRL Mouse Female	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	2	3	3	3	3	3	3	3	2	3	3
VEHICLE CONTROL	1	1	1	1	1	1	2	2	2	2	2	2	3	3	3	3	3	3	2	7	4	4	4	4	5	5	5	6	5	5
ANIMAL ID	0	0	0	0	0	0 0	0	0 0	0	0	0	0	0	0	0	0	0	0 0	0	0	0	0	0	0	0	0	0	0	0	0
	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
	l ĭ	2	3	4	5	6	7	8	9	Ó	1	2	3	4	5	6	7	8	9	ŏ	1	2	3	4	5	6	7	8	9	ŏ

Alimentary System

NONE

Cardiovascular System

NONE

Endocrine System

NONE

General Body System

NONE

Genital System

NONE

Hematopoietic System

NONE

Integumentary System

Skin	+	+	+	+	+	+	+	+	+	+		+	+	+	+	+	+	+	+	+	+	+	+
Acanthosis																3						3	
Inflammation, Chronic Active																4						4	
Metaplasia, Osseous																						3	
Ulcer																4						4	
Skin, Control								+	-		+		+										

+ .. Tissue examined microscopically

M .. Missing tissue

1-4 ..Lesion qualified as:

X ..Lesion present

A .. Autolysis precludes evaluation

1) Minimal 3) Moderate

I .. Insufficient tissue

BLANK .. Not examined microscopically

2) Mild 4) Marked

^{* ..}Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

Species/Strain: Mouse/CD-1 CRL

Route: DERMAL, SOLUTION | SKIN APPLICATION

Test Type: INIT/PROMOT

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

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

CAS Number: INIT/PROM

Time Report Requested: 15:33:55

First Dose M/F: NA / NA

Date Report Requested: 10/23/2014

Lab: BAT

DAY CD-1 CRL Mouse Female VEHICLE CONTROL	ON TEST	0 3 6 1	0 3 6 1	0 3 6 1	0 3 6 1	0 3 6 1	0 3 6 1	0 3 6 2	0 3 6 2	0 3 6 2	0 3 6 2	0 3 6 2	0 3 6 2	0 3 6 3	0 3 6 3	0 3 6 3	0 3 6 3	0 3 6 3	0 3 6 3	0 3 6 2	0 2 3 7	0 3 6 4	0 3 6 4	0 3 6 4	0 3 6 4	0 3 6 5	0 3 6 5	0 3 6 5	0 2 9 6	0 3 6 5	0 3 6 5
	ANIMAL ID	0 0 3 6 1	00362	0 0 3 6 3	0 0 3 6 4	0 0 3 6 5	0 0 3 6 6	0 0 3 6 7	0 0 3 6 8	0 0 3 6 9	0 0 3 7 0	0 0 3 7 1	0 0 3 7 2	0 0 3 7 3	0 0 3 7 4	0 0 3 7 5	0 0 3 7 6	0 0 3 7 7	0 0 3 7 8	0 0 3 7 9	0 0 3 8 0	0 0 3 8 1	0 0 3 8 2	0 0 3 8 3	0 0 3 8 4	0 0 3 8 5	0 0 3 8 6	0 0 3 8 7	0 0 3 8 8	0 0 3 8 9	0 0 3 9 0
Inflammation, Chronic Active										1			1				1														
Skin, SOA-No Mass										+			+	+						+		+	+		+				+		+
Acanthosis										1										1		1			2				3		
Inflammation, Chronic Active										1			1	1						1		1	1		3				3		1
Ulcer																									4						
Ulcer, Multiple																													4		

Musculoskeletal System

NONE

Nervous System

NONE

Respiratory System

NONE

Special Senses System

NONE

Urinary System

NONE

+ .. Tissue examined microscopically

M .. Missing tissue

1) Minimal 3) Moderate

X ..Lesion present I .. Insufficient tissue

A .. Autolysis precludes evaluation BLANK .. Not examined microscopically

2) Mild

1-4 ..Lesion qualified as:

^{* ..}Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

Species/Strain: Mouse/CD-1 CRL

Route: DERMAL, SOLUTION | SKIN APPLICATION

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

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

CAS Number: INIT/PROM

Date Report Requested: 10/23/2014
Time Report Requested: 15:33:55

First Dose M/F: NA / NA

Lab: BAT

DAY ON TEST

CD-1 CRL Mouse Female VEHICLE CONTROL

ANIMAL ID

*TOTALS

Alimentary System

NONE

Cardiovascular System

NONE

Endocrine System

NONE

General Body System

NONE

Genital System

NONE

Hematopoietic System

NONE

Integumentary System

Skin	22		
Acanthosis		2	3.0
Inflammation, Chronic Active		2	4.0
Metaplasia, Osseous		1	3.0
Ulcer		2	4.0
Skin, Control	3		
Inflammation, Chronic Active		3	1.0

+ .. Tissue examined microscopically

M .. Missing tissue

1-4 ..Lesion qualified as:

X ..Lesion present

A .. Autolysis precludes evaluation

1) Minimal 3) Moderate

I .. Insufficient tissue

BLANK .. Not examined microscopically

2) Mild 4) Marked

^{* ..}Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL **Test Compound:** Init/prom comparative mouse study (DMBA/TPA/BPO/MNNG)

CAS Number: INIT/PROM

Test Type: INIT/PROMOT

Date Report Requested: 10/23/2014 Time Report Requested: 15:33:55

First Dose M/F: NA / NA

Lab: BAT

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

DAY ON TEST

CD-1 CRL Mouse Female VEHICLE CONTROL

ANIMAL ID

	*TOTAL	<u>_S_</u>
Skin, SOA-No Mass	9	
Acanthosis	5	1.6
Inflammation, Chronic Active	9	1.4
Ulcer	1	4.0
Ulcer, Multiple	1	4.0

Musculoskeletal System

NONE

Nervous System

NONE

Respiratory System

NONE

Special Senses System

NONE

Urinary System

NONE

+ .. Tissue examined microscopically

M .. Missing tissue

1-4 ..Lesion qualified as: 1) Minimal 3) Moderate

X ..Lesion present I .. Insufficient tissue A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

2) Mild

^{* ..}Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

Experiment Number: 05117-02 P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

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

Test Type: INIT/PROMOT CAS Number: INIT/PROM Route: DERMAL, SOLUTION | SKIN APPLICATION

Species/Strain: Mouse/CD-1 CRL

Date Report Requested: 10/23/2014 Time Report Requested: 15:33:55

First Dose M/F: NA / NA

Lab: BAT

DAY ON TEST CD-1 CRL Mouse Female DMBA0.25/ACETONE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	2	3	3	3	3	3	3	3	3	3	3
	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	0	6	6	6	6	6	6	6	6	6	6
	1	1	1	1	1	2	2	2	2	2	2	3	3	3	3	3	3	4	4	0	4	4	4	4	5	5	5	5	5	5
ANIMAL ID	0 0 3 9 1	0 0 3 9 2	0 0 3 9 3	0 0 3 9 4	00395	0 0 3 9 6	0 0 3 9 7	0 0 3 9 8	0 0 3 9 9	0 0 4 0 0	0 0 4 0 1	0 0 4 0 2	0 0 4 0 3	0 0 4 0 4	0 0 4 0 5	0 0 4 0 6	0 0 4 0 7	0 0 4 0 8	0 0 4 0 9	0 0 4 1 0	0 0 4 1 1	0 0 4 1 2	0 0 4 1 3	0 0 4 1 4	0 0 4 1 5	0 0 4 1 6	0 0 4 1 7	0 0 4 1 8	0 0 4 1 9	0 0 4 2

Alimentary System

NONE

Cardiovascular System

NONE

Endocrine System

NONE

General Body System

NONE

Genital System

NONE

Hematopoietic System

NONE

Integumentary System

Skin	+ -	+ +	+	+	+	+	+		+	+	+	+	+	+	+	+	+	+	+	+	+	+		+	+		+
Skin, Control			+					+																		+	
Inflammation, Chronic Active			1					1																		1	
Skin, SOA-No Mass			+				+	+															+			+	
Acanthosis																							2				
Inflammation, Chronic Active			1				1	1															2			1	

+ .. Tissue examined microscopically

M .. Missing tissue

1-4 ..Lesion qualified as:

X .. Lesion present

A .. Autolysis precludes evaluation

1) Minimal 3) Moderate

I .. Insufficient tissue

BLANK .. Not examined microscopically

^{* ..}Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

Species/Strain: Mouse/CD-1 CRL

Test Type: INIT/PROMOT

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

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

Route: DERMAL, SOLUTION | SKIN APPLICATION

CAS Number: INIT/PROM

Date Report Requested: 10/23/2014 Time Report Requested: 15:33:55

First Dose M/F: NA / NA

Lab: BAT

DAY ON TEST	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CD-1 CRL Mouse Female	3	3	3	3	3	3	3	3 6	3	3	3	3	3	3	3	3	3	3	3	2	3	3	3	3	3	3	3	3 6	3	3
DMBA0.25/ACETONE	1	1	1	1	0 1	2	2	2	2	2	2	3	3	3	3	3	3	4	4	0	4	4	4	4	5	5	5	5	5	5
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3	3 9	3	3	3	3	3 9	3 9	3 9	4 0	4	4 0	4	4	4 0	4	4 0	4 0	4 0	4	4	4	4	4	4	4	4	4	4	4 2
	1	2	3	4	5	6	7	8	9	ő	ĭ	2	3	4	5	6	7	8	9	Ö	1	2	3	4	5	6	7	8	9	0

Musculoskeletal System

NONE

Nervous System

NONE

Respiratory System

NONE

Special Senses System

NONE

Urinary System

NONE

+ .. Tissue examined microscopically

M .. Missing tissue

X ..Lesion present I .. Insufficient tissue A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild

