Experiment Number: 05117-04
Test Type: INIT/PROMOT
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

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

CAS Number: INIT/PROM

Date Report Requested: 10/21/2014 Time Report Requested: 06:26:23

First Dose M/F: NA / NA

Lab: BAT

C Number: C61994A

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

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Type: INIT/PROMOT

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

Route: SKIN APPLICATION

Time Report Requested: 06:26:23

Date Report Requested: 10/21/2014

First Dose M/F: NA / NA

Lab: BAT

B6C3F1 Mouse Male VEHICLE CONTROL

Species/Strain: Mouse/B6C3F1

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	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	6	6	6	6	6	6	6	6	6	6	6
	3	3	3	3	3	3	4	4	4	4	4	4	5	5	5	5	5	5	6	6	6	6	6	6	7	7	7	7	7	7
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
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	2	2	2	2	2	2	2	2	2	2	3
	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

Musculoskeletal System

NONE

Nervous System

NONE

X ..Lesion present

I .. Insufficient tissue

M ..Missing tissue

A .. Autolysis precludes evaluation

^{* ..}Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..} Tissue examined microscopically

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

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

Time Report Requested: 06:26:23
First Dose M/F: NA / NA

Date Report Requested: 10/21/2014

Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

CAS Number: INIT/PROM

Lab: BAT

B6C3F1 Mouse Male VEHICLE CONTROL

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	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	6	6	6	6	6	6	6	6	6	6	6
	3	3	3	3	3	3	4	4	4	4	4	4	5	5	5	5	5	5	6	6	6	6	6	6	7	7	7	7	7	7
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
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	2	2	2	2	2	2	2	2	2	2	3
	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

Respiratory System

NONE

Special Senses System

NONE

Urinary System

NONE

SYSTEMIC LESIONS

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A .. Autolysis precludes evaluation

^{* ..}Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..} Tissue examined microscopically

Experiment Number: 05117-04 **Test Type:** INIT/PROMOT

Species/Strain: Mouse/B6C3F1

Route: 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: 10/21/2014 Time Report Requested: 06:26:23

First Dose M/F: NA / NA

Lab: BAT

DAY ON TEST

B6C3F1 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 30

Musculoskeletal System

NONE

Nervous System

NONE

I .. Insufficient tissue

M ..Missing tissue

A .. Autolysis precludes evaluation

^{* ..}Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..} Tissue examined microscopically

X .. Lesion present

Experiment Number: 05117-04 **Test Type:** INIT/PROMOT

Species/Strain: Mouse/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

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

CAS Number: INIT/PROM

Date Report Requested: 10/21/2014 Time Report Requested: 06:26:23

First Dose M/F: NA / NA

Lab: BAT

DAY ON TEST

B6C3F1 Mouse Male VEHICLE CONTROL

Route: SKIN APPLICATION

ANIMAL ID

*TOTALS

Respiratory System

NONE

Special Senses System

NONE

Urinary System

NONE

SYSTEMIC LESIONS

Multiple Organ 30

I ..Insufficient tissue

M ..Missing tissue

A .. Autolysis precludes evaluation

^{* ..}Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..} Tissue examined microscopically

X ..Lesion present

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

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

CAS Number: INIT/PROM

Date Report Requested: 10/21/2014 Time Report Requested: 06:26:23

First Dose M/F: NA / NA

Lab: BAT

B6C3F1 Mouse Male MNNG 100/ACETONE

Species/Strain: Mouse/B6C3F1

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	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	6	6	6	6	6	6	6	6	6	6	6
	3	3	3	3	3	3	4	4	4	4	4	4	5	5	5	5	5	5	6	6	6	6	6	6	7	7	7	7	7	7
V V II V V V I I I I	0	0	0	0	0	0	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 l	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

Skin

Integumentary System

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

M .. Missing tissue

A .. Autolysis precludes evaluation

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Type: INIT/PROMOT

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

Date Report Requested: 10/21/2014
Time Report Requested: 06:26:23

Route: SKIN APPLICATION

CAS Number: INIT/PROM

First Dose M/F: NA / NA

Lab: BAT

B6C3F1 Mouse Male MNNG 100/ACETONE

Species/Strain: Mouse/B6C3F1

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	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	6	6	6	6	6	6	6	6	6	6	6
	3	3	3	3	3	3	4	4	4	4	4	4	5	5	5	5	5	5	6	6	6	6	6	6	7	7	7	7	7	7
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
	0	0	0	0	0	0	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

