P04: NEOPLASMS 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: 14:50:00 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:	All
Removal Date Range:	All
Treatment Groups:	All
Study Gender:	Both
PWG Approval Date	04/27/1994

P04: NEOPLASMS 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: 14:50:00 First Dose M/F: NA / NA Lab: BAT

DAY ON TEST CD-1 CRL Mouse Male 2 **VEHICLE CONTROL** 0 ANIMAL ID Ō Õ Õ Õ Õ Ō 2 5 8 9 0 2 3 5 6 7 8 9 Õ Õ 0 **Alimentary System** NONE **Cardiovascular System** NONE **Endocrine System** NONE **General Body System** NONE **Genital System** NONE Hematopoietic System NONE **Integumentary System** Skin Subcut Tiss, Hemangiosarcoma Х Skin, Control Skin, SOA-No Mass + + + Musculoskeletal System

* ...Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

P04: NEOPLASMS 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: 14:50:01 First Dose M/F: NA / NA Lab: BAT

CD-1 CRL Mouse Male VEHICLE CONTROL	DAY ON TEST 9 ANIMAL ID	0 3 6 1 0 0 0 0 1	0 3 6 1 0 0 0 0 2	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 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 0 1 0	0 3 6 3 0 0 0 1 1	0 3 6 3 0 0 0 0 1 2	0 3 6 3 0 0 0 1 3	0 3 6 3 0 0 0 0 1 4	0 3 6 3 0 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 0 2 0	0 3 6 4 0 0 0 2 1	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 2 9	0 3 6 5 0 0 0 3 0
NONE Nervous System																															
NONE Respiratory System																															
NONE Special Senses System																															
NONE Urinary System																															
NONE Systemic Lesions																															
Multiple Organ		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

P04: NEOPLASMS 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: 14:50:01 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
Subcut Tiss, Hemangiosarcoma	1
Skin, Control	2
Skin, SOA-No Mass	4
Musculoskeletal System	

	\sim	N I	-
IN	U	IN	

* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

P04: NEOPLASMS 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: 14:50:01 First Dose M/F: NA / NA Lab: BAT

DAY ON TEST

CD-1 CRL Mouse Male VEHICLE CONTROL

ANIMAL ID

*TOTALS

Nervous System

NONE Respiratory System

NONE Special Senses System

. ,

NONE Urinary System

NONE SYSTEMIC LESIONS

Multiple Organ

30

* .. Total animals with tissue examined microscopically; Total animals with tumor

+ ..Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

Experiment Number: 05117-02 Test Type: INIT/PROMOT Route: DERMAL,SOLUTION|SKIN APPLICATION

Species/Strain: Mouse/CD-1 CRL

P04: NEOPLASMS 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: 14:50:01 First Dose M/F: NA / NA Lab: BAT

DAY ON TEST 8 2 2 CD-1 CRL Mouse Male 2 DMBA0.25/ACETONE 0 ANIMAL ID Õ Õ Õ Õ Õ Õ 3 2 3 5 7 8 9 5 0 2 3 5 6 7 8 9 6 6 9 **Alimentary System** NONE **Cardiovascular System** NONE **Endocrine System** NONE **General Body System** NONE **Genital System** NONE Hematopoietic System NONE **Integumentary System** Skin Skin, Control Skin, SOA-Mass + Х Squamous Cell Papilloma Skin, SOA-No Mass + + + +

* ...Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

Experiment Number: 05117-02 Test Type: INIT/PROMOT Route: DERMAL,SOLUTION|SKIN APPLICATION

Species/Strain: Mouse/CD-1 CRL

P04: NEOPLASMS 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: 14:50:01 First Dose M/F: NA / NA Lab: BAT

DAY ON TEST 2 2 8 **CD-1 CRL Mouse Male** 2 DMBA0.25/ACETONE 0 0 ANIMAL ID 0 Õ Õ Õ Ō 0 3 2 5 2 5 6 1 3 5 6 7 8 9 5 0 3 5 7 8 9 3 6 9 **Musculoskeletal System** NONE **Nervous System** NONE **Respiratory System** NONE **Special Senses System**

NONE

Urinary System

NONE SYSTEMIC LESIONS

Multiple Organ

* ...Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

P04: NEOPLASMS 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: 14:50:01 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
Skin, Control	1
Skin, SOA-Mass	1
Squamous Cell Papilloma	1
Skin, SOA-No Mass	8
Musculoskeletal System	

NONE

* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

P04: NEOPLASMS 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: 14:50:01 First Dose M/F: NA / NA Lab: BAT

DAY ON TEST

CD-1 CRL Mouse Male DMBA0.25/ACETONE

ANIMAL ID

*TOTALS

Nervous System

NONE Respiratory System

NONE

Special Senses System

NONE Urinary System

NONE

SYSTEMIC LESIONS

Multiple Organ

30

* .. Total animals with tissue examined microscopically; Total animals with tumor

+ ..Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

P04: NEOPLASMS 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: 14:50:01 First Dose M/F: NA / NA Lab: BAT

DAY ON TEST **CD-1 CRL Mouse Male** 2 **DMBA 2.5/ACETONE** 0 ANIMAL ID Õ Õ Õ Õ Õ Õ 7 5 7 2 5 8 9 2 6 2 5 6 7 8 6 7 0 3 9 **Alimentary System** NONE **Cardiovascular System** NONE **Endocrine System** NONE **General Body System** NONE **Genital System** NONE Hematopoietic System NONE **Integumentary System** Skin Skin, Control + Skin, SOA-No Mass + Musculoskeletal System NONE

* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

P04: NEOPLASMS 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: 14:50:01 First Dose M/F: NA / NA Lab: BAT

DAY ON TEST **CD-1 CRL Mouse Male** 2 **DMBA 2.5/ACETONE** 0 0 ANIMAL ID Ō Õ Õ Õ Õ Ō 7 5 7 6 7 1 2 5 6 8 9 2 0 2 5 6 7 8 9 7 3 . 9 **Nervous System** NONE **Respiratory System** NONE **Special Senses System** NONE **Urinary System** NONE SYSTEMIC LESIONS Multiple Organ

* ...Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

P04: NEOPLASMS 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: 14:50:01 First Dose M/F: NA / NA Lab: BAT

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
Skin, Control	1
Skin, SOA-No Mass	5
Musculoskeletal System	

Musculoskeletal System

NONE Nervous System

* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

P04: NEOPLASMS 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: 14:50:01 First Dose M/F: NA / NA Lab: BAT

DAY ON TEST

CD-1 CRL Mouse Male DMBA 2.5/ACETONE

ANIMAL ID

*TOTALS

30

NONE

Respiratory System

NONE

Special Senses System

NONE

Urinary System

NONE SYSTEMIC LESIONS

Multiple Organ

* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

Experiment Number: 05117-02 Test Type: INIT/PROMOT Route: DERMAL,SOLUTION|SKIN APPLICATION

Species/Strain: Mouse/CD-1 CRL

P04: NEOPLASMS 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: 14:50:01 First Dose M/F: NA / NA Lab: BAT

DAY ON TEST **CD-1 CRL Mouse Male DMBA 25/ACETONE** 0 0 ANIMAL ID Õ Õ Õ Õ Ō 2 5 6 8 9 6 7 2 3 5 8 9 0 Δ **Alimentary System** NONE **Cardiovascular System** NONE **Endocrine System** NONE **General Body System** NONE **Genital System** NONE Hematopoietic System NONE **Integumentary System** Skin Skin, Control + Skin, SOA-Mass + Х Squamous Cell Papilloma, Multiple

* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

Skin, SOA-No Mass

X ..Lesion present

I .. Insufficient tissue

M ...Missing tissue A ...Autolysis precludes evaluation BLANK ...Not examined microscopically

+

+

+

+

+

Experiment Number: 05117-02 Test Type: INIT/PROMOT Route: DERMAL,SOLUTION|SKIN APPLICATION

Species/Strain: Mouse/CD-1 CRL

P04: NEOPLASMS 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: 14:50:01 First Dose M/F: NA / NA Lab: BAT

DAY ON TEST **CD-1 CRL Mouse Male DMBA 25/ACETONE** 0 0 ANIMAL ID Ō Õ Õ Õ Ō Õ Õ Õ 2 5 6 7 8 9 6 2 3 5 8 9 2 0 Δ **Musculoskeletal System** NONE **Nervous System** NONE **Respiratory System** NONE **Special Senses System** NONE **Urinary System** NONE SYSTEMIC LESIONS Multiple Organ

* ...Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

P04: NEOPLASMS 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: 14:50:02 First Dose M/F: NA / NA Lab: BAT

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
Skin, Control	1
Skin, SOA-Mass	1
Squamous Cell Papilloma, Multiple	1
Skin, SOA-No Mass	7
Musculoskeletal System	