^{* ..}Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

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

CAS Number: INIT/PROM

Date Report Requested: 10/23/2014 Time Report Requested: 15:33:55

First Dose M/F: NA / NA

Lab: BAT

DAY ON TEST

CD-1 CRL Mouse Female DMBA0.25/ACETONE

Species/Strain: Mouse/CD-1 CRL

Route: DERMAL, SOLUTION | SKIN APPLICATION

ANIMAL ID

*TOTALS

Alimentary System

NONE

Cardiovascular System

Test Type: INIT/PROMOT

NONE

Endocrine System

NONE

General Body System

NONE

Genital System

NONE

Hematopoietic System

NONE

Integumentary System

Musculoskeletal System

Skin Skin, Control	25 3		
Inflammation, Chronic Active		3	1.0
Skin, SOA-No Mass	5		
Acanthosis		1	2.0
Inflammation, Chronic Active		5	1.2

+ ..Tissue examined microscopicallyM ..Missing tissue1-4 ..Lesion qualified as:X ..Lesion presentA ..Autolysis precludes evaluation1) Minimal 3) Moderate

I ..Insufficient tissue BLANK ..Not examined microscopically

^{* ..}Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

CAS Number: INIT/PROM

Test Type: INIT/PROMOT

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

Route: DERMAL, SOLUTION | SKIN APPLICATION

First Dose M/F: NA / NA

Date Report Requested: 10/23/2014 Time Report Requested: 15:33:55

Species/Strain: Mouse/CD-1 CRL

Lab: BAT

DAY ON TEST

CD-1 CRL Mouse Female DMBA0.25/ACETONE

ANIMAL ID

*TOTALS

NONE

Nervous System

NONE

Respiratory System

NONE

Special Senses System

NONE

Urinary System

NONE

+ .. Tissue examined microscopically

M .. Missing tissue

X .. Lesion present

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild

^{* ..}Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

Experiment Number: 05117-02 P09: NON-NEOPLAS

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

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

CAS Number: INIT/PROM

Date Report Requested: 10/23/2014
Time Report Requested: 15:33:55

First Dose M/F: NA / NA

Lab: BAT

DAY ON TEST	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CD-1 CRL Mouse Female	3	3 6	3 6	3	3 6	3 6	3 6	3 6	3 6	3 6	3 6	3 6	3 6	1 9	3 6	3 6	3 6	3 6	3 6	3 6	3 6	3	3	3 6	<i>3 6</i>	3 6	3 6	3 6	3 6	3 6
DMBA 2.5/ACETONE ANIMAL ID	0 0	0 0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4 2 1	2 2	4 2 3	4 2 4	4 2 5	4 2 6	4 2 7	4 2 8	4 2 9	3	4 3 1	4 3 2	3	4 3 4	3 5	3	3 7	3 8	4 3 9	4 4 0	4 4 1	4 4 2	4 4 3	4 4 4	4 4 5	4 4 6	4 4 7	4 4 8	4 4 9	4 5 0

Alimentary System

NONE

Cardiovascular System

Test Type: INIT/PROMOT

Species/Strain: Mouse/CD-1 CRL

Route: DERMAL, SOLUTION | SKIN APPLICATION

NONE

Endocrine System

NONE

General Body System

NONE

Genital System

NONE

Hematopoietic System

NONE

Integumentary System

Skin	+	+			+	+	+	+	+	+	+	+	+	+	+	+	+		+	+	+	+
Acanthosis											3											
Hair Follicle, Cyst											Χ											
Inflammation, Chronic Active											4											
Ulcer, Multiple											4											
Skin, Control		+	+ +	+							+							+				

+ .. Tissue examined microscopically

M .. Missing tissue

1-4 ..Lesion qualified as:

X ..Lesion present

A .. Autolysis precludes evaluation

1) Minimal 3) Moderate

I ..Insufficient tissue

BLANK .. Not examined microscopically

2) Mild 4) Marked

^{* ..}Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

Species/Strain: Mouse/CD-1 CRL

Test Type: INIT/PROMOT

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

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

Route: DERMAL, SOLUTION | SKIN APPLICATION

CAS Number: INIT/PROM

First Dose M/F: NA / NA

Date Report Requested: 10/23/2014

Time Report Requested: 15:33:55

Lab: BAT

CD-1 CRL Mouse Female DMBA 2.5/ACETONE	ON TEST	0 3 6 1 0 0 4 2 1	0 3 6 1 0 0 4 2 2	0 3 6 1 0 0 4 2 3	0 3 6 1 0 0 4 2 4	0 3 6 1 0 0 4 2 5	0 3 6 1 0 0 4 2 6	0 3 6 2 0 0 4 2 7	0 3 6 2 0 0 4 2 8	0 3 6 2 0 0 4 2 9	0 3 6 2 0 0 4 3 0	0 3 6 2 0 0 4 3 1	0 3 6 2 0 0 4 3 2	0 3 6 3 0 0 4 3 3	0 1 9 3 0 0 4 3 4	0 3 6 3 0 0 4 3 5	0 3 6 3 0 0 4 3 6	0 3 6 3 0 0 4 3 7	0 3 6 3 0 0 4 3 8	0 3 6 3 0 0 4 3 9	0 3 6 4 0 0 4 4 4	0 3 6 4 0 0 4 4 4 1	0 3 6 4 0 0 4 4 2	0 3 6 4 0 0 4 4 4 3	0 3 6 4 0 0 4 4 4 4	0 3 6 4 0 0 4 4 4 5	0 3 6 5 0 0 4 4 6	0 3 6 5 0 0 4 4 7	0 3 6 5 0 0 4 4 8	0 3 6 5 0 0 4 4 9	0 3 6 5 0 0 4 5 0
Inflammation, Chronic Active				1		1	1	1							1										1						
Skin, SOA-No Mass					+	+		+							+		+				+			+	+				+	+	
Acanthosis																	1				3									1	
Inflammation, Chronic Active					1	1		1							1		1				1			1	1				1	1	

Musculoskeletal System

NONE

Nervous System

NONE

Respiratory System

NONE

Special Senses System

NONE

Urinary System

NONE

+ .. Tissue examined microscopically

M .. Missing tissue

1-4 ..Lesion qualified as:

X ..Lesion present

A .. Autolysis precludes evaluation

1) Minimal 3) Moderate

I .. Insufficient tissue

BLANK .. Not examined microscopically

^{* ..}Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

Route: DERMAL, SOLUTION | SKIN APPLICATION

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

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

CAS Number: INIT/PROM

Species/Strain: Mouse/CD-1 CRL

Test Type: INIT/PROMOT

First Dose M/F: NA / NA

Date Report Requested: 10/23/2014 Time Report Requested: 15:33:55

Lab: BAT

DAY ON TEST

CD-1 CRL Mouse Female DMBA 2.5/ACETONE

ANIMAL ID

*TOTALS

Alimentary System

NONE

Cardiovascular System

NONE

Endocrine System

NONE

General Body System

NONE

Genital System

NONE

Hematopoietic System

NONE

Integumentary System

Skin	19		
Acanthosis		1	3.0
Hair Follicle, Cyst		1	
Inflammation, Chronic Active		1	4.0
Ulcer, Multiple		1	4.0
Skin, Control	6		
Inflammation, Chronic Active		6	1.0

+ .. Tissue examined microscopically

M .. Missing tissue

1-4 ..Lesion qualified as:

X .. Lesion present

A .. Autolysis precludes evaluation

4) Marked 2) Mild

1) Minimal 3) Moderate

I .. Insufficient tissue

BLANK .. Not examined microscopically

^{* ..}Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

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

CAS Number: INIT/PROM

Test Type: INIT/PROMOT

Tir

Date Report Requested: 10/23/2014 Time Report Requested: 15:33:55

First Dose M/F: NA / NA

Lab: BAT

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

DAY ON TEST

CD-1 CRL Mouse Female DMBA 2.5/ACETONE

ANIMAL ID

	*TOTA	<u>.LS</u>
Skin, SOA-No Mass	10	
Acanthosis	3	1.7
Inflammation, Chronic Active	10	1.0

Musculoskeletal System

NONE

Nervous System

NONE

Respiratory System

NONE

Special Senses System

NONE

Urinary System

NONE

+ .. Tissue examined microscopically

M .. Missing tissue

1-4 ..Lesion qualified as:1) Minimal 3) Moderate

X ..Lesion presentI ..Insufficient tissue

A .. Autolysis precludes evaluation

2) Mild

^{* ..}Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

Test Type: INIT/PROMOT

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

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

Route: DERMAL, SOLUTION | SKIN APPLICATION

Species/Strain: Mouse/CD-1 CRL

CAS Number: INIT/PROM

Date Report Requested: 10/23/2014 Time Report Requested: 15:33:55

First Dose M/F: NA / NA

Lab: BAT

DAY ON TEST	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CD-1 CRL Mouse Female	3	3	3	3	3	3	3	3	3	3	3	1	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
DMBA 25/ACETONE	0	6	0	0	6 1	6 1	6 2	2	6 2	0 2	0 2	9	<i>6 3</i>	6 3	6 3	6 3	6 3	3	6 4	6 4	6 4	6	6	6 4	5	5	5	5	5	5
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ANIIVIAL ID	1 0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5	5	5	5	5	5	5	5	5	6	6	6	6	6	6	6	6	6	6	7	7	7	7	7	7	7	7	7	7	8
	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0

Alimentary System

NONE

Cardiovascular System

NONE

Endocrine System

NONE

General Body System

NONE

Genital System

NONE

Hematopoietic System

NONE

Integumentary System

Skin Skin, Control Inflammation, Chronic Active 1 Skin, SOA-No Mass Inflammation, Chronic Active 2

+ .. Tissue examined microscopically

M .. Missing tissue

1-4 ..Lesion qualified as:

X ..Lesion present

A .. Autolysis precludes evaluation

1) Minimal 3) Moderate

I .. Insufficient tissue

BLANK .. Not examined microscopically

^{* ..}Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

Test Type: INIT/PROMOT

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

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

CAS Number: INIT/PROM

Date Report Requested: 10/23/2014

Time Report Requested: 15:33:55

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

Species/Strain: Mouse/CD-1 CRL

Route: DERMAL, SOLUTION | SKIN APPLICATION

DAY ON TEST		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CD-1 CRL Mouse Female	3 6	6	6	6	6	6	6	3 6	3 6	6	6	6	3 6	6	6	6	6	3 6	3 6	3 6	3 6	6	6	6	3 6	3 6	3 6	3 6	3 6	6
DMBA 25/ACETONE ANIMAL ID	0	0 0	0	0	0	0	0 0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4 5 1	4 5 2	4 5 3	4 5 4	4 5 5	5 6	4 5 7	4 5 8	4 5 9	4 6 0	4 6 1	4 6 2	4 6 3	4 6 4	6	6	4 6 7	4 6 8	4 6 9	4 7 0	4 7 1	4 7 2	4 7 3	4 7 4	4 7 5	4 7 6	4 7 7	4 7 8	4 7 9	4 8 0

Musculoskeletal System

NONE

Nervous System

NONE

Respiratory System

NONE

Special Senses System

NONE

Urinary System

NONE

+ .. Tissue examined microscopically

M .. Missing tissue

A .. Autolysis precludes evaluation

X ..Lesion present I .. Insufficient tissue

BLANK .. Not examined microscopically

2) Mild

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate 4) Marked

^{* ..}Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

Route: DERMAL, SOLUTION | SKIN APPLICATION

Test Type: INIT/PROMOT

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

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

CAS Number: INIT/PROM

Date Report Requested: 10/23/2014 Time Report Requested: 15:33:55

First Dose M/F: NA / NA

Lab: BAT

DAY ON TEST

CD-1 CRL Mouse Female DMBA 25/ACETONE

Species/Strain: Mouse/CD-1 CRL

ANIMAL ID

*TOTALS

Alimentary System

NONE

Cardiovascular System

NONE

Endocrine System

NONE

General Body System

NONE

Genital System

NONE

Hematopoietic System

NONE

Integumentary System

Skin 24 Skin, Control 1

Inflammation, Chronic Active 1 1.0

Skin, SOA-No Mass

Inflammation, Chronic Active 5 1.2

Musculoskeletal System

NONE

I .. Insufficient tissue

+ .. Tissue examined microscopically M .. Missing tissue X .. Lesion present

5

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

^{* ..}Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL **Test Compound:** Init/prom comparative mouse study (DMBA/TPA/BPO/MNNG)

CAS Number: INIT/PROM

Test Type: INIT/PROMOT

Date Report Requested: 10/23/2014 Time Report Requested: 15:33:56

Route: DERMAL, SOLUTION | SKIN APPLICATION

First Dose M/F: NA / NA

Species/Strain: Mouse/CD-1 CRL

Lab: BAT

DAY ON TEST

CD-1 CRL Mouse Female DMBA 25/ACETONE

ANIMAL ID

*TOTALS

Nervous System

NONE

Respiratory System

NONE

Special Senses System

NONE

Urinary System

NONE

+ .. Tissue examined microscopically

M .. Missing tissue

X .. Lesion present I .. Insufficient tissue A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

^{* ..}Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

Test Type: INIT/PROMOT

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

CAS Number: INIT/PROM

Route: DERMAL, SOLUTION | SKIN APPLICATION

Species/Strain: Mouse/CD-1 CRL

Date Report Requested: 10/23/2014 Time Report Requested: 15:33:56 **Test Compound:** Init/prom comparative mouse study (DMBA/TPA/BPO/MNNG)

First Dose M/F: NA / NA

Lab: BAT

DAY ON TEST	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CD-1 CRL Mouse Female	2	3	3	3	2	3	3	3	3	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	2	3	3	3	2	3
DMBA2.5/COMPLETE	8	1	0 1	0 1	6	0 1	0 1	1	3	5	2	2	2	3	2	$\begin{vmatrix} z \\ 0 \end{vmatrix}$	3	3	3	3	4	4	4	4	1	5	5	5	5	9
ANIMAL ID	0	0	0	0	0 0	0	0 0	0 0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 0	0	0	0	0	0
,	0 4	4	0 4	4	0 4	4	0 4	4	4	4	4	4	4	4	4	0 4	4	4	4	0 5	5	5	5	5	5	5	5	5	5	5
	8	8	8	8	8	8	8	8	8	9	9	9	9	9	9	9	9	9	9	0	0	0	0	0	0	0	0	0	0	1
	1	2	3	4	5	6	7	8	9	Ó	1	2	3	4	5	6	7	8	9	Ó	1	2	3	4	5	6	7	8	9	0

Alimentary System

NONE

Cardiovascular System

NONE

Endocrine System

NONE

General Body System

NONE

Genital System

NONE

Hematopoietic System

NONE

Integumentary System

Skin, Control	+	+		+			+		+	+	+	+									+			+	+		+	+	+	+
Acanthosis	1	2		1			1					1									1							1		
Inflammation, Chronic Active	1	2					1		1	1	1	1									1			1	2		1	1	1	1
Skin, SOA-Mass	+	+	+	+		+	+	+	+	+	+	+	+	+	+	+	+	+		+	+	+	+	+	+		+	+		
Acanthosis																					4									
Skin, SOA-No Mass	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+	+	+	+	+	+	+		+	+	+	+	+

M .. Missing tissue

1-4 ..Lesion qualified as:

X ..Lesion present

A .. Autolysis precludes evaluation

1) Minimal 3) Moderate

I .. Insufficient tissue

BLANK .. Not examined microscopically

^{* ..}Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

^{+ ..} Tissue examined microscopically

Species/Strain: Mouse/CD-1 CRL

Test Type: INIT/PROMOT

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

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

Route: DERMAL, SOLUTION | SKIN APPLICATION

CAS Number: INIT/PROM

Date Report Requested: 10/23/2014 Time Report Requested: 15:33:56

First Dose M/F: NA / NA

Lab: BAT

CD-1 CRL Mouse Female DMBA2.5/COMPLETE	ON TEST	0 2 9 8 0 0 4 8 1	0 3 6 1 0 0 4 8 2	0 3 6 1 0 0 4 8 3	0 3 6 1 0 0 4 8 4	0 2 8 6 0 0 4 8 5	0 3 6 1 0 0 4 8 6	0 3 6 1 0 0 4 8 7	0 3 2 1 0 0 4 8 8	0 3 4 3 0 0 4 8 9	0 2 4 5 0 0 4 9 0	0 3 6 2 0 0 4 9 1	0 3 6 2 0 0 4 9 2	0 3 6 2 0 0 4 9 3	0 3 2 3 0 0 4 9 4	0 3 6 2 0 0 4 9 5	0 3 2 0 0 0 4 9 6	0 3 6 3 0 0 4 9 7	0 3 6 3 0 0 4 9 8	0 3 6 3 0 0 4 9	0 3 6 3 0 0 5 0	0 3 6 4 0 0 5 0	0 3 6 4 0 0 5 0 2	0 3 6 4 0 0 5 0 3	0 3 6 4 0 0 5 0 4	0 2 7 1 0 0 5 0 5	0 3 6 5 0 0 5 0 6	0 3 6 5 0 0 5 0 7	0 3 6 5 0 0 5 0 8	0 2 2 5 0 0 5 0 9	0 3 4 9 0 0 5 1
Acanthosis		1	4	2		3	1	2		2	2	1	3	3	2	1	2		3	3	3	2	2	3	2		2	1	1		2
Inflammation, Chronic Active		2	4	2	4	4	1	1	3	2	2	1	4	2	4	1	2		1	2	4	2		2	3		2	1	1	1	4
Ulcer					4	4									4						4				4						
Ulcer, Multiple													4																		4

Musculoskeletal System

NONE

Nervous System

NONE

Respiratory System

NONE

Special Senses System

NONE

Urinary System

NONE

+ .. Tissue examined microscopically

M .. Missing tissue

1-4 ..Lesion qualified as:

X ..Lesion present I .. Insufficient tissue A .. Autolysis precludes evaluation

2) Mild

1) Minimal 3) Moderate 4) Marked

BLANK .. Not examined microscopically

^{* ..}Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

Species/Strain: Mouse/CD-1 CRL

Route: DERMAL, SOLUTION | SKIN APPLICATION

Test Type: INIT/PROMOT

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

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

CAS Number: INIT/PROM

Date Report Requested: 10/23/2014 Time Report Requested: 15:33:56

First Dose M/F: NA / NA

Lab: BAT

DAY ON TEST

CD-1 CRL Mouse Female DMBA2.5/COMPLETE

ANIMAL ID

*TOTALS

Alimentary System

NONE

Cardiovascular System

NONE

Endocrine System

NONE

General Body System

NONE

Genital System

NONE

Hematopoietic System

NONE

Integumentary System

Skin, Control	15		
Acanthosis		7	1.1
Inflammation, Chronic Active		14	1.1
Skin, SOA-Mass	25		
Acanthosis		1	4.0
Skin, SOA-No Mass	28		
Acanthosis		25	2.1

+ .. Tissue examined microscopically

M .. Missing tissue

1-4 ..Lesion qualified as:

X .. Lesion present

A .. Autolysis precludes evaluation

1) Minimal 3) Moderate 4) Marked

I .. Insufficient tissue

BLANK .. Not examined microscopically

2) Mild

^{* ..}Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Type: INIT/PROMOT Route: DERMAL, SOLUTION | SKIN APPLICATION **Test Compound:** Init/prom comparative mouse study (DMBA/TPA/BPO/MNNG)

Species/Strain: Mouse/CD-1 CRL

CAS Number: INIT/PROM First Dose M/F: NA / NA

Lab: BAT

Date Report Requested: 10/23/2014 Time Report Requested: 15:33:56

DAY ON TEST

CD-1 CRL Mouse Female DMBA2.5/COMPLETE

ANIMAL ID

	*TOTA	LS
Inflammation, Chronic Active	27	2.3
Ulcer	5	4.0
Ulcer, Multiple	2	4.0

Musculoskeletal System

NONE

Nervous System

NONE

Respiratory System

NONE

Special Senses System

NONE

Urinary System

NONE

+ .. Tissue examined microscopically

M .. Missing tissue

X ..Lesion present I .. Insufficient tissue A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