NONE

Respiratory System

NONE

Special Senses System

NONE

Urinary System

NONE

SYSTEMIC LESIONS

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A .. Autolysis precludes evaluation

^{* ..}Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..} Tissue examined microscopically

Experiment Number: 05117-04
Test Type: INIT/PROMOT

Route: 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: 10/21/2014 Time Report Requested: 06:26:23

First Dose M/F: NA / NA

Lab: BAT

DAY ON TEST

B6C3F1 Mouse Male MNNG 100/ACETONE

Species/Strain: Mouse/B6C3F1

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 28 Skin, SOA-No Mass 2

Musculoskeletal System

NONE

Nervous System

NONE

I ..Insufficient tissue

M ..Missing tissue

A .. Autolysis precludes evaluation

^{* ..}Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..} Tissue examined microscopically

X .. Lesion present

Experiment Number: 05117-04 **Test Type:** INIT/PROMOT

Route: 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: 10/21/2014 Time Report Requested: 06:26:23

First Dose M/F: NA / NA

Lab: BAT

DAY ON TEST

B6C3F1 Mouse Male MNNG 100/ACETONE

Species/Strain: Mouse/B6C3F1

ANIMAL ID

*TOTALS

Respiratory System

NONE

Special Senses System

NONE

Urinary System

NONE

SYSTEMIC LESIONS

Multiple Organ 30

I .. Insufficient tissue

M ..Missing tissue

A .. Autolysis precludes evaluation

^{* ..}Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..} Tissue examined microscopically

X ..Lesion present

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Type: INIT/PROMOT Route: SKIN APPLICATION

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

CAS Number: INIT/PROM

Date Report Requested: 10/21/2014
Time Report Requested: 06:26:23

First Dose M/F: NA / NA

Lab: BAT

B6C3F1 Mouse Male MNNG 500/ACETONE

Species/Strain: Mouse/B6C3F1

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	3	3	3	2	3	3	3	3
	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
	3	3	3	3	3	3	4	4	4	4	4	4	5	5	5	5	5	5	6	6	6	6	6	6	7	6	7	7	7	7
V V II V V V I I I I	0	0	0	0	0	0	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 l	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, SOA-Mass
+
Subcut Tiss, Sarcoma
X

X ..Lesion present

M ..Missing tissue

A .. Autolysis precludes evaluation

^{* ..}Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..} Tissue examined microscopically

I .. Insufficient tissue

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Type: INIT/PROMOT Route: SKIN APPLICATION

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

CAS Number: INIT/PROM

Date Report Requested: 10/21/2014 Time Report Requested: 06:26:24

First Dose M/F: NA / NA

Lab: BAT

B6C3F1 Mouse Male MNNG 500/ACETONE

Species/Strain: Mouse/B6C3F1

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	3	3	3	2	3	3	3	3
	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
	3	3	3	3	3	3	4	4	4	4	4	4	5	5	5	5	5	5	6	6	6	6	6	6	7	6	7	7	7	7
V VIII V V I I I	0	0	0	0	0	0	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 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

SYSTEMIC LESIONS

Multiple Organ

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A .. Autolysis precludes evaluation

^{* ..}Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..} Tissue examined microscopically

Test Type: INIT/PROMOT

Route: 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: 10/21/2014 Time Report Requested: 06:26:24

First Dose M/F: NA / NA

Lab: BAT

DAY ON TEST

B6C3F1 Mouse Male MNNG 500/ACETONE

Species/Strain: Mouse/B6C3F1

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	11
Skin, Control	1
Skin, SOA-Mass	1
Subcut Tiss, Sarcoma	1
Skin, SOA-No Mass	18

Musculoskeletal System

NONE

I .. Insufficient tissue

M ..Missing tissue

A .. Autolysis precludes evaluation

^{* ..}Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..} Tissue examined microscopically

X .. Lesion present

Experiment Number: 05117-04
Test Type: INIT/PROMOT

Route: 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: 10/21/2014 Time Report Requested: 06:26:24