NONE

* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

P04: NEOPLASMS 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: 14:50:02 First Dose M/F: NA / NA Lab: BAT

DAY ON TEST

CD-1 CRL Mouse Male DMBA 25/ACETONE

ANIMAL ID

*TOTALS

Nervous System

NONE Respiratory System

NONE

Special Senses System

NONE Urinary System

NONE

SYSTEMIC LESIONS

Multiple Organ

30

* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

P04: NEOPLASMS 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: 14:50:02 First Dose M/F: NA / NA Lab: BAT

DAY ON TEST 9 7 **CD-1 CRL Mouse Male** 7 2 7 7 7 DMBA2.5/COMPLETE 0 0 ANIMAL ID Õ Õ Õ Õ Ō Ō Õ Õ 1 2 2 3 5 6 7 8 2 5 . 3 6 7 . 3 9 9 0 3 8 2 9 5 6 7 **Alimentary System** NONE **Cardiovascular System** NONE **Endocrine System** NONE **General Body System** NONE **Genital System** NONE Hematopoietic System NONE **Integumentary System** Skin + + Skin, Control Skin, SOA-Mass + Х **Basal Cell Adenoma** Keratoacanthoma Х Х х х Х Х Х Squamous Cell Carcinoma х х х Х х х

* ..Total animals with tissue examined microscopically; Total animals with tumor
 + ..Tissue examined microscopically
 A ..Autolysis precludes evaluation
 X ..Lesion present
 BLANK ..Not examined microscopically
 I ..Insufficient tissue

Experiment Number: 05117-02

Test Type: INIT/PROMOT

P04: NEOPLASMS 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: 14:50:02 First Dose M/F: NA / NA Lab: BAT

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

CD-1 CRL Mouse Male DMBA2.5/COMPLETE	Y ON TEST ANIMAL ID	0 3 6 1 0 0 1 2 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	<i>0</i> <i>3</i> <i>5</i> <i>7</i> 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	<i>0</i> 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
Squamous Cell Carcinoma, Multi Squamous Cell Papilloma Squamous Cell Papilloma, Multip		Х			Х				Х		х	X X	x x									х	X X	X X				Х	x x	Х	X X
Skin, SOA-No Mass Musculoskeletal System		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+	+	+		+	+	+	+	+	+	+	+	+	+
NONE Nervous System																															
NONE Respiratory System																															
NONE Special Senses System																															
NONE Urinary System																															
NONE SYSTEMIC LESIONS																															
Multiple Organ		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

 $^{\ast}\,$..Total animals with tissue examined microscopically; Total animals with tumor

+ ..Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

P04: NEOPLASMS 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: 14:50:02 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
Skin, Control	9
Skin, SOA-Mass	24
Basal Cell Adenoma	1
Keratoacanthoma	1
Squamous Cell Carcinoma	12
Squamous Cell Carcinoma, Multiple	11

* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

P04: NEOPLASMS 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: 14:50:02 First Dose M/F: NA / NA Lab: BAT

DAY ON TEST

CD-1 CRL Mouse Male DMBA2.5/COMPLETE

ANIMAL	ID
	*TOTALS
Squamous Cell Papilloma	6
Squamous Cell Papilloma, Multiple	2
Skin, SOA-No Mass	28
Musculoskeletal System	
NONE	
Nervous System	
NONE	
Respiratory System	
NONE	
Special Senses System	
NONE	
Urinary System	
NONE	
SYSTEMIC LESIONS	
Multiple Organ	30

* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

P04: NEOPLASMS 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: 14:50:02 First Dose M/F: NA / NA Lab: BAT

DAY ON TEST 7 0 2 1 CD-1 CRL Mouse Male 2 2 **TPA 5/ COMPLETE** 0 0 ANIMAL ID Õ Õ Õ Õ Ō Õ Õ 5 5 1 2 7 8 9 6 2 . 7 7 . 7 9 3 6 2 3 5 8 9 . 5 Δ **Alimentary System** NONE **Cardiovascular System** NONE **Endocrine System** NONE **General Body System** NONE **Genital System** NONE Hematopoietic System NONE **Integumentary System** Skin + Skin, Control + Skin, SOA-Mass + + Х Keratoacanthoma Squamous Cell Papilloma Х Х Skin, SOA-No Mass

* ..Total animals with tissue examined microscopically; Total animals with tumor
 + ..Tissue examined microscopically
 A ..Autolysis precludes evaluation
 X ..Lesion present
 BLANK ..Not examined microscopically
 I ..Insufficient tissue

P04: NEOPLASMS 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: 14:50:02 First Dose M/F: NA / NA Lab: BAT

DAY ON TEST 7 CD-1 CRL Mouse Male 1 2 2 **TPA 5/ COMPLETE** 0 0 ANIMAL ID Õ Õ Õ Õ Õ Õ Õ 5 5 7 2 1 2 6 7 8 9 6 . 7 5 . 7 7 . 7 9 3 2 3 5 8 9 Δ **Musculoskeletal System** NONE **Nervous System**

NONE

Respiratory System

NONE Special Senses System

NONE

Urinary System

NONE SYSTEMIC LESIONS

Multiple Organ

* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

P04: NEOPLASMS 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: 14:50:02 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
Skin, Control	23
Skin, SOA-Mass	3
Keratoacanthoma	1
Squamous Cell Papilloma	2
Skin, SOA-No Mass	30
Musculoskeletal System	

* .. Total animals with tissue examined microscopically; Total animals with tumor

+ $\hfill ... Tissue examined microscopically$

X ..Lesion present

I .. Insufficient tissue

P04: NEOPLASMS 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: 14:50:02 First Dose M/F: NA / NA Lab: BAT

DAY ON TEST

CD-1 CRL Mouse Male TPA 5/ COMPLETE

ANIMAL ID

*TOTALS

NONE

Nervous System

NONE

Respiratory System

NONE

Special Senses System

NONE

Urinary System

NONE

SYSTEMIC LESIONS

Multiple Organ

30

* .. Total animals with tissue examined microscopically; Total animals with tumor

+ $\hfill ... Tissue examined microscopically$

X ..Lesion present

I .. Insufficient tissue

Experiment Number: 05117-02 Test Type: INIT/PROMOT Route: DERMAL,SOLUTION|SKIN APPLICATION

Species/Strain: Mouse/CD-1 CRL

P04: NEOPLASMS 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: 14:50:02 First Dose M/F: NA / NA Lab: BAT

DAY ON TEST CD-1 CRL Mouse Male 2 **BPO 20/ COMPLETE** 0 0 ANIMAL ID Õ Õ Õ Õ Ō 2 0 2 0 0 6 0 7 0 8 0 9 0 0 0 0 3 0 5 1 5 8 5 6 9 2 6 7 9 2 3 8 **Alimentary System** NONE **Cardiovascular System** NONE **Endocrine System** NONE **General Body System** NONE **Genital System** NONE Hematopoietic System NONE **Integumentary System** Skin Skin, Control + + Skin, SOA-Mass + Squamous Cell Papilloma Х Skin, SOA-No Mass + +

* ..Total animals with tissue examined microscopically; Total animals with tumor
 M ..Missing tissue
 A ..Autolysis precludes evaluation
 X ..Lesion present
 BLANK ..Not examined microscopically
 I ..Insufficient tissue

Experiment Number: 05117-02 Test Type: INIT/PROMOT Route: DERMAL, SOLUTION | SKIN APPLICATION

P04: NEOPLASMS 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: 14:50:02 First Dose M/F: NA / NA Lab: BAT

0 6 0 7 0 8 1

0

0 5

Species/Strain: Mouse/CD-1 CRL DAY ON TEST CD-1 CRL Mouse Male 2 **BPO 20/ COMPLETE** 0 0 ANIMAL ID Õ Õ Õ Õ Ō 2 0 2 0 0 0 0 3 2 5 8 2 5 6 9 1 3 6 7 9 0 3 8

Musculoskeletal System

NONE

Nervous System

NONE

Respiratory System

NONE

Special Senses System

NONE

Urinary System

NONE

SYSTEMIC LESIONS

Multiple Organ

* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

M .. Missing tissue A .. Autolysis precludes evaluation BLANK .. Not examined microscopically

P04: NEOPLASMS 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: 14:50:02 First Dose M/F: NA / NA Lab: BAT

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
Skin, Control	11
Skin, SOA-Mass	1
Squamous Cell Papilloma	1
Skin, SOA-No Mass	28
Musculoskeletal System	

NONE

* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

P04: NEOPLASMS 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: 14:50:02 First Dose M/F: NA / NA Lab: BAT

DAY ON TEST

CD-1 CRL Mouse Male BPO 20/ COMPLETE

ANIMAL ID

*TOTALS

Nervous System

NONE Respiratory System

NONE

Special Senses System

NONE Urinary System

NONE

SYSTEMIC LESIONS

Multiple Organ

30

* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

P04: NEOPLASMS 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: 14:50:02 First Dose M/F: NA / NA Lab: BAT