4) Marked 2) Mild

^{* ..}Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

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

Route: DERMAL, SOLUTION | SKIN APPLICATION

CAS Number: INIT/PROM

First Dose M/F: NA / NA

Date Report Requested: 10/23/2014 Time Report Requested: 15:33:56

Lab: BAT

DAY ON TEST	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CD-1 CRL Mouse Female	3	3	3	3	3	3	3	3	3	2	2	3	2	1	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
	6	6	6	2	6	6	6	6	6	9	9	6	7	4	6	6	6	6	6	4	6	6	6	6	6	6	6	6	6	6
TPA 5/ COMPLETE	1	1	1	2	1	2	2	2	2	7	7	2	4	8	3	3	2	3	3	3	4	4	4	4	4	5	5	5	5	5
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ANIIVIAL IL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	3	3	3	3	3	3	3	3	3	3	4
	1 1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1 1	2	3	4	5	6	7	8	9	0

Alimentary System

NONE

Cardiovascular System

Test Type: INIT/PROMOT

Species/Strain: Mouse/CD-1 CRL

NONE

Endocrine System

NONE

General Body System

NONE

Genital System

NONE

Hematopoietic System

NONE

Integumentary System

Skin	+		+						+	+		+					+					+					+	
Acanthosis	3		3						2	2		3					3					2						
Inflammation, Chronic Active	4		4						4	4		4					4					4						
Ulcer												4										4						
Ulcer, Multiple	4		4						4	4							4										4	
Skin, Control	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+	+	+	+		+

+ .. Tissue examined microscopically

M .. Missing tissue

1-4 ..Lesion qualified as:

X ..Lesion present

A .. Autolysis precludes evaluation

1) Minimal 3) Moderate

I .. Insufficient tissue

BLANK .. Not examined microscopically

4) Marked 2) Mild

^{* ..}Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

CAS Number: INIT/PROM

Test Type: INIT/PROMOT
Route: DERMAL, SOLUTION | SKIN APPLICATION

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

Date Report Requested: 10/23/2014 Time Report Requested: 15:33:56

First Dose M/F: NA / NA

First Dose M/F: NA / Lab: BAT

Species/Strain: Mouse/CD-1 CRL

DAY ON TEST CD-1 CRL Mouse Female TPA 5/ COMPLETE ANIMAL ID	3 6 1	0 3 6 1 0 0 5 1 2	0 3 6 1 0 0 5 1 3	0 3 2 2 2 0 0 5 1 4	0 3 6 1 0 0 5 1 5	0 3 6 2 0 0 5 1 6	0 3 6 2 0 0 5 1 7	0 3 6 2 0 0 5 1 8	0 3 6 2 0 0 5 1 9	0 2 9 7 0 0 5 2 0	0 2 9 7 0 0 5 2	0 3 6 2 0 0 5 2 2	0 2 7 4 0 0 5 2 3	0 1 4 8 0 0 5 2 4	0 3 6 3 0 0 5 2 5	0 3 6 3 0 0 5 2 6	0 3 6 2 0 0 5 2 7	0 3 6 3 0 0 5 2 8	0 3 6 3 0 0 5 2	0 3 4 3 0 0 5 3 0	0 3 6 4 0 0 5 3 1	0 3 6 4 0 0 5 3 2	0 3 6 4 0 0 5 3 3	0 3 6 4 0 0 5 3 4	0 3 6 4 0 0 5 3 5	0 3 6 5 0 0 5 3 6	0 3 6 5 0 0 5 3 7	0 3 6 5 0 0 5 3 8	0 3 6 5 0 0 5 3 9	0 3 6 5 0 0 5 4 0
Acanthosis	3		2	2	2	2	1		2	2	2	1	2	1		1	2	3		1	1	1			1			2		1
Inflammation, Chronic Active	2		2	2	2	2	1	2	2	2	2	2	2	1	1	1	2	2		2	2	1	1		1	1	1	2		2
Skin, SOA-Mass		+	+				+	+								+	+									+				
Acanthosis																										2				
Skin, SOA-No Mass	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Acanthosis	3	2	3	3	3	3	2	2	2	2	2	1	3	3	2	2	2	3	4	2	2	2	2	2	3	3	1	3	4	2
Inflammation, Chronic Active	4	2	2	3	2	4	2	2	2	3	4	2	4	4	2	2	3	3	4	2		2	2	2	2	2	1	2	4	2
Ulcer											4		4				4	4												
Ulcer, Multiple	4			4		4								4					4											

Musculoskeletal System

NONE

Nervous System

NONE

Respiratory System

NONE

Special Senses System

NONE

Urinary System

NONE

+ .. Tissue examined microscopically

M .. Missing tissue

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

X ..Lesion presentI ..Insufficient tissue

A .. Autolysis precludes evaluation

2) Mild

^{* ..}Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

Species/Strain: Mouse/CD-1 CRL

Route: DERMAL, SOLUTION | SKIN APPLICATION

Test Type: INIT/PROMOT

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

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

CAS Number: INIT/PROM

Date Report Requested: 10/23/2014 Time Report Requested: 15:33:56

First Dose M/F: NA / NA

Lab: BAT

DAY ON TEST

CD-1 CRL Mouse Female TPA 5/ COMPLETE

ANIMAL ID

*TOTALS

Alimentary System

NONE

Cardiovascular System

NONE

Endocrine System

NONE

General Body System

NONE

Genital System

NONE

Hematopoietic System

NONE

Integumentary System

Skin	8		
Acanthosis		7	2.6
Inflammation, Chronic Active		7	4.0
Ulcer		2	4.0
Ulcer, Multiple		6	4.0
Skin, Control	26		
Acanthosis		21	1.7

+ ..Tissue examined microscopically

M .. Missing tissue

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

X ..Lesion presentI ..Insufficient tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

2) Mild

^{* ..}Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Type: INIT/PROMOT

Species/Strain: Mouse/CD-1 CRL

Route: DERMAL, SOLUTION | SKIN APPLICATION

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

CAS Number: INIT/PROM

Date Report Requested: 10/23/2014 Time Report Requested: 15:33:56

First Dose M/F: NA / NA

Lab: BAT

DAY ON TEST

CD-1 CRL Mouse Female TPA 5/ COMPLETE

ANIMAL ID

	*TOTALS	<u>S</u> _
Inflammation, Chronic Active	26 1	.7
Skin, SOA-Mass	7	
Acanthosis	1 2	.0
Skin, SOA-No Mass	30	
Acanthosis	30 2	.4
Inflammation, Chronic Active	29 2	.6
Ulcer	4 4	.0
Ulcer, Multiple	5 4	.0

Musculoskeletal System

NONE

Nervous System

NONE

Respiratory System

NONE

Special Senses System

NONE

Urinary System

NONE

+ .. Tissue examined microscopically

M .. Missing tissue

1) Minimal 3) Moderate

X ..Lesion present

A .. Autolysis precludes evaluation

2) Mild

1-4 ..Lesion qualified as:

4) Marked

I .. Insufficient tissue

BLANK .. Not examined microscopically

^{* ..}Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

Experiment Number: 05117-02 P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

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

CAS Number: INIT/PROM

Species/Strain: Mouse/CD-1 CRL

Route: DERMAL, SOLUTION | SKIN APPLICATION

Test Type: INIT/PROMOT

Date Report Requested: 10/23/2014
Time Report Requested: 15:33:56

First Dose M/F: NA / NA

Lab: BAT

DAY ON TEST	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CD-1 CRL Mouse Female	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
BPO 20/ COMPLETE	0 1	1	1	0 1	1	1	2	2	2	2	2	2	3	3	3	3	3	3	4	<i>o 4</i>	4	4	4	4	5	5	5	5	5	5
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 4	5 4	5	5 4	5 4	5 4	5 4	5 4	5 4	5	5	5 5	5 5	5	5	5	5	5	5 5	5	5 6	5	5	5	5	5	5	5	5	5
	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	ő	1	2	3	4	5	6	7	8	9	ó

Alimentary System

NONE

Cardiovascular System

NONE

Endocrine System

NONE

General Body System

NONE

Genital System

NONE

Hematopoietic System

NONE

Integumentary System

 Skin
 +

 Acanthosis
 3

 Inflammation, Chronic Active
 4

 Ulcer
 4

 Skin, Control
 +
 +
 +
 +
 +
 +
 +
 +
 +
 +
 +
 +
 +
 +
 +
 +
 +
 +
 +
 +
 +
 +
 +
 +
 +
 +
 +
 +
 +
 +
 +
 +
 +
 +
 +
 +
 +
 +
 +
 +
 +
 +
 +
 +
 +
 +
 +
 +
 +
 +
 +
 +
 +
 +
 +
 +
 +
 +
 +
 +
 +
 +
 +
 +
 +
 +
 +
 +
 +
 +
 +
 +
 +
 +
 +
 +
 +
 +
 +
 +
 +
 +
 +
 +
 +
 +
 +
 +
 +
 +
 +
 +
 +
 +
 +
 +
 +
 +
 +
 +
 +
 +
 <

+ .. Tissue examined microscopically

M .. Missing tissue

1-4 ..Lesion qualified as:

X ..Lesion present

A .. Autolysis precludes evaluation

1) Minimal 3) Moderate

I .. Insufficient tissue

BLANK .. Not examined microscopically

^{* ..}Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

Species/Strain: Mouse/CD-1 CRL

Route: DERMAL, SOLUTION | SKIN APPLICATION

Test Type: INIT/PROMOT

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

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

CAS Number: INIT/PROM

Date Report Requested: 10/23/2014

Time Report Requested: 15:33:56

First Dose M/F: NA / NA

Lab: BAT

CD-1 CRL Mouse Female BPO 20/ COMPLETE	AY ON TEST	0 3 6 1 0 0 5 4 1	0 3 6 1 0 0 5 4 2	0 3 6 1 0 0 5 4 3	0 3 6 1 0 0 5 4 4	0 3 6 1 0 0 5 4 5	0 3 6 1 0 0 5 4 6	0 3 6 2 0 0 5 4 7	0 3 6 2 0 0 5 4 8	0 3 6 2 0 0 5 4 9	0 3 6 2 0 0 5 5	0 3 6 2 0 0 5 5	0 3 6 2 0 0 5 5	0 3 6 3 0 0 5 5 3	0 3 6 3 0 0 5 5	0 3 6 3 0 0 5 5	0 3 6 3 0 0 5 5 6	0 3 6 3 0 0 5 5	0 3 6 3 0 0 5 5 8	0 3 6 4 0 0 5 5 9	0 3 6 4 0 0 5 6 0	0 3 6 4 0 0 5 6 1	0 3 6 4 0 0 5 6 2	0 3 6 4 0 0 5 6 3	0 3 6 4 0 0 5 6 4	0 3 6 5 0 0 5 6 5	0 3 6 5 0 0 5 6 6	0 3 6 5 0 0 5 6 7	0 3 6 5 0 0 5 6 8	0 3 6 5 0 0 5 6 9	0 3 6 5 0 0 5 7 0
Inflammation, Chronic Active		2	1	1	2	1	1	1	1	1	2	1	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Skin, SOA-No Mass		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Acanthosis		2	2	1	2	2	2	2	1	1	1	1	1	2	2	1	2	1	1	1	1	2	1	1	1	1	1	1	1	3	1
Inflammation, Chronic Active Ulcer, Multiple		2	2	1	2	2	2	2	2	2	2	2	2	2	2	2	2	1	2	1	2	2	1	2	1	2	1	2	1	4 4	1

Musculoskeletal System

NONE

Nervous System

NONE

Respiratory System

NONE

Special Senses System

NONE

Urinary System

NONE

+ .. Tissue examined microscopically

M .. Missing tissue

A .. Autolysis precludes evaluation

1) Minimal 3) Moderate

1-4 ..Lesion qualified as:

X ..Lesion presentI ..Insufficient tissue

BLANK ..Not examined microscopically

^{* ..}Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

Route: DERMAL, SOLUTION | SKIN APPLICATION

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

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

Species/Strain: Mouse/CD-1 CRL

Test Type: INIT/PROMOT

CAS Number: INIT/PROM First Dose M/F: NA / NA

.

Date Report Requested: 10/23/2014 Time Report Requested: 15:33:56

Lab: BAT

DAY ON TEST

CD-1 CRL Mouse Female BPO 20/ COMPLETE

ANIMAL ID

*TOTALS

Alimentary System

NONE

Cardiovascular System

NONE

Endocrine System

NONE

General Body System

NONE

Genital System

NONE

Hematopoietic System

NONE

Integumentary System

Skin	1		
Acanthosis		1	3.0
Inflammation, Chronic Active		1	4.0
Ulcer		1	4.0
Skin, Control	30		
Acanthosis		20	1.2
Inflammation, Chronic Active		30	1.3

+ .. Tissue examined microscopically

M .. Missing tissue

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

X ..Lesion present

A .. Autolysis precludes evaluation

2) Mild

4) Marked

I ..Insufficient tissue

BLANK .. Not examined microscopically

^{* ..}Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

Species/Strain: Mouse/CD-1 CRL

Route: DERMAL, SOLUTION | SKIN APPLICATION

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

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

CAS Number: INIT/PROM

Date Report Requested: 10/23/2014 Time Report Requested: 15:33:56

First Dose M/F: NA / NA

Lab: BAT

DAY ON TEST

CD-1 CRL Mouse Female BPO 20/ COMPLETE

ANIMAL ID

	*TOTA	<u>LS</u>
Skin, SOA-No Mass	30	
Acanthosis	30	1.4
Inflammation, Chronic Active	30	1.8
Ulcer, Multiple	1	4.0

Musculoskeletal System

NONE

Nervous System

NONE

Respiratory System

NONE

Special Senses System

NONE

Urinary System

NONE

+ .. Tissue examined microscopically

M .. Missing tissue

1-4 ..Lesion qualified as:1) Minimal 3) Moderate

X ..Lesion present

I ..Insufficient tissue

A .. Autolysis precludes evaluation

evamined microscopically

2) Mild

^{* ..}Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Type: INIT/PROMOT Test Con

Date Report Requested: 10/23/2014
Time Report Requested: 15:33:57

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

CAS Number: INIT/PROM

First Dose M/F: NA / NA

Species/Strain: Mouse/CD-1 CRL

Route: DERMAL, SOLUTION | SKIN APPLICATION

Lab: BAT

DAY ON TEST		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CD-1 CRL Mouse Female	7	3 6	<i>3 6</i>	<i>3 6</i>	2 6	<i>3 6</i>	9	<i>3 6</i>	3 1	3 2	<i>3 6</i>	3 6	3 6	<i>3 4</i>	2	3 6	3 6	3 6	3 4											
DMBA0.25/ TPA 5	0	0	0	0	<i>7</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	4 0	0	0	0	0	0	0	0	0	0	<u>5</u>	0
ANIMAL ID	0 5	0 5	0 5	0 5	0 5	0 5	0 5	0 5	0 5	0 5	0 5	0 5	0 5	0 5	0 5	0 5	0 5	0 5	0 5	0 5	0 5	0 5	0 5	0 5	0 5	0 5	0 5	0 5	0 5	0
	7	7 2	7	7	7 5	7 6	7 7	7 8	7 9	8 0	8 1	8 2	8	8 4	8 5	8	8 7	8 8	8 9	9	9	9	9	9	9	9 6	9	9	9	0

Alimentary System

NONE

Cardiovascular System

NONE

Endocrine System

NONE

General Body System

NONE

Genital System

NONE

Hematopoietic System

NONE

Integumentary System

Skin	+	+	+	+	+
Acanthosis	3	3	3	3	
Alopecia					X
Inflammation, Chronic Active	4	3	4	4	4
Ulcer			4	4	
Skin, Control	+ +	+ + + +	+ + + +	+ + + + + +	+ + + + + +

+ .. Tissue examined microscopically

M .. Missing tissue

1-4 ..Lesion qualified as:

X ..Lesion present

A .. Autolysis precludes evaluation

1) Minimal 3) Moderate

I .. Insufficient tissue

BLANK .. Not examined microscopically

^{* ..}Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

Species/Strain: Mouse/CD-1 CRL

Route: DERMAL, SOLUTION | SKIN APPLICATION

Test Type: INIT/PROMOT

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

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

CAS Number: INIT/PROM

Date Report Requested: 10/23/2014

Time Report Requested: 15:33:57 First Dose M/F: NA / NA

Lab: BAT

DAY ON TEST CD-1 CRL Mouse Female DMBA0.25/ TPA 5 ANIMAL ID	0 2 7 4 0 0 5 7	0 3 6 1 0 0 5 7 2	0 3 6 1 0 0 5 7 3	0 3 6 1 0 0 5 7 4	0 2 6 7 0 0 5 7 5	0 3 6 1 0 0 5 7 6	0 2 9 2 0 0 5 7	0 3 6 2 0 0 5 7 8	0 3 6 2 0 0 5 7	0 3 6 2 0 0 5 8 0	0 3 6 2 0 0 5 8 1	0 3 6 2 0 0 5 8 2	0 3 6 3 0 0 5 8 3	0 3 1 3 0 0 5 8 4	0 3 2 3 0 0 5 8 5	0 3 6 3 0 0 5 8 6	0 3 6 3 0 0 5 8 7	0 3 6 3 0 0 5 8	0 3 6 4 0 0 5 8 9	0 3 6 4 0 0 5 9	0 3 6 4 0 0 5 9 1	0 3 6 4 0 0 5 9 2	0 3 6 5 0 0 5 9 3	0 3 6 5 0 0 5 9 4	0 3 4 3 0 0 5 9 5	0 2 2 1 0 0 5 9 6	0 3 6 5 0 0 5 9 7	0 3 6 5 0 0 5 9 8	0 3 6 5 0 0 5 9	0 3 4 3 0 0 6 0 0
Acanthosis	1	2		1	3	3	1		2	3		1	2	3		1			1				3		2		1	2	1	3
Inflammation, Chronic Active	1	2		1	2	2	1		1	2		1	2	2		1			2	1	1		1	1	2			2	1	2
Skin, SOA-Mass		+					+	+	+		+	+			+	+	+	+			+	+	+	+	+	+	+	+		
Skin, SOA-No Mass	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+	+	+	+
Acanthosis	3	2	3	3	3	3	3	3	4	3	2	1	3	3	1	3	3	1	2	2	3	2	3	2	2		3	2	2	3
Inflammation, Chronic Active	4	2	2	4	4	2	2	2	3	2	2	1	2	3	1	2	2	1	2	2	2	2	2	2	2		4	2	2	4
Ulcer, Multiple				4	4				4																		4			4

Musculoskeletal System

NONE

Nervous System

NONE

Respiratory System

NONE

Special Senses System

NONE

Urinary System

NONE

+ .. Tissue examined microscopically

M .. Missing tissue

A .. Autolysis precludes evaluation

2) Mild

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

X ..Lesion present I .. Insufficient tissue

BLANK .. Not examined microscopically

^{* ..}Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL **Test Compound:** Init/prom comparative mouse study (DMBA/TPA/BPO/MNNG)

CAS Number: INIT/PROM

Test Type: INIT/PROMOT Route: DERMAL, SOLUTION | SKIN APPLICATION

Date Report Requested: 10/23/2014 Time Report Requested: 15:33:57

First Dose M/F: NA / NA

Lab: BAT

Species/Strain: Mouse/CD-1 CRL

DAY ON TEST

CD-1 CRL Mouse Female DMBA0.25/TPA5

ANIMAL ID

*TOTALS

Alimentary System

NONE

Cardiovascular System

NONE

Endocrine System

NONE

General Body System

NONE

Genital System

NONE

Hematopoietic System

NONE

Integumentary System

Skin	5		
Acanthosis	0	4	3.0
Alopecia		1	
Inflammation, Chronic Active		5	3.8
Ulcer		2	4.0
Skin, Control	22		
Acanthosis		19	1.9