First Dose M/F: NA / NA

Lab: BAT

DAY ON TEST

B6C3F1 Mouse Male MNNG 500/ACETONE

Species/Strain: Mouse/B6C3F1

ANIMAL ID

*TOTALS

Nervous System

NONE

Respiratory System

NONE

Special Senses System

NONE

Urinary System

NONE

SYSTEMIC LESIONS

Multiple Organ 30

I .. Insufficient tissue

M ..Missing tissue

A .. Autolysis precludes evaluation

^{* ..}Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..} Tissue examined microscopically

X ..Lesion present

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Type: INIT/PROMOT Route: SKIN APPLICATION

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

CAS Number: INIT/PROM

Date Report Requested: 10/21/2014 Time Report Requested: 06:26:24

First Dose M/F: NA / NA

Lab: BAT

B6C3F1 Mouse Male MNNG1000/ACETONE

Species/Strain: Mouse/B6C3F1

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	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	3
	6	6	1	6	6	6	6	6	6	1	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
	3	3	2	3	3	3	3	4	4	8	4	4	4	4	5	5	5	5	5	6	6	6	6	6	7	7	7	7	7	7
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
	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

X ..Lesion present

M .. Missing tissue

A .. Autolysis precludes evaluation

^{* ..}Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..} Tissue examined microscopically

I .. Insufficient tissue

Experiment Number: 05117-04 Test Type: INIT/PROMOT

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

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

Route: SKIN APPLICATION Species/Strain: Mouse/B6C3F1 CAS Number: INIT/PROM

Date Report Requested: 10/21/2014 Time Report Requested: 06:26:24

Х

First Dose M/F: NA / NA

Lab: BAT

B6C3F1 Mouse Male MNNG1000/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	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	3
	6	6	1	6	6	6	6	6	6	1	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
	3	3	2	3	3	3	3	4	4	8	4	4	4	4	5	5	5	5	5	6	6	6	6	6	7	7	7	7	7	7
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
	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

Subcut Tiss, Sarcoma Skin, SOA-No Mass

Subcut Tiss, Sarcoma

Musculoskeletal System

NONE

Nervous System

NONE

Respiratory System

NONE

Special Senses System

NONE

Urinary System

NONE

SYSTEMIC LESIONS

Multiple Organ

X ..Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

^{* ..}Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..} Tissue examined microscopically

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Type: INIT/PROMOT

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

Time Report Requested: 06:26:24

Route: SKIN APPLICATION Species/Strain: Mouse/B6C3F1 CAS Number: INIT/PROM

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

Date Report Requested: 10/21/2014

DAY ON TEST

B6C3F1 Mouse Male MNNG1000/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	6
Skin, SOA-Mass	10
Keratoacanthoma	1
Squamous Cell Carcinoma	3
Squamous Cell Papilloma	1
Subcut Tiss, Fibrosarcoma	1
Subcut Tiss, Sarcoma	3

X .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

^{* ..}Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..} Tissue examined microscopically

Test Type: INIT/PROMOT

Route: 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: 10/21/2014 Time Report Requested: 06:26:24

First Dose M/F: NA / NA

Lab: BAT

DAY ON TEST

B6C3F1 Mouse Male MNNG1000/ACETONE

Species/Strain: Mouse/B6C3F1

ANIMAL ID

*TOTALS
Skin, SOA-No Mass 22
Subcut Tiss, Sarcoma 1

Musculoskeletal System

NONE

Nervous System

NONE

Respiratory System

NONE

Special Senses System

NONE

Urinary System

NONE

SYSTEMIC LESIONS

Multiple Organ

30

I .. Insufficient tissue

M ..Missing tissue

A .. Autolysis precludes evaluation

^{* ..}Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..} Tissue examined microscopically

X .. Lesion present

Species/Strain: Mouse/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Type: INIT/PROMOT Route: SKIN APPLICATION

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

CAS Number: INIT/PROM

Date Report Requested: 10/21/2014 Time Report Requested: 06:26:24

First Dose M/F: NA / NA

Lab: BAT

B6C3F1 Mouse Male TPA 5 COMPLETE

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	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	6	6	6	6	6	6	6	6	6	6	6
	3	3	3	3	3	3	4	4	4	4	4	4	5	5	5	5	5	5	6	6	6	6	6	6	7	7	7	7	7	7
V VIIVAVI 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
	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