DAY ON TEST 3 **CD-1 CRL Mouse Male** 2 5 DMBA0.25/ TPA 5 0 0 2 2 5 ANIMAL ID 2 1 Õ 2 1 Õ Õ Õ 2 1 5 2 2 6 2 2 9 2 3 2 2 3 9 2 2 2 1 1 2 2 2 7 2 8 3 3 3 6 3 7 3 8 1 1 1 2 0 2 3 3 0 3 3 3 5 4 **Alimentary System** NONE **Cardiovascular System** NONE **Endocrine System** NONE **General Body System** NONE **Genital System** NONE Hematopoietic System NONE **Integumentary System** Skin + + Subcut Tiss, Sarcoma Х Skin, Control + Skin, SOA-Mass + + + Keratoacanthoma Х х х х х Squamous Cell Papilloma Х Х Х

* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

Experiment Number: 05117-02

Test Type: INIT/PROMOT

P04: NEOPLASMS 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: 14:50:03 First Dose M/F: NA / NA Lab: BAT

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

									1																						
	DAY ON TEST	0 3	03	0 3	$\begin{vmatrix} 0\\ 3 \end{vmatrix}$	0 3	$\begin{vmatrix} 0\\ 3 \end{vmatrix}$	0 3	$\begin{vmatrix} 0\\ 3 \end{vmatrix}$	$\begin{vmatrix} 0\\2 \end{vmatrix}$	0 1	$\begin{vmatrix} 0\\2 \end{vmatrix}$	0 3	0 3	03	$\begin{vmatrix} 0\\ 3 \end{vmatrix}$	$\begin{vmatrix} 0\\2 \end{vmatrix}$	0 3	0 1	0 3	$\begin{vmatrix} 0\\ 3 \end{vmatrix}$	$\begin{vmatrix} 0\\ 3 \end{vmatrix}$	0	0 3	03	0 3	0 3	0 3	0 3	0 2	$\begin{vmatrix} 0\\ 3 \end{vmatrix}$
CD-1 CRL Mouse Male		1	6	6	6	6	6	6	6	9	7	4	6	6	4	6	0	6	3	6	0	6	6	6	6	6	6	6	6	3	6
DMBA0.25/ TPA 5		<u>3</u> 0	1	1 0	1 0	1 0	2	2	2	5	<u>3</u> 0	1 0	2	<u>3</u> 0	2	<u>3</u> 0	9 0	3	<u>8</u> 0	<u>3</u>	7 0	4 0	5	4 0	4 0	4 0	5 0	5	5 0	<i>0</i> 0	<u>5</u>
	ANIMAL ID	0	0 0	0	0	0	0	Ō	Ō	0	0	0	0	0	0	Ō	0	0	Ō	Õ	0	0	0	0	0	Ō	Õ	0	Ō	Õ	0
		2 1	2	2 1	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	2 3	2 3	2 3	2 3	2 3	2 3	2 3	2 3	2 3	2 4
		1	2	3	4	5	6	7	8	9	0	1		3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0
Squamous Cell Papilloma, M	ultiple					X		X					X		X	X		X				X				X	X				
Skin, SOA-No Mass Musculoskeletal System		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
NONE																															
Nervous System																															
NONE																															
Respiratory System																															
NONE																															
Special Senses System																															
NONE																															
Urinary System																															
NONE																															
SYSTEMIC LESIONS																															
Multiple Organ		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

P04: NEOPLASMS 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: 14:50:03 First Dose M/F: NA / NA Lab: BAT

DAY ON TEST

CD-1 CRL Mouse Male DMBA0.25/ 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	9
Subcut Tiss, Sarcoma	1
Skin, Control	14
Skin, SOA-Mass	16
Keratoacanthoma	1
Squamous Cell Papilloma	7
Squamous Cell Papilloma, Multiple	9

* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

P04: NEOPLASMS 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: 14:50:03 First Dose M/F: NA / NA Lab: BAT

DAY ON TEST

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

	ANIMAL ID	
		*TOTALS
Skin, SOA-No Mass Musculoskeletal System		30
NONE Nervous System		
NONE Respiratory System		
NONE Special Senses System		
NONE Urinary System		
NONE Systemic Lesions		
Multiple Organ		30

* .. Total animals with tissue examined microscopically; Total animals with tumor

+ ..Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

Experiment Number: 05117-02 Test Type: INIT/PROMOT Route: DERMAL,SOLUTION|SKIN APPLICATION

Species/Strain: Mouse/CD-1 CRL

P04: NEOPLASMS 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: 14:50:03 First Dose M/F: NA / NA Lab: BAT

DAY ON TEST 5 **CD-1 CRL Mouse Male** 2 2 7 9 7 DMBA 2.5/ TPA 5 0 0 2 5 5 ANIMAL ID Õ 2 4 2 2 4 5 2 4 8 2 4 9 2 5 6 2 6 2 2 5 9 2 6 9 4 4 5 5 2 5 5 7 5 8 6 6 6 6 7 6 8 4 4 5 5 3 6 0 6 6 3 6 5 7 **Alimentary System** NONE **Cardiovascular System** NONE **Endocrine System** NONE **General Body System** NONE **Genital System** NONE Hematopoietic System NONE **Integumentary System** Skin + Squamous Cell Carcinoma Х Skin, Control + + Skin, SOA-Mass + + Keratoacanthoma, Multiple Х Sarcoma Х

* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

Experiment Number: 05117-02

P04: NEOPLASMS 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: 14:50:03 First Dose M/F: NA / NA Lab: BAT

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

DAY ON TEST CD-1 CRL Mouse Male DMBA 2.5/ TPA 5 ANIMAL ID	3 6 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 2 5 0	<i>0</i> <i>3</i> <i>5</i> <i>1</i> 0 0 2 5 1	<i>0</i> <i>1</i> <i>5</i> <i>2</i> 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 2 6 0	<i>0</i> <i>3</i> <i>5</i> <i>7</i> 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 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 2 7 0
Squamous Cell Carcinoma	Х					Х									Х				Х	Х					Х					
Squamous Cell Carcinoma, Multiple		Х		Х																	Х							Х		
Squamous Cell Papilloma					Х					Х	Х										Х			Х	Х					
Squamous Cell Papilloma, Multiple		Х		Х		Х			Х					Х	Х							Х	Х				Х		Х	Х
Skin, SOA-No Mass	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Musculoskeletal System																														
NONE Nervous System																														
NONE Respiratory System																														
NONE Special Senses System																														
NONE Urinary System																														
NONE Systemic lesions																														
Multiple Organ	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

P04: NEOPLASMS 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: 14:50:03 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
Squamous Cell Carcinoma	1
Skin, Control	10
Skin, SOA-Mass	21
Keratoacanthoma, Multiple	1
Sarcoma	1
Squamous Cell Carcinoma	6

* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

P04: NEOPLASMS 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: 14:50:03 First Dose M/F: NA / NA Lab: BAT

DAY ON TEST

CD-1 CRL Mouse Male DMBA 2.5/ TPA 5

ANIMAL ID

	*TOTALS
Squamous Cell Carcinoma, Multiple	4
Squamous Cell Papilloma	6
Squamous Cell Papilloma, Multiple	11
Skin, SOA-No Mass	30
Musculoskeletal System	
NONE	
Nervous System	
NONE	
Respiratory System	
NONE	
Special Senses System	
NONE	
Urinary System	
NONE	
SYSTEMIC LESIONS	
Multiple Organ	30

* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

Experiment Number: 05117-02 Test Type: INIT/PROMOT Route: DERMAL,SOLUTION|SKIN APPLICATION

Species/Strain: Mouse/CD-1 CRL

P04: NEOPLASMS 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: 14:50:03 First Dose M/F: NA / NA Lab: BAT

DAY ON TEST 4 7 **CD-1 CRL Mouse Male** 9 9 9 2 5 **DMBA 25/ TPA 5** 0 0 2 8 5 ANIMAL ID Õ 2 7 2 7 Õ Õ Ō Õ 2 7 2 2 7 5 2 8 6 2 8 9 2 9 2 2 9 9 7 7 7 8 8 2 8 8 8 8 9 9 3 9 9 5 9 6 9 7 9 8 7 7 8 8 3 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 + + Skin, SOA-Mass + + + + + + + Х Keratoacanthoma, Multiple Sarcoma Х х х х х Х Х х х Squamous Cell Carcinoma ХХ

* Total animals with tissue examined microscopically; Total animals with tumor	M Missing tissue
+ Tissue examined microscopically	A Autolysis precludes evaluation
XLesion present	BLANK Not examined microscopically
I Insufficient tissue	

Experiment Number: 05117-02

Test Type: INIT/PROMOT

P04: NEOPLASMS 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: 14:50:03 First Dose M/F: NA / NA Lab: BAT