+ .. Tissue examined microscopically

M .. Missing tissue

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

X .. Lesion present I .. Insufficient tissue A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

2) Mild

^{* ..}Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

Route: DERMAL, SOLUTION | SKIN APPLICATION

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

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

CAS Number: INIT/PROM

Date Report Requested: 10/23/2014 Time Report Requested: 15:33:57

First Dose M/F: NA / NA

Lab: BAT

DAY ON TEST

CD-1 CRL Mouse Female DMBA0.25/TPA5

Species/Strain: Mouse/CD-1 CRL

ANIMAL ID

	*TC	<u> </u>	<u>LS</u>
Inflammation, Chronic Active		21	1.5
Skin, SOA-Mass	18		
Skin, SOA-No Mass	29		
Acanthosis		29	2.5
Inflammation, Chronic Active		29	2.3
Ulcer, Multiple		5	4.0

Musculoskeletal System

NONE

Nervous System

NONE

Respiratory System

NONE

Special Senses System

NONE

Urinary System

NONE

+ .. Tissue examined microscopically

M .. Missing tissue

1-4 ..Lesion qualified as: 1) Minimal 3) Moderate

X ..Lesion present

A .. Autolysis precludes evaluation

2) Mild

^{* ..}Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Type: INIT/PROMOT
Route: DERMAL, SOLUTION | SKIN APPLICATION

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

Date Report Requested: 10/23/2014 Time Report Requested: 15:33:57

First Dose M/F: NA / NA

Lab: BAT

Species/Strain: Mouse/CD-1 CRL

DAY ON TEST CD-1 CRL Mouse Female	0 3	0 3	0 2	03	03	0 3	0	0 3	0	0 3	0 3	0 2	0 3	0 2	0 2	0 3	0 3	0 3	0	0	0 3	0 3	0 3	0 3	<i>0 3</i>	0	0 2	0	<i>0 3</i>	0 2
DMBA 2.5/ TPA 5	6 1	6 1	8 5	6 1	6 1	6 2	7 7	6 2	6 2	6 2	6 3	<i>0</i> 5	2 9	7 4	6 3	6 3	6 3	6 3	6 4	6 4	6 4	6 4	0 2	5	6 5	4 1	9 6	6 5	6 5	<i>9</i> 8
ANIMAL ID	0 0 6	0 0 6	0 0 6	0 0 6	0 0 6	0 0 6	0 0 6	0 0 6	0 0 6	0 0 6	0 0 6	0 0 6	006	0 0 6	0 0 6	0 0 6	0 0 6	006	0 0 6	0 0 6	0 0 6	0 0 6	0 0 6	0 0 6	006	0 0 6	0 0 6	0 0 6	0 0 6	0
	0	0 2	0 3	0 4	0 5	0	0 7	0 8	0 9	1 0	1	1 2	1 3	1	1 5	1 6	1 7	1 8	1	2	2	2 2	2 3	2 4	2 5	2	2 7	2 8	2 9	3 0

Alimentary System

NONE

Cardiovascular System

NONE

Endocrine System

NONE

General Body System

NONE

Genital System

NONE

Hematopoietic System

NONE

Integumentary System

Skin												+		+						+			+			
Acanthosis												3		3						3			3			
Inflammation, Chronic Active												4		4						3			4			
Ulcer																							4			
Ulcer, Multiple												4		4												
Skin Control	+	+	+	+	+	+	+	+	+	+	+		+	+	+	+	+	+	+	+	+	+	+	+	+	

+ .. Tissue examined microscopically

M .. Missing tissue

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

X ..Lesion present

A .. Autolysis precludes evaluation

2) Mild

4) Marked

I ..Insufficient tissue

BLANK .. Not examined microscopically

^{* ..}Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

Species/Strain: Mouse/CD-1 CRL

Route: DERMAL, SOLUTION | SKIN APPLICATION

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

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

CAS Number: INIT/PROM

Date Report Requested: 10/23/2014
Time Report Requested: 15:33:57

First Dose M/F: NA / NA

Lab: BAT

DAY ON TE CD-1 CRL Mouse Female DMBA 2.5/ TPA 5 ANIMAL	3 6 1	0 3 6 1 0 0 6 0 6	0 2 8 5 0 0 6 0 3	0 3 6 1 0 0 6 0 6	0 3 6 1 0 0 6 0 5	0 3 6 2 0 0 6 0 6	0 1 7 7 0 0 6 0 7	0 3 6 2 0 0 6 0 8	0 3 6 2 0 0 6 0 9	0 3 6 2 0 0 6 1 0	0 3 6 3 0 0 6 1 1	0 2 0 5 0 0 0 6 1 2	0 3 2 9 0 0 6 1 3	0 2 7 4 0 0 6 1 4	0 2 6 3 0 0 6 1 5	0 3 6 3 0 0 6 1 6	0 3 6 3 0 0 6 1 7	0 3 6 3 0 0 6 1 8	0 3 6 4 0 0 6 1 9	0 3 6 4 0 0 6 2 0	0 3 6 4 0 0 6 2 1	0 3 6 4 0 0 6 2 2	0 3 0 2 0 0 0 6 2 3	0 3 6 5 0 0 6 2 4	0 3 6 5 0 0 6 2 5	0 3 4 1 0 0 6 2 6	0 2 9 6 0 0 6 2 7	0 3 6 5 0 0 6 2 8	0 3 6 5 0 0 6 2 9	0 2 9 8 0 0 6 3 0
Acanthosis	1	3	2	3	2	2		1	2		2				2	3		2		1	3		2	1		2	2	1	2	2
Inflammation, Chronic Active	2	3	2	2	2	1	1	1	2		2	1			4	2		2		1	2	1	3	1	1	2	4	1	1	3
Ulcer															4															
Skin, SOA-Mass	+	+	+	+	+	+	+	+	+	+	+				+		+	+		+	+		+			+			+	+
Skin, SOA-No Mass	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Acanthosis	1	3	3	3	3	3	3	3	2	3	3	2	3	3	1	3	4	3	4	3	3	1	3	4	2	2	2	2	3	3
Inflammation, Chronic Active	1	4	2	2	3	3	4	3	2	2	4	3	4	4	1	3	4	3	4	3	4	2	2	4	2	2	2	2	2	3
Ulcer		4															4				4									
Ulcer, Multiple											4		4	4					4					4						

Musculoskeletal System

NONE

Nervous System

NONE

Respiratory System

NONE

Special Senses System

NONE

Urinary System

NONE

+ .. Tissue examined microscopically

M .. Missing tissue

1-4 ..Lesion qualified as:

X ..Lesion present

A .. Autolysis precludes evaluation

1) Minimal 3) Moderate

I ..Insufficient tissue

BLANK .. Not examined microscopically

^{* ..}Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Type: INIT/PROMOT

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

Route: DERMAL, SOLUTION | SKIN APPLICATION

CAS Number: INIT/PROM

Species/Strain: Mouse/CD-1 CRL

DAY ON TEST

CD-1 CRL Mouse Female DMBA 2.5/ TPA 5

ANIMAL ID

*TOTALS

Alimentary System

NONE

Cardiovascular System

NONE

Endocrine System

NONE

General Body System

NONE

Genital System

NONE

Hematopoietic System

NONE

Integumentary System

Skin	4	
Acanthosis	4	3.0
Inflammation, Chronic Active	4	3.8
Ulcer	1	4.0
Ulcer, Multiple	2	4.0
Skin, Control	25	
Acanthosis	21	2.0

+ .. Tissue examined microscopically

M .. Missing tissue

1-4 ..Lesion qualified as:

X ..Lesion present

A .. Autolysis precludes evaluation

1) Minimal 3) Moderate

Date Report Requested: 10/23/2014 Time Report Requested: 15:33:57

First Dose M/F: NA / NA

Lab: BAT

I .. Insufficient tissue

BLANK .. Not examined microscopically

^{* ..}Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

Route: DERMAL, SOLUTION | SKIN APPLICATION

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

CAS Number: INIT/PROM

Test Type: INIT/PROMOT

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

Species/Strain: Mouse/CD-1 CRL

First Dose M/F: NA / NA

Date Report Requested: 10/23/2014 Time Report Requested: 15:33:57

Lab: BAT

DAY ON TEST

CD-1 CRL Mouse Female DMBA 2.5/TPA 5

ANIMAL ID

	*TC	<u>ATC</u>	LS
Inflammation, Chronic Active		25	1.9
Ulcer		1	4.0
Skin, SOA-Mass	20		
Skin, SOA-No Mass	30		
Acanthosis		30	2.7
Inflammation, Chronic Active		30	2.8
Ulcer		3	4.0
Ulcer, Multiple		5	4.0

Musculoskeletal System

NONE

Nervous System

NONE

Respiratory System

NONE

Special Senses System

NONE

Urinary System

NONE

+ .. Tissue examined microscopically

M .. Missing tissue

X ..Lesion present I .. Insufficient tissue A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