Musculoskeletal System

NONE

Nervous System

X ..Lesion present

I .. Insufficient tissue

M ..Missing tissue

A .. Autolysis precludes evaluation

^{* ..}Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..} Tissue examined microscopically

Test Type: INIT/PROMOT

Route: SKIN APPLICATION Species/Strain: Mouse/B6C3F1 P04: NEOPLASMS BY INDIVIDUAL ANIMAL

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

CAS Number: INIT/PROM

Date Report Requested: 10/21/2014

Time Report Requested: 06:26:24

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

B6C3F1 Mouse Male TPA 5 COMPLETE

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	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	6	6	6	6	6	6	6	6	6	6	6
	3	3	3	3	3	3	4	4	4	4	4	4	5	5	5	5	5	5	6	6	6	6	6	6	7	7	7	7	7	7
V VIIIVAVI 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
	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 1	2	3	4	5	6	7	8	9	0

NONE

Respiratory System

NONE

Special Senses System

NONE

Urinary System

NONE

SYSTEMIC LESIONS

Multiple Organ

X ..Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

^{* ..}Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..} Tissue examined microscopically

Experiment Number: 05117-04
Test Type: INIT/PROMOT

Species/Strain: Mouse/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

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

CAS Number: INIT/PROM

Date Report Requested: 10/21/2014 Time Report Requested: 06:26:24

First Dose M/F: NA / NA

Lab: BAT

DAY ON TEST

B6C3F1 Mouse Male TPA 5 COMPLETE

Route: SKIN APPLICATION

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 20 Skin, SOA-No Mass 30

Musculoskeletal System

NONE

Nervous System

NONE

I .. Insufficient tissue

M ..Missing tissue

A .. Autolysis precludes evaluation

^{* ..}Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..} Tissue examined microscopically

X .. Lesion present

Experiment Number: 05117-04
Test Type: INIT/PROMOT

Species/Strain: Mouse/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

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

CAS Number: INIT/PROM

Date Report Requested: 10/21/2014 Time Report Requested: 06:26:24

First Dose M/F: NA / NA

Lab: BAT

DAY ON TEST

B6C3F1 Mouse Male TPA 5 COMPLETE

Route: SKIN APPLICATION

ANIMAL ID

*TOTALS

Respiratory System

NONE

Special Senses System

NONE

Urinary System

NONE

SYSTEMIC LESIONS

Multiple Organ 30

I ..Insufficient tissue

M ..Missing tissue

A .. Autolysis precludes evaluation

^{* ..}Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..} Tissue examined microscopically

X ..Lesion present

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Type: INIT/PROMOT Route: SKIN APPLICATION

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

CAS Number: INIT/PROM

Date Report Requested: 10/21/2014 Time Report Requested: 06:26:24

First Dose M/F: NA / NA

Lab: BAT

B6C3F1 Mouse Male MNNG100/COMPLETE

DAY

Species/Strain: Mouse/B6C3F1

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	2	3	3	3	3	3	3	3	3	3	3	2	3	3	3	3	3	3	3	3	3	3	2	3	3	3	3	2	2	2
	8	6	0	6	6	6	6	6	6	6	1	9	4	6	6	3	3	6	5	6	6	6	4	6	6	3	4	8	8	5
	2	3	4	3	3	4	4	4	5	5	8	3	3	5	5	0	0	6	3	6	6	7	5	7	7	0	3	2	2	8
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, Control
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* ..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

Test Type: INIT/PROMOT

Route: 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: 10/21/2014 Time Report Requested: 06:26:24

First Dose M/F: NA / NA

Lab: BAT

B6C3F1 Mouse Male MNNG100/COMPLETE

Species/Strain: Mouse/B6C3F1

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
	2	3	3	3	3	3	3	3	3	3	3	2	3	3	3	3	3	3	3	3	3	3	2	3	3	3	3	2	2	2
	8	6	0	6	6	6	6	6	6	6	1	9	4	6	6	3	3	6	5	6	6	6	4	6	6	3	4	8	8	5
E	2	3	4	3	3	4	4	4	5	5	8	3	3	5	5	0	0	6	3	6	6	7	5	7	7	0	3	2	2	8
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
AINIIVIAL 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