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

CD-1 CRL Mouse Male DMBA 25/ TPA 5	ON TEST	3 6 1 0 2 7 1	0 2 4 5 0 0 2 7 2	0 2 7 9 0 0 2 7 3	0 3 0 9 0 0 2 7 4	0 1 5 9 0 0 2 7 5	0 3 0 9 0 2 7 6	0 3 6 1 0 0 2 7 7 7	0 3 1 9 0 0 2 7 8	0 1 9 6 0 2 7 9	0 3 1 3 0 0 2 8 0	0 3 6 1 0 0 2 8 1	0 3 2 9 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 2 8 5	0 3 6 2 0 0 2 8 6	0 3 4 6 0 2 8 7	0 3 4 3 0 0 2 8 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 1	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 2 9 8	0 3 6 5 0 0 2 9 9	0 3 4 3 0 0 3 0 0 0
Squamous Cell Carcinoma, Multipl	e	Х							Х				Х										Х								
Squamous Cell Papilloma										Х													Х		Х		Х				
Squamous Cell Papilloma, Multiple		Х	Х	Х					Х		Х	Х	Х		Х	Х				Х	Х			Х				Х			
Skin, SOA-No Mass		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Musculoskeletal System																															
NONE Nervous System																															
NONE Respiratory System																															
NONE Special Senses System																															
NONE Urinary System																															
NONE Systemic lesions																															
Multiple Organ		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

 $^{\ast}\,$..Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

P04: NEOPLASMS 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: 14:50:03 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
Skin, Control	19
Skin, SOA-Mass	22
Keratoacanthoma, Multiple	1
Sarcoma	1
Squamous Cell Carcinoma	10
Squamous Cell Carcinoma, Multiple	4

* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

P04: NEOPLASMS 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: 14:50:03 First Dose M/F: NA / NA Lab: BAT

DAY ON TEST

CD-1 CRL Mouse Male DMBA 25/ TPA 5

	ANIMAL ID	
	3	*TOTALS
Squamous Cell Papilloma		4
Squamous Cell Papilloma, Mult	tiple	13
Skin, SOA-No Mass		30
Musculoskeletal System		
NONE		
Nervous System		
NONE		
Respiratory System		
NONE		
Special Senses System		
NONE		
Urinary System		
NONE		
SYSTEMIC LESIONS		
Multiple Organ		30

* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

Experiment Number: 05117-02 Test Type: INIT/PROMOT Route: DERMAL,SOLUTION|SKIN APPLICATION

Species/Strain: Mouse/CD-1 CRL

P04: NEOPLASMS 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: 14:50:03 First Dose M/F: NA / NA Lab: BAT

DAY ON TEST 7 **CD-1 CRL Mouse Male** 5 2 2 DMBA 2.5/ BPO 20 0 0 ANIMAL ID Õ Õ 3 Õ 3 1 3 0 2 3 0 5 3 2 2 3 2 9 0 8 0 9 1 1 2 2 6 0 2 0 2 2 3 2 5 2 7 2 8 0 Õ Õ Õ Õ **Alimentary System** NONE **Cardiovascular System** NONE **Endocrine System** NONE **General Body System** NONE **Genital System** NONE Hematopoietic System NONE **Integumentary System** Skin + Skin, Control + Skin, SOA-Mass + + Х Х Squamous Cell Papilloma Squamous Cell Papilloma, Multiple Skin, SOA-No Mass

* ..Total animals with tissue examined microscopically; Total animals with tumor
 + ..Tissue examined microscopically
 A ..Autolysis precludes evaluation
 X ..Lesion present
 BLANK ..Not examined microscopically
 I ..Insufficient tissue

Experiment Number: 05117-02 Test Type: INIT/PROMOT Route: DERMAL,SOLUTION|SKIN APPLICATION

Species/Strain: Mouse/CD-1 CRL

P04: NEOPLASMS 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: 14:50:04 First Dose M/F: NA / NA Lab: BAT

DAY ON TEST 7 **CD-1 CRL Mouse Male** 5 2 2 DMBA 2.5/ BPO 20 0 0 ANIMAL ID Õ Ō 3 Õ 3 1 3 0 2 3 0 5 3 2 2 3 2 9 0 8 0 9 1 1 2 2 6 2 8 0 0 2 0 2 2 3 2 5 2 7 6 0 Õ Õ **Musculoskeletal System** NONE **Nervous System** NONE **Respiratory System** NONE **Special Senses System** NONE **Urinary System** NONE SYSTEMIC LESIONS Multiple Organ

* ...Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

P04: NEOPLASMS 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: 14:50:04 First Dose M/F: NA / NA Lab: BAT

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
Skin, Control	10
Skin, SOA-Mass	3
Squamous Cell Papilloma	2
Squamous Cell Papilloma, Multiple	1
Skin, SOA-No Mass	26
Musculoskeletal System	

* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

P04: NEOPLASMS 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: 14:50:04 First Dose M/F: NA / NA Lab: BAT

DAY ON TEST

CD-1 CRL Mouse Male DMBA 2.5/ BPO 20

ANIMAL ID

*TOTALS

NONE

Nervous System

NONE

Respiratory System

NONE

Special Senses System

NONE

Urinary System

NONE

SYSTEMIC LESIONS

Multiple Organ

30

* .. Total animals with tissue examined microscopically; Total animals with tumor

+ $\hfill ... Tissue examined microscopically$

X ..Lesion present

I .. Insufficient tissue

Experiment Number: 05117-02 Test Type: INIT/PROMOT Route: DERMAL,SOLUTION|SKIN APPLICATION

Species/Strain: Mouse/CD-1 CRL

P04: NEOPLASMS 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: 14:50:04 First Dose M/F: NA / NA Lab: BAT

DAY ON TEST **CD-1 CRL Mouse Male** 2 2 $\frac{1}{2}$ DMBA 25/ BPO 20 0 0 ANIMAL ID Õ Õ 3 4 3 3 2 3 3 5 3 4 6 3 5 2 3 8 3 9 4 4 5 5 3 5 9 3 3 3 3 6 3 7 4 5 0 5 5 5 5 5 6 5 7 5 8 **Alimentary System** NONE **Cardiovascular System** NONE **Endocrine System** NONE **General Body System** NONE **Genital System** NONE Hematopoietic System NONE **Integumentary System** Skin Squamous Cell Papilloma Х Skin. Control + + + Subcut Tiss, Lymphoma Malignant Х Lymphocytic Skin, SOA-Mass + + + +

* ...Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

Experiment Number: 05117-02

Route: DERMAL, SOLUTION | SKIN APPLICATION

Test Type: INIT/PROMOT

P04: NEOPLASMS 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: 14:50:04 First Dose M/F: NA / NA Lab: BAT

Species/Strain: Mouse/CD-1 CRL DAY ON TEST CD-1 CRL Mouse Male 2 2 2 DMBA 25/ BPO 20 ANIMAL ID Õ Õ 3 3 2 3 3 5 3 5 2 4 9 3 8 3 9 4 5 5 3 5 9 3 3 3 3 6 3 7 4 5 0 5 5 5 5 5 6 5 7 5 8 Δ Sarcoma Х Squamous Cell Papilloma Х Х Х Х Х Х Squamous Cell Papilloma, Multiple Х Х Subcut Tiss, Lymphoma Malignant Lymphocytic Skin, SOA-No Mass Musculoskeletal System NONE **Nervous System** NONE **Respiratory System** NONE **Special Senses System** NONE **Urinary System** NONE SYSTEMIC LESIONS Multiple Organ Lymphoma Malignant Lymphocytic Х

* ..Total animals with tissue examined microscopically; Total animals with tumor
 + ..Tissue examined microscopically
 A ..Autolysis precludes evaluation
 X ..Lesion present
 BLANK ..Not examined microscopically
 I ..Insufficient tissue

P04: NEOPLASMS 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: 14:50:04 First Dose M/F: NA / NA Lab: BAT

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
Squamous Cell Papilloma	1
Skin, Control	12
Subcut Tiss, Lymphoma Malignant Lymphocytic	1
Skin, SOA-Mass	9
Sarcoma	1

* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

P04: NEOPLASMS 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: 14:50:04 First Dose M/F: NA / NA Lab: BAT

DAY ON TEST

CD-1 CRL Mouse Male DMBA 25/ BPO 20

ANIMAL ID

	*TOTALS
Squamous Cell Papilloma	6
Squamous Cell Papilloma, Multiple	1
Subcut Tiss, Lymphoma Malignant Lymphocytic	1
Skin, SOA-No Mass	29
Musculoskeletal System	
NONE	
Nervous System	
NONE	
Respiratory System	
NONE	
Special Senses System	
NONE	
Urinary System	
NONE	
SYSTEMIC LESIONS	
Multiple Organ	30
Lymphoma Malignant Lymphocytic	1

* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

P04: NEOPLASMS 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: 14:50:04 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

* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

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

P04: NEOPLASMS 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: 14:50:04 First Dose M/F: NA / NA Lab: BAT

DAY ON TEST

CD-1 CRL Mouse Male SENTINEL MALE

ANIMAL ID

*TOTALS

Respiratory System

NONE Special Senses System

NONE Urinary System

NONE SYSTEMIC LESIONS

Multiple Organ

0

END OF MALE DATA

* .. Total animals with tissue examined microscopically; Total animals with tumor

+ ..Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

P04: NEOPLASMS 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: 14:50:04 First Dose M/F: NA / NA Lab: BAT

DAY ON TEST CD-1 CRL Mouse Female 7 2 **VEHICLE CONTROL** 0 0 ANIMAL ID Õ Õ Õ 3 7 3 6 2 3 6 5 3 7 6 3 8 2 3 8 9 6 8 6 9 7 5 6 6 6 7 7 7 2 7 7 7 7 8 8 5 8 7 8 8 7 0 3 6 **Alimentary System** NONE **Cardiovascular System** NONE **Endocrine System** NONE **General Body System** NONE **Genital System** NONE Hematopoietic System NONE **Integumentary System** Skin Skin, Control + + Skin, SOA-No Mass + + Musculoskeletal System NONE

* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

P04: NEOPLASMS 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: 14:50:04 First Dose M/F: NA / NA Lab: BAT

DAY ON TEST **CD-1 CRL Mouse Female** 7 2 **VEHICLE CONTROL** 0 0 ANIMAL ID Ō Õ 3 7 3 6 2 3 6 5 3 6 8 3 7 6 3 8 2 3 8 9 6 9 7 7 2 7 5 7 8 6 8 8 6 1 6 6 6 7 7 7 7 7 8 0 8 8 8 5 8 7 3 **Nervous System** NONE **Respiratory System** NONE **Special Senses System** NONE **Urinary System** NONE SYSTEMIC LESIONS Multiple Organ

* ...Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

P04: NEOPLASMS 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: 14:50:04 First Dose M/F: NA / NA Lab: BAT

DAY ON TEST

CD-1 CRL Mouse Female VEHICLE CONTROL

ANIMAL ID

*TOTALS

22 3 9

Alimentary System	
NONE Cardiovascular System	
NONE Endocrine System	
NONE General Body System	
NONE Genital System	
NONE Hematopoietic System	
NONE Integumentary System	
Skin Skin, Control Skin, SOA-No Mass Musculoskeletal System	
NONE	

Norvous	Systom
Nervous	System

* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

P04: NEOPLASMS 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: 14:50:04 First Dose M/F: NA / NA Lab: BAT

DAY ON TEST

CD-1 CRL Mouse Female VEHICLE CONTROL

ANIMAL ID

*TOTALS

30

NONE

Respiratory System

NONE

Special Senses System

NONE

Urinary System

NONE SYSTEMIC LESIONS

Multiple Organ

* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

P04: NEOPLASMS 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: 14:50:04 First Dose M/F: NA / NA Lab: BAT

DAY ON TEST **CD-1 CRL Mouse Female** 2 DMBA0.25/ACETONE 0 0 ANIMAL ID Õ Õ Ō 3 9 2 3 9 5 9 8 9 9 9 9 6 9 7 2 5 6 9 3 Ó 0 Δ **Alimentary System** NONE **Cardiovascular System** NONE **Endocrine System** NONE **General Body System** NONE **Genital System** NONE Hematopoietic System NONE **Integumentary System** Skin Skin, Control + Skin, SOA-No Mass + + + Musculoskeletal System NONE

* ...Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

P04: NEOPLASMS 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: 14:50:05 First Dose M/F: NA / NA Lab: BAT

DAY ON TEST **CD-1 CRL Mouse Female** 2 DMBA0.25/ACETONE 0 0 ANIMAL ID Õ Õ Ō Õ Õ Õ 3 9 2 3 9 5 9 9 8 9 9 9 9 6 9 7 0 5 2 3 6 8 9 0 Ó Ó **Nervous System** NONE **Respiratory System** NONE **Special Senses System** NONE **Urinary System** NONE SYSTEMIC LESIONS Multiple Organ

* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

P04: NEOPLASMS 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: 14:50:05 First Dose M/F: NA / NA Lab: BAT

DAY ON TEST

CD-1 CRL Mouse Female DMBA0.25/ACETONE

ANIMAL ID

*TOTALS

25 3 5

Alimentary System	
NONE Cardiovascular System	
NONE Endocrine System	
NONE General Body System	
NONE Genital System	
NONE Hematopoietic System	
NONE Integumentary System	
Skin Skin, Control Skin, SOA-No Mass Musculoskeletal System	
NONE	

Nervous System

* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

P04: NEOPLASMS 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: 14:50:05 First Dose M/F: NA / NA Lab: BAT

DAY ON TEST

CD-1 CRL Mouse Female DMBA0.25/ACETONE

ANIMAL ID

*TOTALS

30

NONE

Respiratory System

NONE

Special Senses System

NONE

Urinary System

NONE SYSTEMIC LESIONS

Multiple Organ

* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

P04: NEOPLASMS 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: 14:50:05 First Dose M/F: NA / NA Lab: BAT

DAY ON TEST **CD-1 CRL Mouse Female** 2 **DMBA 2.5/ACETONE** 0 0 ANIMAL ID Õ Õ Õ Õ Ō Ō Õ 3 5 1 2 2 3 5 6 8 9 . 3 0 2 3 . 3 6 7 . 3 8 . 3 9 2 9 5 6 7 **Alimentary System** NONE **Cardiovascular System** NONE **Endocrine System** NONE **General Body System** NONE **Genital System** NONE Hematopoietic System NONE **Integumentary System** Skin + + Skin, Control + Skin, SOA-No Mass + Musculoskeletal System NONE

* ...Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

P04: NEOPLASMS 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: 14:50:05 First Dose M/F: NA / NA Lab: BAT

DAY ON TEST **CD-1 CRL Mouse Female** 2 **DMBA 2.5/ACETONE** 0 0 ANIMAL ID Ō Õ Õ Õ Ō Õ Ō Õ Õ 2 5 2 1 2 2 3 5 3 6 4 2 3 6 8 . 2 9 . 3 0 2 3 7 8 . 3 9 9 0 5 6 7 0 **Nervous System** NONE **Respiratory System** NONE **Special Senses System** NONE **Urinary System** NONE SYSTEMIC LESIONS Multiple Organ

* ...Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

P04: NEOPLASMS 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: 14:50:05 First Dose M/F: NA / NA Lab: BAT

DAY ON TEST

CD-1 CRL Mouse Female DMBA 2.5/ACETONE

ANIMAL ID

*TOTALS

19 6 10

Alimentary System	
NONE	
Cardiovascular System	
NONE	
Endocrine System	
NONE	
General Body System	
NONE	
Genital System	
NONE	
Hematopoietic System	
NONE	
Integumentary System	
Skin	
Skin, Control	
Skin, SOA-No Mass	
Musculoskeletal System	
NONE	

Nervous	System
1101 1043	Oy Stem

* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

P04: NEOPLASMS 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: 14:50:05 First Dose M/F: NA / NA Lab: BAT

DAY ON TEST

CD-1 CRL Mouse Female DMBA 2.5/ACETONE

ANIMAL ID

*TOTALS

30

NONE

Respiratory System

NONE

Special Senses System

NONE

Urinary System

NONE SYSTEMIC LESIONS

Multiple Organ

* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

P04: NEOPLASMS 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: 14:50:05 First Dose M/F: NA / NA Lab: BAT

CD-1 CRL Mouse Fem DMBA 25/ACETONE	DAY ON TEST I ale ANIMAL ID	0 3 6 1 0 0 4 5 1	0 3 6 1 0 0 4 5 2	0 3 6 1 0 0 4 5 3	0 3 6 1 0 0 4 5 4	0 3 6 1 0 0 4 5 5	0 3 6 1 0 4 5 6	0 3 6 2 0 0 4 5 7	0 3 6 2 0 0 4 5 8	0 3 6 2 0 0 4 5 9	0 3 6 2 0 0 4 6 0	0 3 6 2 0 0 4 6 1	0 1 6 9 0 0 4 6 2	0 3 6 3 0 0 4 6 3	0 3 6 3 0 0 4 6 4	0 3 6 3 0 0 4 6 5	0 3 6 3 0 0 4 6 6	0 3 6 3 0 0 4 6 7	0 3 6 3 0 0 4 6 8	0 3 6 4 0 0 4 6 9	0 3 6 4 0 0 4 7 0	0 3 6 4 0 0 4 7 1	0 3 6 4 0 0 4 7 2	0 3 6 4 0 0 4 7 3	0 3 6 4 0 0 4 7 4	0 3 6 5 0 0 4 7 5	0 3 6 5 0 0 4 7 6	0 3 6 5 0 0 4 7 7	0 3 6 5 0 0 4 7 8	0 3 6 5 0 0 4 7 9	0 3 6 5 0 0 4 8 0
Alimentary System NONE Cardiovascular System																															
NONE Endocrine System																															
NONE General Body System																															
NONE Genital System																															
NONE Hematopoietic System																															
NONE Integumentary System																															
Skin Squamous Cell Papilloma Skin, Control Skin, SOA-No Mass Musculoskeletal System		+	+	+	+	+	+	+	+	+	+	+	+	+ X	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