4) Marked 2) Mild

^{* ..}Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

CAS Number: INIT/PROM

Test Type: INIT/PROMOT Route: DERMAL, SOLUTION | SKIN APPLICATION

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

Date Report Requested: 10/23/2014 Time Report Requested: 15:33:57

First Dose M/F: NA / NA

Lab: BAT

Species/Strain: Mouse/CD-1 CRL

DAY ON TEST		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CD-1 CRL Mouse Female DMBA 25/ TPA 5	2 8 8	6 1	3 2 3	3 6 1	6 1	3 6 2	6 2	5 6 2	<i>6</i>	3 2 3	3 1 8	3 0 7	3 4 3	3 1 5	6	6 3	5 4	5 6 4	3 4 9	$\begin{bmatrix} 2 \\ 0 \\ 4 \end{bmatrix}$	2 7 1	6 4	6 5	6 5	2 7 9	5 5	2 7 4	6 5	6 5	3 2 9
ANIMAL ID	_	0 0 6 3 2	0 0 6 3 3	0 0 6 3 4	0 0 6 3 5	0 0 6 3 6	0 0 6 3 7	00638	0 0 6 3 9	0 0 6 4	0 0 6 4	0 0 6 4 2	0 0 6 4 3	0 0 6 4 4	0 0 6 4 5	0 0 6 4 6	0 0 6 4 7	0 0 6 4 8	0 0 6 4 9	0 0 6 5	0 0 6 5 1	0 0 6 5 2	0 0 6 5	0 0 6 5 4	0 0 6 5 5	00656	0 0 6 5 7	0 0 6 5 8	00659	0 0 6 6

Alimentary System

NONE

Cardiovascular System

NONE

Endocrine System

NONE

General Body System

NONE

Genital System

NONE

Hematopoietic System

NONE

Integumentary System

Skin							+		+			+									+
Acanthosis							2		1			3									3
Alopecia									Χ												
Inflammation, Chronic Active							4		1			4									4
Ulcer												4									4
Skin, Control	+	+	+	+	+	+		+	+	+	+	+	+	+	+	+	+	+	-	+ .	+

+ .. Tissue examined microscopically

M .. Missing tissue

1-4 ..Lesion qualified as:

X ..Lesion present I .. Insufficient tissue A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

2) Mild

1) Minimal 3) Moderate 4) Marked

^{* ..}Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

Species/Strain: Mouse/CD-1 CRL

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Type: INIT/PROMOT

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

Route: DERMAL, SOLUTION | SKIN APPLICATION

CAS Number: INIT/PROM

Date Report Requested: 10/23/2014 Time Report Requested: 15:33:57

First Dose M/F: NA / NA

Lab: BAT

CD-1 CRL Mouse Female DMBA 25/ TPA 5	AY ON TEST	0 2 8 8 0 0 6 3 1	0 3 6 1 0 0 6 3 2	0 3 2 3 0 0 6 3 3	0 3 6 1 0 0 6 3 4	0 3 6 1 0 0 6 3 5	0 3 6 2 0 0 6 3 6	0 3 6 2 0 0 6 3 7	0 3 6 2 0 0 6 3 8	0 3 6 3 0 0 6 3 9	0 3 2 3 0 0 6 4 0	0 3 1 8 0 0 6 4	0 3 0 7 0 0 0 6 4 2	0 3 4 3 0 0 6 4 3	0 3 1 5 0 0 6 4 4	0 3 6 3 0 0 6 4 5	0 3 6 3 0 0 6 4 6	0 3 5 4 0 0 6 4 7	0 3 6 4 0 0 6 4 8	0 3 4 9 0 0 6 4 9	0 2 0 4 0 0 6 5 0	0 2 7 1 0 0 6 5 1	0 3 6 4 0 0 6 5 2	0 3 6 5 0 0 6 5 3	0 3 6 5 0 0 6 5 4	0 2 7 9 0 0 6 5 5	0 3 6 5 0 0 6 5 6	0 2 7 4 0 0 6 5 7	0 3 6 5 0 0 6 5 8	0 3 6 5 0 0 6 5 9	0 3 2 9 0 0 6 6 0
Acanthosis		1						3	3	2						1	3	1		1		2	3	2		1	1	1		2	2
Inflammation, Chronic Active		1		1				2	2	2		1				1	2	1	1	2		2	1	2		1	1	3		2	1
Skin, SOA-Mass		+	+	+	+	+	+	+	+		+	+	+	+	+	+		+	+	+	+	+	+	+	+	+	+	+	+	+	+
Acanthosis												2																			
Skin, SOA-No Mass		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Acanthosis		3	3	3	4	4	4	3	3	3	3	3	1	3	3	2	3	2	1	2	3	2	3	2	4	3	3	2	4	3	3
Hair Follicle, Cyst										Χ																					
Inflammation, Chronic Active		4	2	3	4	4	4	4	2	4	3	3	4	4	2	2	4	2	1	2	4	2	4	2	3	3	3	3	4	4	4
Ulcer					4																4						4				4
Ulcer, Multiple		4				4	4	4		4		4		4			4						4						4	4	

Musculoskeletal System

NONE

Nervous System

NONE

Respiratory System

NONE

Special Senses System

NONE

Urinary System

NONE

+ .. Tissue examined microscopically

M .. Missing tissue

1-4 ..Lesion qualified as:

X ..Lesion present

A .. Autolysis precludes evaluation

1) Minimal 3) Moderate

I ..Insufficient tissue

BLANK .. Not examined microscopically

^{* ..}Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL **Test Compound:** Init/prom comparative mouse study (DMBA/TPA/BPO/MNNG)

CAS Number: INIT/PROM

Test Type: INIT/PROMOT

Date Report Requested: 10/23/2014 Time Report Requested: 15:33:57

First Dose M/F: NA / NA

Lab: BAT

Route: DERMAL, SOLUTION | SKIN APPLICATION

Species/Strain: Mouse/CD-1 CRL

DAY ON TEST

CD-1 CRL Mouse Female DMBA 25/ TPA 5

ANIMAL ID

*TOTALS

Alimentary System

NONE

Cardiovascular System

NONE

Endocrine System

NONE

General Body System

NONE

Genital System

NONE

Hematopoietic System

NONE

Integumentary System

Skin	4	
Acanthosis	4	2.3
Alopecia	1	
Inflammation, Chronic Active	4	3.3
Ulcer	2	4.0
Skin, Control	19	
Acanthosis	16	1.8

+ .. Tissue examined microscopically

M .. Missing tissue

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

X .. Lesion present

A .. Autolysis precludes evaluation

2) Mild

4) Marked

BLANK .. Not examined microscopically

^{* ..}Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

I .. Insufficient tissue

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Type: INIT/PROMOT

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

Route: DERMAL, SOLUTION | SKIN APPLICATION

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

Date Report Requested: 10/23/2014 Time Report Requested: 15:33:58

CAS Number: INIT/PROM

Species/Strain: Mouse/CD-1 CRL

DAY ON TEST

CD-1 CRL Mouse Female DMBA 25/ TPA 5

ANIMAL ID

	*TC	<u>ATC</u>	<u>LS</u>
Inflammation, Chronic Active		19	1.5
Skin, SOA-Mass	28		
Acanthosis		1	2.0
Skin, SOA-No Mass	30		
Acanthosis		30	2.8
Hair Follicle, Cyst		1	
Inflammation, Chronic Active		30	3.1
Ulcer		4	4.0
Ulcer, Multiple		11	4.0

Musculoskeletal System

NONE

Nervous System

NONE

Respiratory System

NONE

Special Senses System

NONE

Urinary System

NONE

+ .. Tissue examined microscopically

M .. Missing tissue

1-4 ..Lesion qualified as:1) Minimal 3) Moderate

X ..Lesion present

A .. Autolysis precludes evaluation

2) Mild 4) Marked

I .. Insufficient tissue

BLANK .. Not examined microscopically

^{* ..}Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

Experiment Number: 05117-02 P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

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

Test Type: INIT/PROMOT CAS Number: INIT/PROM Route: DERMAL, SOLUTION | SKIN APPLICATION

Species/Strain: Mouse/CD-1 CRL

Date Report Requested: 10/23/2014 Time Report Requested: 15:33:58

First Dose M/F: NA / NA

Lab: BAT

DAY ON TEST	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CD-1 CRL Mouse Female	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	2	3
DMBA 2.5/ BPO 20	1	1	1	1	1	1	2	2	2	2	6	2	3	3	3	3	3	3	4	4	4	4	4	5	5	5	5	5	7	5
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	6	6 6	6	6 6	6	6 6	6	6 6	6 6	6 7	6 8	6																		
	ĭ	2	3	4	5	6	7	8	9	Ó	1	2	3	4	5	6	7	8	9	ő	1	2	3	4	5	6	7	8	9	ŏ

Alimentary System

NONE

Cardiovascular System

NONE

Endocrine System

NONE

General Body System

NONE

Genital System

NONE

Hematopoietic System

NONE

Integumentary System

Skin Acanthosis Inflammation, Chronic Active Ulcer, Multiple Skin, Control Acanthosis

+ .. Tissue examined microscopically

M .. Missing tissue

1-4 ..Lesion qualified as:

X .. Lesion present

A .. Autolysis precludes evaluation

1) Minimal 3) Moderate

I .. Insufficient tissue

BLANK .. Not examined microscopically

2) Mild

^{* ..}Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

Test Type: INIT/PROMOT

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

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

Route: DERMAL, SOLUTION | SKIN APPLICATION

Species/Strain: Mouse/CD-1 CRL

CAS Number: INIT/PROM

Date Report Requested: 10/23/2014 Time Report Requested: 15:33:58

First Dose M/F: NA / NA

Lab: BAT

DAY ON TEST CD-1 CRL Mouse Female DMBA 2.5/ BPO 20 ANIMAL II	3 6 1	0 3 6 1 0 0 6 6 2	0 3 6 1 0 0 6 6 6 3	0 3 6 1 0 0 6 6 6 4	0 3 6 1 0 0 6 6 6 5	0 3 6 1 0 0 6 6 6 6	0 3 6 2 0 0 6 6 7	0 3 6 2 0 0 6 6 6 8	0 3 6 2 0 0 6 6 9	0 3 6 2 0 0 6 7 0	0 3 2 6 0 0 6 7	0 3 6 2 0 0 6 7 2	0 3 6 3 0 0 6 7 3	0 3 6 3 0 0 6 7 4	0 3 6 3 0 0 6 7 5	0 3 6 3 0 0 6 7 6	0 3 6 3 0 0 6 7 7	0 3 6 3 0 0 6 7 8	0 3 6 4 0 0 6 7 9	0 3 6 4 0 0 6 8 0	0 3 6 4 0 0 6 8 1	0 3 6 4 0 0 6 8 2	0 3 6 4 0 0 6 8 3	0 3 6 5 0 0 6 8 4	0 3 6 5 0 0 6 8 5	0 3 6 5 0 0 6 8 6	0 3 6 5 0 0 6 8 7	0 3 6 5 0 0 6 8 8	0 2 9 7 0 0 6 8 9	0 3 6 5 0 0 6 9 0
Inflammation, Chronic Active	1	1	2	1	1				1			1	1	1		1		1	1	1			1	1	1	1		1		
Skin, SOA-Mass										+										+					+	+				+
Skin, SOA-No Mass	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Acanthosis	2	2	1	2	1	3	1	1	2	4	2	2	2	1	2	1	1	1	1	1	1	4	1	1	1	1	1	1	3	1
Inflammation, Chronic Active	2	4	1	2	1	4	1	1	2	2	2	2	2	1	2	1	1	1	1	1	1	3	1	1	1	1	1	1	3	1
Ulcer		4																												
Ulcer, Multiple						4																4								