Skin, SOA-No Mass

Musculoskeletal System

NONE

Nervous System

NONE

Respiratory System

NONE

Special Senses System

NONE

Urinary System

NONE

SYSTEMIC LESIONS

X ..Lesion present

I ..Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

^{* ..}Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..} Tissue examined microscopically

Test Type: INIT/PROMOT

Route: 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: 10/21/2014 **Time Report Requested:** 06:26:24

First Dose M/F: NA / NA

Lab: BAT

DAY ON TEST

B6C3F1 Mouse Male MNNG100/COMPLETE

Species/Strain: Mouse/B6C3F1

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	10
,	
Skin, SOA-Mass	29
Squamous Cell Carcinoma	16
Squamous Cell Carcinoma, Multiple	13
Squamous Cell Papilloma	2
Subcut Tiss, Squamous Cell Carcinoma	1
Skin, SOA-No Mass	23

I .. Insufficient tissue

M ..Missing tissue

A .. Autolysis precludes evaluation

^{* ..}Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..} Tissue examined microscopically

X .. Lesion present

Test Type: INIT/PROMOT

Route: 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: 10/21/2014 Time Report Requested: 06:26:24

First Dose M/F: NA / NA

Lab: BAT

DAY ON TEST

B6C3F1 Mouse Male MNNG100/COMPLETE

Species/Strain: Mouse/B6C3F1

ANIMAL ID

*TOTALS

Musculoskeletal System

NONE

Nervous System

NONE

Respiratory System

NONE

Special Senses System

NONE

Urinary System

NONE

SYSTEMIC LESIONS

Multiple Organ 30

I ..Insufficient tissue

M ..Missing tissue

A .. Autolysis precludes evaluation

^{* ..}Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..} Tissue examined microscopically

X ..Lesion present

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Type: INIT/PROMOT

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

Route: SKIN APPLICATION

Time Report Requested: 06:26:24

Date Report Requested: 10/21/2014

First Dose M/F: NA / NA

Lab: BAT

B6C3F1 Mouse Male BPO 20 COMPLETE

Species/Strain: Mouse/B6C3F1

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	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	6	6	6	6	6	6	6	6	6	6	6
	3	3	3	3	3	3	4	4	4	4	4	4	5	5	5	5	5	5	6	6	6	6	6	6	7	7	7	7	7	7
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
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	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 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

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

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

^{* ..}Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..} Tissue examined microscopically

X ..Lesion present

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Type: INIT/PROMOT Route: SKIN APPLICATION

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

CAS Number: INIT/PROM

Date Report Requested: 10/21/2014 Time Report Requested: 06:26:25

First Dose M/F: NA / NA

Lab: BAT

B6C3F1 Mouse Male BPO 20 COMPLETE

Species/Strain: Mouse/B6C3F1

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	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	6	6	6	6	6	6	6	6	6	6	6
	3	3	3	3	3	3	4	4	4	4	4	4	5	5	5	5	5	5	6	6	6	6	6	6	7	7	7	7	7	7
A N II N A A 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
	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 1	2	3	4	5	6	7	8	9	0

Nervous System

NONE

Respiratory System

NONE

Special Senses System

NONE

Urinary System

NONE

SYSTEMIC LESIONS

Multiple Organ

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A .. Autolysis precludes evaluation

^{* ..}Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..} Tissue examined microscopically

Test Type: INIT/PROMOT

Route: SKIN APPLICATION

Species/Strain: Mouse/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

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

CAS Number: INIT/PROM

Date Report Requested: 10/21/2014 Time Report Requested: 06:26:25

First Dose M/F: NA / NA

Lab: BAT

DAY ON TEST

B6C3F1 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 6
Skin, Control 12
Skin, SOA-No Mass 24

Musculoskeletal System

NONE

Nervous System

I ..Insufficient tissue

A .. Autolysis precludes evaluation

^{* ..}Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..} Tissue examined microscopically

X .. Lesion present

M ..Missing tissue

Experiment Number: 05117-04 **Test Type:** INIT/PROMOT

Species/Strain: Mouse/B6C3F1

Route: 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: 10/21/2014 Time Report Requested: 06:26:25