P04: NEOPLASMS 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: 14:50:05 First Dose M/F: NA / NA Lab: BAT

DAY ON TEST **CD-1 CRL Mouse Female** 2 **DMBA 25/ACETONE** 0 0 ANIMAL ID Ō Õ Õ Õ Ō Õ Õ Õ 5 5 7 9 5 1 5 2 5 9 7 2 7 7 3 6 7 8 2 3 5 6 8 9 ò . 5 NONE **Nervous System** NONE **Respiratory System** NONE **Special Senses System** NONE **Urinary System**

NONE

SYSTEMIC LESIONS

Multiple Organ

* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

P04: NEOPLASMS 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: 14:50:05 First Dose M/F: NA / NA Lab: BAT

DAY ON TEST

CD-1 CRL Mouse Female DMBA 25/ACETONE

ANIMAL ID

*TOTALS

24

Alimentary System
NONE Cardiovascular System
NONE Endocrine System
NONE General Body System
NONE Genital System
NONE Hematopoietic System
NONE Integumentary System
Skin Squamous Cell Papilloma

Musculoskeletal System	
Skin, SOA-No Mass	5
Skin, Control	1
Squamous Cell Papilloma	1

NONE

* .. Total animals with tissue examined microscopically; Total animals with tumor

+ ..Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

P04: NEOPLASMS 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: 14:50:05 First Dose M/F: NA / NA Lab: BAT

DAY ON TEST

CD-1 CRL Mouse Female DMBA 25/ACETONE

ANIMAL ID

*TOTALS

30

Nervous System

NONE Respiratory System

NONE

Special Senses System

NONE Urinary System

NONE

SYSTEMIC LESIONS

Multiple Organ

* .. Total animals with tissue examined microscopically; Total animals with tumor

+ ..Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

P04: NEOPLASMS 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: 14:50:05 First Dose M/F: NA / NA Lab: BAT

DAY ON TEST 8 2 5 CD-1 CRL Mouse Female 1 5 2 DMBA2.5/COMPLETE 0 0 ANIMAL ID Õ Õ Õ Õ Ō Ō Ō 5 5 0 6 5 0 9 2 5 6 8 . 8 9 2 3 5 6 8 9 0 2 3 5 7 8 7 Õ Õ Õ **Alimentary System** NONE **Cardiovascular System** NONE **Endocrine System** NONE **General Body System** NONE **Genital System** NONE Hematopoietic System NONE **Integumentary System** Skin, Control Skin, SOA-Mass + + + + + Х Keratoacanthoma, Multiple Х ХХХ х х х Squamous Cell Carcinoma Х Х ХХХ ХХ ХХ Х Squamous Cell Carcinoma, Multiple Х Х Х Х Х Х Х Х Squamous Cell Papilloma Х

* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

Experiment Number: 05117-02

Test Type: INIT/PROMOT

P04: NEOPLASMS 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: 14:50:05 First Dose M/F: NA / NA Lab: BAT

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

CD-1 CRL Mouse Female DMBA2.5/COMPLETE	Y ON TEST	2 9 8	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 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 9	0 3 6 3 0 0 5 0 0	0 3 6 4 0 5 0 1	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 0
Squamous Cell Papilloma, Multip	ole			Х			Х							X				Х						Х				Х			
Subcut Tiss, Fibrosarcoma Skin, SOA-No Mass Musculoskeletal System		+	+	+	+	+	+	+	+	+	+	+	+	X +	+	+	+		+	+	+	+	+	+	+		+	+	+	+	+
NONE Nervous System																															
NONE Respiratory System																															
NONE Special Senses System																															
NONE Urinary System																															
NONE SYSTEMIC LESIONS																															
Multiple Organ		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

* ..Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

P04: NEOPLASMS 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: 14:50:05 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
Skin, SOA-Mass	25
Keratoacanthoma, Multiple	1
Squamous Cell Carcinoma	16
Squamous Cell Carcinoma, Multiple	7
Squamous Cell Papilloma	3
Squamous Cell Papilloma, Multiple	5

* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

P04: NEOPLASMS 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: 14:50:06 First Dose M/F: NA / NA Lab: BAT

DAY ON TEST

CD-1 CRL Mouse Female DMBA2.5/COMPLETE

	ANIMAL ID	
		*TOTALS
Subcut Tiss, Fibrosarcoma Skin, SOA-No Mass Musculoskeletal System		1 28
NONE Nervous System		
NONE Respiratory System		
NONE Special Senses System		
NONE Urinary System		
NONE Systemic lesions		
Multiple Organ		30

* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

P04: NEOPLASMS 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: 14:50:06 First Dose M/F: NA / NA Lab: BAT

DAY ON TEST CD-1 CRL Mouse Female 2 2 **TPA 5/ COMPLETE** ANIMAL ID Õ 5 1 5 5 5 5 5 2 Õ 5 5 2 5 5 2 6 5 2 9 5 3 6 5 3 9 2 2 2 3 2 8 3 3 3 5 3 0 5 0 2 3 7 8 **Alimentary System** NONE **Cardiovascular System** NONE **Endocrine System** NONE **General Body System** NONE **Genital System** NONE Hematopoietic System NONE **Integumentary System** Skin + Skin, Control Skin, SOA-Mass + + + + + Х Х Х Х Х Squamous Cell Papilloma Squamous Cell Papilloma, Multiple Х Skin, SOA-No Mass

* ...Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

P04: NEOPLASMS 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: 14:50:06 First Dose M/F: NA / NA Lab: BAT

DAY ON TEST CD-1 CRL Mouse Female 2 2 **TPA 5/ COMPLETE** 0 ANIMAL ID 5 1 5 5 1 5 1 5 5 2 Õ 5 1 5 5 2 5 5 2 6 5 2 9 5 3 2 5 3 9 3 8 1 1 2 2 2 3 2 8 3 3 3 3 3 5 3 6 3 0 0 7 **Musculoskeletal System** NONE **Nervous System** NONE **Respiratory System** NONE **Special Senses System** NONE **Urinary System** NONE SYSTEMIC LESIONS Multiple Organ

* ...Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

P04: NEOPLASMS 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: 14:50:06 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
Skin, Control	26
Skin, SOA-Mass	7
Squamous Cell Papilloma	5
Squamous Cell Papilloma, Multiple	1
Skin, SOA-No Mass	30
Musculoskeletal System	

* .. Total animals with tissue examined microscopically; Total animals with tumor

+ $\hfill ... Tissue examined microscopically$

X ..Lesion present

I .. Insufficient tissue

P04: NEOPLASMS 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: 14:50:06 First Dose M/F: NA / NA Lab: BAT

DAY ON TEST

CD-1 CRL Mouse Female TPA 5/ COMPLETE

ANIMAL ID

*TOTALS

NONE

Nervous System

NONE

Respiratory System

NONE

Special Senses System

NONE

Urinary System

NONE

SYSTEMIC LESIONS

Multiple Organ

30

* .. Total animals with tissue examined microscopically; Total animals with tumor

+ $\hfill ... Tissue examined microscopically$

X ..Lesion present

I .. Insufficient tissue

P04: NEOPLASMS 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: 14:50:06 First Dose M/F: NA / NA Lab: BAT

DAY ON TEST CD-1 CRL Mouse Female 2 **BPO 20/ COMPLETE** ANIMAL ID Õ 5 5 5 5 4 2 5 4 8 5 5 5 5 5 9 5 6 2 5 6 9 4 5 5 2 5 3 5 5 8 6 6 5 7 5 9 0 3 5 7 8 **Alimentary System** NONE **Cardiovascular System** NONE **Endocrine System** NONE **General Body System** NONE **Genital System** NONE Hematopoietic System NONE **Integumentary System** Skin Skin, Control Skin, SOA-No Mass Musculoskeletal System

NONE

* ..Total animals with tissue examined microscopically; Total animals with tumor
 + ..Tissue examined microscopically
 A ..Autolysis precludes evaluation
 X ..Lesion present
 BLANK ..Not examined microscopically
 I ..Insufficient tissue

P04: NEOPLASMS 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: 14:50:06 First Dose M/F: NA / NA Lab: BAT