Musculoskeletal System

NONE

Nervous System

NONE

Respiratory System

NONE

Special Senses System

NONE

Urinary System

NONE

+ .. Tissue examined microscopically

M .. Missing tissue

1-4 ..Lesion qualified as:

X ..Lesion present

A .. Autolysis precludes evaluation

1) Minimal 3) Moderate

I .. Insufficient tissue

BLANK .. Not examined microscopically

^{* ..}Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

Species/Strain: Mouse/CD-1 CRL

Route: DERMAL, SOLUTION | SKIN APPLICATION

Test Type: INIT/PROMOT

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

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

CAS Number: INIT/PROM

Date Report Requested: 10/23/2014 Time Report Requested: 15:33:58

First Dose M/F: NA / NA

Lab: BAT

DAY ON TEST

CD-1 CRL Mouse Female DMBA 2.5/ BPO 20

ANIMAL ID

*TOTALS

Alimentary System

NONE

Cardiovascular System

NONE

Endocrine System

NONE

General Body System

NONE

Genital System

NONE

Hematopoietic System

NONE

Integumentary System

Skin	1		
Acanthosis		1	3.0
Inflammation, Chronic Active		1	4.0
Ulcer, Multiple		1	4.0
Skin, Control	19		
Acanthosis		11	1.0
Inflammation, Chronic Active		18	1.1

+ .. Tissue examined microscopically

M .. Missing tissue

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

X ..Lesion present

A .. Autolysis precludes evaluation

2) Mild

^{* ..}Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

Species/Strain: Mouse/CD-1 CRL

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Type: INIT/PROMOT

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

Route: DERMAL, SOLUTION | SKIN APPLICATION

CAS Number: INIT/PROM

Time Report Requested: 15:33:58

Date Report Requested: 10/23/2014

First Dose M/F: NA / NA

Lab: BAT

DAY ON TEST

CD-1 CRL Mouse Female DMBA 2.5/ BPO 20

ANIMAL ID

	*TOT	ALS
Skin, SOA-Mass	5	
Skin, SOA-No Mass	30	
Acanthosis	3	0 1.6
Inflammation, Chronic Active	3	0 1.6
Ulcer		1 4.0
Ulcer, Multiple		2 4.0

Musculoskeletal System

NONE

Nervous System

NONE

Respiratory System

NONE

Special Senses System

NONE

Urinary System

NONE

+ .. Tissue examined microscopically

M .. Missing tissue

1-4 ..Lesion qualified as: 1) Minimal 3) Moderate

X ..Lesion present I .. Insufficient tissue A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

4) Marked 2) Mild

^{* ..}Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

Species/Strain: Mouse/CD-1 CRL

Test Type: INIT/PROMOT

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

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

Route: DERMAL, SOLUTION | SKIN APPLICATION

CAS Number: INIT/PROM

Date Report Requested: 10/23/2014
Time Report Requested: 15:33:58

First Dose M/F: NA / NA

Lab: BAT

DAY ON TEST	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CD-1 CRL Mouse Female	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
DMBA 25/ BPO 20	6	0	0 1	0	6 1	6 1	6 2	6 2	6 2	0 2	0 2	2	<i>6 3</i>	6 3	3	3	3	3	6 4	6 4	6 4	6 4	6 4	6 4	5	5	5	5	5	5
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ANIMALID	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 7	0	0 7	0	0	0	0	0	0	0	0	0	0	0	0	0
	9	9	9	9	9	9	9	9	9	ó	ó	ó	ó	ó	ó	ó	ó	ó	ó	1	1	1	1	1	1	1	1	1	1	2
	1	2	3	4	5	6	7	8	9	0	1 1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	. 0

Alimentary System

NONE

Cardiovascular System

NONE

Endocrine System

NONE

General Body System

NONE

Genital System

NONE

Hematopoietic System

NONE

Integumentary System

+ .. Tissue examined microscopically

M .. Missing tissue

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

X ..Lesion present

A .. Autolysis precludes evaluation

2) Mild

4) Marked

I ..Insufficient tissue

BLANK .. Not examined microscopically

^{* ..}Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

Species/Strain: Mouse/CD-1 CRL

Test Type: INIT/PROMOT

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

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

Route: DERMAL, SOLUTION | SKIN APPLICATION

CAS Number: INIT/PROM

Date Report Requested: 10/23/2014 Time Report Requested: 15:33:58

First Dose M/F: NA / NA

Lab: BAT

			1																												$\overline{}$
D/	AY ON TEST	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CD 1 CBL Mauras Famala		3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
CD-1 CRL Mouse Female)	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
DMBA 25/ BPO 20		1	1	1	1	1	1	2	2	2	2	2	2	3	3	3	3	3	3	4	4	4	4	4	4	5	5	5	5	5	5
227120.21020	A N I I A A I I I D	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		6	6	6	6	6	6	6	6	6	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
		9	9	9	9	9	9	9	9	9	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	2
		1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0
Acanthosis		1	2	2	2	2	2	1	2	1	2	2	4	1	1	2	1	1	1	1		1	1	1		1	1	1	1	1	1
Inflammation, Chronic Active		1	2	2	2	2	2	1	2	1	2	2	3	1	1	2	1	1	1	1		1	1	1		1	1	1	1	1	1

Musculoskeletal System

NONE

Nervous System

NONE

Respiratory System

NONE

Special Senses System

NONE

Urinary System

NONE

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild

^{* ..}Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Type: INIT/PROMOT Route: DERMAL, SOLUTION | SKIN APPLICATION

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

CAS Number: INIT/PROM

Date Report Requested: 10/23/2014 Time Report Requested: 15:33:58

First Dose M/F: NA / NA

Lab: BAT

DAY ON TEST

CD-1 CRL Mouse Female DMBA 25/ BPO 20

Species/Strain: Mouse/CD-1 CRL

ANIMAL ID

*TOTALS

Alimentary System

NONE

Cardiovascular System

NONE

Endocrine System

NONE

General Body System

NONE

Genital System

NONE

Hematopoietic System

NONE

Integumentary System

Skin	1		
Skin, Control	20		
Acanthosis		19	1.0
Inflammation, Chronic Active		19	1.0
Skin, SOA-Mass	6		
Skin, SOA-No Mass	28		
Acanthosis		28	1.4

+ .. Tissue examined microscopically M .. Missing tissue X .. Lesion present A .. Autolysis precludes evaluation

I .. Insufficient tissue BLANK .. Not examined microscopically 1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

4) Marked 2) Mild

^{* ..}Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

Species/Strain: Mouse/CD-1 CRL

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

CAS Number: INIT/PROM

Test Type: INIT/PROMOT

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

Route: DERMAL, SOLUTION | SKIN APPLICATION

First Dose M/F: NA / NA

Date Report Requested: 10/23/2014 Time Report Requested: 15:33:58

Lab: BAT

DAY ON TEST

CD-1 CRL Mouse Female DMBA 25/ BPO 20

ANIMAL ID

*TOTALS

Inflammation, Chronic Active

28 1.4

Musculoskeletal System

NONE

Nervous System

NONE

Respiratory System

NONE

Special Senses System

NONE

Urinary System

NONE

+ .. Tissue examined microscopically

M .. Missing tissue

X .. Lesion present I .. Insufficient tissue A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild

^{* ..}Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

Species/Strain: Mouse/CD-1 CRL

Route: DERMAL, SOLUTION | SKIN APPLICATION

Test Type: INIT/PROMOT

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

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

CAS Number: INIT/PROM

Date Report Requested: 10/23/2014 Time Report Requested: 15:33:58

First Dose M/F: NA / NA

Lab: BAT

DAY ON TEST

CD-1 CRL Mouse Female SENTINEL FEMALE

ANIMAL ID

*TOTALS

Alimentary System

NONE

Cardiovascular System

NONE

Endocrine System

NONE

General Body System

NONE

Genital System

NONE

Hematopoietic System

NONE

Integumentary System

NONE

Musculoskeletal System

NONE

Nervous System

NONE

+ .. Tissue examined microscopically

M .. Missing tissue

1-4 ..Lesion qualified as:1) Minimal 3) Moderate

X ..Lesion presentI ..Insufficient tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

^{* ..}Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Type: INIT/PROMOT

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

Route: DERMAL, SOLUTION | SKIN APPLICATION

CAS Number: INIT/PROM

Time Report Requested: 15:33:58 First Dose M/F: NA / NA

Date Report Requested: 10/23/2014

Lab: BAT

Species/Strain: Mouse/CD-1 CRL

DAY ON TEST

CD-1 CRL Mouse Female SENTINEL FEMALE

ANIMAL ID

*TOTALS

Respiratory System

NONE

Special Senses System

NONE

Urinary System

NONE

** END OF REPORT **

M .. Missing tissue

X ..Lesion present

A .. Autolysis precludes evaluation

I ..Insufficient tissue

BLANK ..Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild

^{* ..}Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

^{+ ..} Tissue examined microscopically