First Dose M/F: NA / NA

Lab: BAT

DAY ON TEST

B6C3F1 Mouse Male BPO 20 COMPLETE

ANIMAL ID

*TOTALS

NONE

Respiratory System

NONE

Special Senses System

NONE

Urinary System

NONE

SYSTEMIC LESIONS

Multiple Organ

30

I ..Insufficient tissue

M ..Missing tissue

A .. Autolysis precludes evaluation

^{* ..}Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..} Tissue examined microscopically

X ..Lesion present

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

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

Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

Test Type: INIT/PROMOT

CAS Number: INIT/PROM

Time Report Requested: 06:26:25

Date Report Requested: 10/21/2014

First Dose M/F: NA / NA

Lab: BAT

B6C3F1 Mouse Male MNNG 100/BPO 20

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	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	6	6	6	6	6	6	6	6	6	6	6
	3	3	3	3	3	3	4	4	4	4	4	4	5	5	5	5	5	5	6	6	6	6	6	6	7	7	7	7	7	7
V VIIVAVI 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
	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	2
	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	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

Skin

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

Musculoskeletal System

NONE

I ..Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

^{* ..}Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..} Tissue examined microscopically

X ..Lesion present

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Type: INIT/PROMOT

Route: SKIN APPLICATION Species/Strain: Mouse/B6C3F1 **Test Compound:** Init/prom comparative mouse study (DMBA/TPA/BPO/MNNG)

CAS Number: INIT/PROM

Date Report Requested: 10/21/2014 Time Report Requested: 06:26:25

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

B6C3F1 Mouse Male MNNG 100/BPO 20

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	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	6	6	6	6	6	6	6	6	6	6	6
	3	3	3	3	3	3	4	4	4	4	4	4	5	5	5	5	5	5	6	6	6	6	6	6	7	7	7	7	7	7
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	2
	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	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

Nervous System

NONE

Respiratory System

NONE

Special Senses System

NONE

Urinary System

NONE

SYSTEMIC LESIONS

Multiple Organ

X ..Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

^{* ..}Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..} Tissue examined microscopically

Test Type: INIT/PROMOT

Route: SKIN APPLICATION

Species/Strain: Mouse/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

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

CAS Number: INIT/PROM

Date Report Requested: 10/21/2014 Time Report Requested: 06:26:25

First Dose M/F: NA / NA

Lab: BAT

DAY ON TEST

B6C3F1 Mouse Male MNNG 100/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 8
Skin, Control 6
Skin, SOA-No Mass 22

Musculoskeletal System

NONE

Nervous System

I ..Insufficient tissue

M ..Missing tissue

A .. Autolysis precludes evaluation

^{* ..}Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..} Tissue examined microscopically

X .. Lesion present

Experiment Number: 05117-04 **Test Type:** INIT/PROMOT

Species/Strain: Mouse/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

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

CAS Number: INIT/PROM

Date Report Requested: 10/21/2014 Time Report Requested: 06:26:25

First Dose M/F: NA / NA

Lab: BAT

DAY ON TEST

B6C3F1 Mouse Male MNNG 100/BPO 20

Route: SKIN APPLICATION

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

M ..Missing tissue

A .. Autolysis precludes evaluation

Species/Strain: Mouse/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Type: INIT/PROMOT Route: SKIN APPLICATION

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

CAS Number: INIT/PROM

Date Report Requested: 10/21/2014 Time Report Requested: 06:26:25

First Dose M/F: NA / NA

Lab: BAT

B6C3F1 Mouse Male MNNG 500/BPO 20

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	3	3	3	3	3	3	3	3
	6	6	6	6	6	6	6	6	6	4	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
	3	3	3	3	3	3	4	4	4	3	4	4	5	5	5	5	5	5	6	6	6	6	6	6	7	7	7	7	7	7
A NIIMAA IID	0	0	0	0	0	0	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
	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	2
	4	4	4	4	4	4	4	4	4	5	5	5	5	5	5	5	5	5	5	6	6	6	6	6	6	6	6	6	6	7
	1	2	3	4	5	6	7	8	9	0	l 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 + + + + + + + + + + + Squamous Cell Carcinoma X X X X Subcut Tiss, Hemangiosarcoma X X