DAY ON TEST CD-1 CRL Mouse Female 2 **BPO 20/ COMPLETE** 0 ANIMAL ID 5 5 Õ 5 4 2 5 4 5 5 4 8 5 5 5 5 5 6 5 5 9 5 6 2 5 6 9 4 5 5 2 5 5 8 6 6 6 8 5 5 3 5 7 9 0 3 5 7 **Nervous System** NONE **Respiratory System** NONE **Special Senses System** NONE **Urinary System** NONE SYSTEMIC LESIONS Multiple Organ

* ...Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

P04: NEOPLASMS 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: 14:50:06 First Dose M/F: NA / NA Lab: BAT

DAY ON TEST

CD-1 CRL Mouse Female BPO 20/ COMPLETE

ANIMAL ID

*TOTALS

1 30 30

Alimentary System	
NONE Cardiovascular System	
NONE Endocrine System	
NONE General Body System	
NONE Genital System	
NONE Hematopoietic System	
NONE Integumentary System	
Skin Skin, Control Skin, SOA-No Mass Musculoskeletal System	
NONE	

Nervous	System

* .. Total animals with tissue examined microscopically; Total animals with tumor

+ ..Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

P04: NEOPLASMS 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: 14:50:06 First Dose M/F: NA / NA Lab: BAT

DAY ON TEST

CD-1 CRL Mouse Female BPO 20/ COMPLETE

ANIMAL ID

*TOTALS

30

NONE

Respiratory System

NONE

Special Senses System

NONE

Urinary System

NONE SYSTEMIC LESIONS

Multiple Organ

* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

P04: NEOPLASMS 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: 14:50:06 First Dose M/F: NA / NA Lab: BAT

DAY ON TEST 6 7 9 7 CD-1 CRL Mouse Female 2 3 DMBA0.25/ TPA 5 0 0 5 8 5 ANIMAL ID 5 7 5 7 5 7 5 7 5 Õ 5 5 7 2 5 7 5 5 8 6 5 8 9 5 9 6 5 9 9 7 7 7 8 3 9 9 2 8 0 2 3 5 7 8 **Alimentary System** NONE **Cardiovascular System** NONE **Endocrine System** NONE **General Body System** NONE **Genital System** NONE Hematopoietic System NONE **Integumentary System** Skin + Skin, Control + Skin, SOA-Mass + + + + + + + Х х х Keratoacanthoma Squamous Cell Carcinoma Х Х Х Х Х Х Squamous Cell Carcinoma, Multiple Х

* ..Total animals with tissue examined microscopically; Total animals with tumor
 + ..Tissue examined microscopically
 A ..Autolysis precludes evaluation
 X ..Lesion present
 BLANK ..Not examined microscopically
 I ..Insufficient tissue

Experiment Number: 05117-02

Test Type: INIT/PROMOT

P04: NEOPLASMS 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: 14:50:06 First Dose M/F: NA / NA Lab: BAT

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

CD-1 CRL Mouse Fema DMBA0.25/ TPA 5	DAY ON TEST le ANIMAL ID	2 7 4	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 7	0 3 6 2 0 0 5 7 8	0 3 6 2 0 0 5 7 9	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 8	0 3 6 4 0 0 5 8 9	0 3 6 4 0 0 5 9 0	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 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 9	0 3 4 3 0 0 6 0 0
Squamous Cell Papilloma Squamous Cell Papilloma, Mu Skin, SOA-No Mass Musculoskeletal System	ultiple	+	X +	+	+	+	+	X +	X +	X +	+	+	X +	+	+	X +	X +	X +	X +	+	+	X +	X +	X +	X +	+	Х	+	X +	+	+
NONE Nervous System																															
NONE Respiratory System																															
NONE Special Senses System																															
NONE Urinary System																															
NONE Systemic lesions																															
Multiple Organ		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

P04: NEOPLASMS 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: 14:50:06 First Dose M/F: NA / NA Lab: BAT

DAY ON TEST

CD-1 CRL Mouse Female DMBA0.25/ 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	5
Skin, Control	22
Skin, SOA-Mass	18
Keratoacanthoma	3
Squamous Cell Carcinoma	5
Squamous Cell Carcinoma, Multiple	2
Squamous Cell Papilloma	5

* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

P04: NEOPLASMS 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: 14:50:06 First Dose M/F: NA / NA Lab: BAT

DAY ON TEST

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

ANIM	AL ID
	*TOTALS
Squamous Cell Papilloma, Multiple	10
Skin, SOA-No Mass	29
Musculoskeletal System	
NONE	
Nervous System	
NONE	
Respiratory System	
NONE	
Special Senses System	
NONE	
Urinary System	
NONE	
SYSTEMIC LESIONS	
Multiple Organ	30

* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

P04: NEOPLASMS 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: 14:50:06 First Dose M/F: NA / NA Lab: BAT

DAY ON TEST 7 6 CD-1 CRL Mouse Female 2 9 DMBA 2.5/ TPA 5 0 0 ANIMAL ID Õ 6 Õ Õ Õ Õ 6 0 8 2 6 2 9 2 5 9 0 2 3 5 7 8 Õ Õ Õ Õ 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 Skin, SOA-Mass + + + + Х Keratoacanthoma Keratoacanthoma, Multiple Х Х Sebaceous GI, Adenoma

* ..Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

Experiment Number: 05117-02

Test Type: INIT/PROMOT

P04: NEOPLASMS 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: 14:50:07 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/ TPA 5 ANIMAL ID	3 6 1	0 3 6 1 0 0 6 0 2	0 2 8 5 0 0 0 6 0 3	0 3 6 1 0 0 6 0 4	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 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 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
Squamous Cell Carcinoma Squamous Cell Carcinoma, Multiple Squamous Cell Papilloma		х	х	Х		Х		х	х	х	х						Х			Х	Х		Х			x x				Х
Squamous Cell Papilloma, Multiple Subcut Tiss, Sarcoma	Х				Х		X X	Х		Х	Х				Х		Х	Х		Х			Х						Х	
Skin, SOA-No Mass Musculoskeletal System	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
NONE Nervous System																														
NONE Respiratory System																														
NONE Special Senses System																														
NONE Urinary System																														
NONE SYSTEMIC LESIONS																														
Multiple Organ	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

 * ..Total animals with tissue examined microscopically; Total animals with tumor
 M ..Missing tissue

 + ..Tissue examined microscopically
 A ..Autolysis precludes evaluation

 X ..Lesion present
 BLANK ..Not examined microscopically

 I ..Insufficient tissue
 A ..Autolysis precludes evaluation

P04: NEOPLASMS 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: 14:50:07 First Dose M/F: NA / NA Lab: BAT

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
Skin, Control	25
Skin, SOA-Mass	20
Keratoacanthoma	1
Keratoacanthoma, Multiple	1
Sebaceous GI, Adenoma	1
Squamous Cell Carcinoma	8

* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

P04: NEOPLASMS 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: 14:50:07 First Dose M/F: NA / NA Lab: BAT

DAY ON TEST

CD-1 CRL Mouse Female DMBA 2.5/ TPA 5

ANIMAL ID

	*TOTALS
Squamous Cell Carcinoma, Multiple	4
Squamous Cell Papilloma	3
Squamous Cell Papilloma, Multiple	12
Subcut Tiss, Sarcoma	1
Skin, SOA-No Mass	30
Musculoskeletal System	
NONE	
Nervous System	
NONE	
Respiratory System	
NONE	
Special Senses System	
NONE	
Urinary System	
NONE	
SYSTEMIC LESIONS	
Multiple Organ	30

* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

P04: NEOPLASMS 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: 14:50:07 First Dose M/F: NA / NA Lab: BAT

DAY ON TEST 7 7 CD-1 CRL Mouse Female 2 3 **DMBA 25/ TPA 5** 0 0 ANIMAL ID Õ Õ Õ Õ 6 6 5 2 3 2 3 8 5 6 5 9 5 5 5 3 5 6 7 9 5 9 0 3 7 8 **Alimentary System** NONE **Cardiovascular System** NONE **Endocrine System** NONE **General Body System** NONE **Genital System** NONE Hematopoietic System NONE **Integumentary System** Skin Skin, Control Skin, SOA-Mass + + Х Keratoacanthoma Х Squamous Cell Carcinoma Х х х х х Х х х Х Х х х Х Squamous Cell Carcinoma, Multiple Х Х Х

* ..Total animals with tissue examined microscopically; Total animals with tumor
 + ..Tissue examined microscopically
 A ..Autolysis precludes evaluation
 X ..Lesion present
 BLANK ..Not examined microscopically
 I ..Insufficient tissue

Experiment Number: 05117-02

Test Type: INIT/PROMOT

P04: NEOPLASMS 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: 14:50:07 First Dose M/F: NA / NA Lab: BAT

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

DAY ON TES CD-1 CRL Mouse Female DMBA 25/ TPA 5 ANIMAL II	2 8 8	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 0 6 4 0	0 3 1 8 0 0 6 4 1	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 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
Squamous Cell Papilloma Squamous Cell Papilloma, Multiple	х	х		х	х	х	Х	Х					х	Х	Х		х	х	Х	Х	Х	х	х	х	х	х	Х	х		
Subcut Tiss, Sarcoma Skin, SOA-No Mass Squamous Cell Carcinoma Musculoskeletal System	+	+	+	+	+ X	+	+	+	+	+	+	+	+	+	+	+	+	+	X +	+	+	+	+	+	+	+	+	+	+	+
NONE Nervous System																														
NONE Respiratory System																														
NONE Special Senses System																														
NONE Urinary System																														
NONE SYSTEMIC LESIONS																														
Multiple Organ	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

P04: NEOPLASMS 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: 14:50:07 First Dose M/F: NA / NA Lab: BAT

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
Skin, Control	19
Skin, SOA-Mass	28
Keratoacanthoma	1
Squamous Cell Carcinoma	11
Squamous Cell Carcinoma, Multiple	6
Squamous Cell Papilloma	4

* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

P04: NEOPLASMS 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: 14:50:07 First Dose M/F: NA / NA Lab: BAT

DAY ON TEST

CD-1 CRL Mouse Female DMBA 25/ TPA 5

ANIMAL ID

	*TOTALS
Squamous Cell Papilloma, Multiple	18
Subcut Tiss, Sarcoma	1
Skin, SOA-No Mass	30
Squamous Cell Carcinoma	1
Musculoskeletal System	
NONE	
Nervous System	
NONE	
Respiratory System	
NONE	
Special Senses System	
NONE	
Urinary System	
NONE	
SYSTEMIC LESIONS	
Multiple Organ	30

* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

P04: NEOPLASMS 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: 14:50:07 First Dose M/F: NA / NA Lab: BAT

DAY ON TEST CD-1 CRL Mouse Female 7 2 DMBA 2.5/ BPO 20 0 ANIMAL ID Õ Õ Õ Õ Õ Õ 6 6 8 7 5 7 6 7 7 2 5 6 9 2 0 2 5 6 7 8 9 7 3 **Alimentary System** NONE **Cardiovascular System** NONE **Endocrine System** NONE **General Body System** NONE **Genital System** NONE Hematopoietic System NONE **Integumentary System** Skin + Skin, Control + Skin, SOA-Mass + + + + + Х Х Х Х Squamous Cell Papilloma Squamous Cell Papilloma, Multiple Х Skin, SOA-No Mass

 * ..Total animals with tissue examined microscopically; Total animals with tumor
 M ..Missing tissue

 + ..Tissue examined microscopically
 A ..Autolysis precludes evaluation

 X ..Lesion present
 BLANK ..Not examined microscopically

 I ..Insufficient tissue
 A ..Autolysis precludes evaluation

P04: NEOPLASMS 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: 14:50:07 First Dose M/F: NA / NA Lab: BAT

DAY ON TEST **CD-1 CRL Mouse Female** 7 2 DMBA 2.5/ BPO 20 0 0 ANIMAL ID Ō 6 Õ Õ Õ Õ 6 Õ 6 8 7 5 7 6 7 7 2 7 7 2 5 6 9 0 2 5 6 7 8 9 7 3 . 9 **Musculoskeletal System** NONE **Nervous System** NONE **Respiratory System** NONE **Special Senses System** NONE **Urinary System** NONE SYSTEMIC LESIONS Multiple Organ

* ...Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

P04: NEOPLASMS 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: 14:50:07 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
Skin, Control	19
Skin, SOA-Mass	5
Squamous Cell Papilloma	4
Squamous Cell Papilloma, Multiple	1
Skin, SOA-No Mass	30
Musculoskeletal System	

* .. Total animals with tissue examined microscopically; Total animals with tumor

+ $\hfill ... Tissue examined microscopically$

X ..Lesion present

I .. Insufficient tissue

P04: NEOPLASMS 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: 14:50:07 First Dose M/F: NA / NA Lab: BAT

DAY ON TEST

CD-1 CRL Mouse Female DMBA 2.5/ BPO 20

ANIMAL ID

*TOTALS

NONE

Nervous System

NONE

Respiratory System

NONE

Special Senses System

NONE

Urinary System

NONE

SYSTEMIC LESIONS

Multiple Organ

30

* .. Total animals with tissue examined microscopically; Total animals with tumor

+ $\hfill ... Tissue examined microscopically$

X ..Lesion present

I .. Insufficient tissue

P04: NEOPLASMS 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: 14:50:07 First Dose M/F: NA / NA Lab: BAT

DAY ON TEST **CD-1 CRL Mouse Female** 2 DMBA 25/ BPO 20 0 0 7 ANIMAL ID Ō 6 Õ Õ 7 Ō 7 7 7 9 2 9 8 5 6 7 9 . 0 2 . 0 5 . 0 6 . 0 9 Ò 3 Ò 8 0 Δ **Alimentary System** NONE **Cardiovascular System** NONE **Endocrine System** NONE **General Body System** NONE **Genital System** NONE Hematopoietic System NONE **Integumentary System** Skin Skin, Control + + + Skin, SOA-Mass + + + + + Keratoacanthoma Х Squamous Cell Carcinoma Х Х Х Х Squamous Cell Papilloma

* ...Total animals with tissue examined microscopically; Total animals with tumor + ...Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

Experiment Number: 05117-02

Test Type: INIT/PROMOT

P04: NEOPLASMS 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: 14:50:08 First Dose M/F: NA / NA Lab: BAT

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

CD-1 CRL Mouse Fem DMBA 25/ BPO 20	DAY ON TEST ale ANIMAL ID	3 6 1	0 3 6 1 0 0 6 9 2	0 3 6 1 0 0 6 9 3	0 3 6 1 0 0 6 9 4	0 3 6 1 0 0 6 9 5	0 3 6 1 0 0 6 9 6	0 3 6 2 0 0 6 9 7	0 3 6 2 0 0 0 6 9 8	0 3 6 2 0 0 6 9 9	0 3 6 2 0 0 7 0 0 0	0 3 6 2 0 0 7 0 1	0 3 6 2 0 0 7 0 2	0 3 6 3 0 0 7 0 3	0 3 6 3 0 0 7 0 4	0 3 6 3 0 0 7 0 5	0 3 6 3 0 0 7 0 6	0 3 6 3 0 0 7 0 7	0 3 6 3 0 0 7 0 8	0 3 6 4 0 0 7 0 9	0 3 6 4 0 0 7 1 0	0 3 6 4 0 7 1 1	0 3 6 4 0 0 7 1 2	0 3 6 4 0 0 7 1 3	0 3 6 4 0 0 7 1 4	0 3 6 5 0 0 7 1 5	0 3 6 5 0 0 7 1 6	0 3 6 5 0 0 7 1 7	0 3 6 5 0 0 7 1 8	0 3 6 5 0 0 7 1 9	0 3 6 5 0 0 7 2 0
Squamous Cell Papilloma, N Skin, SOA-No Mass Musculoskeletal System	Multiple	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	X +	+	+	Х	+	+	X +		+	+	+	+	+	+
NONE Nervous System																															
NONE Respiratory System																															
NONE Special Senses System																															
NONE Urinary System																															
NONE Systemic Lesions																															
Multiple Organ		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

* ..Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

P04: NEOPLASMS 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: 14:50:08 First Dose M/F: NA / NA Lab: BAT

DAY ON TEST

CD-1 CRL Mouse Female 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	1
Skin, Control	20
Skin, SOA-Mass	6
Keratoacanthoma	1
Squamous Cell Carcinoma	2
Squamous Cell Papilloma	2
Squamous Cell Papilloma, Multiple	3

* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

P04: NEOPLASMS 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: 14:50:08 First Dose M/F: NA / NA Lab: BAT

DAY ON TEST

CD-1 CRL Mouse Female DMBA 25/ BPO 20

	ANIMAL ID	
		*TOTALS
Skin, SOA-No Mass Musculoskeletal System		28
NONE Nervous System		
NONE Respiratory System		
NONE Special Senses System		
NONE Urinary System		
NONE Systemic lesions		
Multiple Organ		30

* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

P04: NEOPLASMS 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: 14:50:08 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

* .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

P04: NEOPLASMS 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: 14:50:08 First Dose M/F: NA / NA Lab: BAT

DAY ON TEST

CD-1 CRL Mouse Female SENTINEL FEMALE

ANIMAL ID

*TOTALS

Respiratory System

NONE Special Senses System

NONE Urinary System

NONE SYSTEMIC LESIONS

Multiple Organ

0

** END OF REPORT **

* .. Total animals with tissue examined microscopically; Total animals with tumor

+ $\hfill ... Tissue examined microscopically$

X ..Lesion present

I .. Insufficient tissue