A .. Autolysis precludes evaluation

^{* ..}Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..} Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

M ..Missing tissue

Species/Strain: Mouse/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

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

Time Report Requested: 06:26:25

CAS Number: INIT/PROM

First Dose M/F: NA / NA

Date Report Requested: 10/21/2014

Lab: BAT

B6C3F1 Mouse Male MNNG 500/BPO 20

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	3	3	3	3	3	3	3	3
	6	6	6	6	6	6	6	6	6	4	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
	3	3	3	3	3	3	4	4	4	3	4	4	5	5	5	5	5	5	6	6	6	6	6	6	7	7	7	7	7	7
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
AINIIVIAL 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	2
	4	4	4	4	4	4	4	4	4	5	5	5	5	5	5	5	5	5	5	6	6	6	6	6	6	6	6	6	6	7
	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

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

M .. Missing tissue

A .. Autolysis precludes evaluation

Test Type: INIT/PROMOT

Route: SKIN APPLICATION

Species/Strain: Mouse/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

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

CAS Number: INIT/PROM

Date Report Requested: 10/21/2014 Time Report Requested: 06:26:25

First Dose M/F: NA / NA

Lab: BAT

DAY ON TEST

B6C3F1 Mouse Male MNNG 500/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	2
Skin, Control	3
Skin, SOA-Mass	4
Squamous Cell Carcinoma	2
Subcut Tiss, Hemangiosarcoma	1
Subcut Tiss, Sarcoma	1
Skin, SOA-No Mass	27

X .. Lesion present

I ..Insufficient tissue

M ..Missing tissue

A .. Autolysis precludes evaluation

^{* ..}Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..} Tissue examined microscopically

Species/Strain: Mouse/B6C3F1

Test Type: INIT/PROMOT

Route: 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: 10/21/2014 Time Report Requested: 06:26:25

First Dose M/F: NA / NA

Lab: BAT

DAY ON TEST

B6C3F1 Mouse Male MNNG 500/BPO 20

ANIMAL ID

*TOTALS

30

Musculoskeletal System

NONE

Nervous System

NONE

Respiratory System

NONE

Special Senses System

NONE

Urinary System

NONE

SYSTEMIC LESIONS

Multiple Organ

I ..Insufficient tissue

M ..Missing tissue

A .. Autolysis precludes evaluation

^{* ..}Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..} Tissue examined microscopically

X ..Lesion present

Species/Strain: Mouse/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Type: INIT/PROMOT Route: SKIN APPLICATION

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

CAS Number: INIT/PROM

Time Report Requested: 06:26:25

Date Report Requested: 10/21/2014

First Dose M/F: NA / NA

Lab: BAT

B6C3F1 Mouse Male MNNG1000/BPO 20

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	2	3	3	3	3	3	3	2	3	3	3	3	3	3	3	3	3
	6	6	6	6	6	6	6	6	6	6	6	6	6	9	6	6	6	6	6	6	9	6	6	6	6	6	6	6	6	6
	3	3	3	3	3	4	4	4	4	4	4	5	5	0	5	5	5	5	6	6	0	6	6	6	6	7	7	7	7	7
V VIIVAVI 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
	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	l 1	2	3	4	5	6	7	8	9	I 0	1	2	3	4	5	6	7	l 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
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X .. Lesion present

I .. Insufficient tissue

M ..Missing tissue

A .. Autolysis precludes evaluation

^{* ..}Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..} Tissue examined microscopically

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Date Report Requested: 10/21/2014

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

Time Report Requested: 06:26:26 First Dose M/F: NA / NA

CAS Number: INIT/PROM

Lab: BAT

B6C3F1 Mouse Male MNNG1000/BPO 20

Route: SKIN APPLICATION

Species/Strain: Mouse/B6C3F1

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	2	3	3	3	3	3	3	2	3	3	3	3	3	3	3	3	3
	6	6	6	6	6	6	6	6	6	6	6	6	6	9	6	6	6	6	6	6	9	6	6	6	6	6	6	6	6	6
	3	3	3	3	3	4	4	4	4	4	4	5	5	0	5	5	5	5	6	6	0	6	6	6	6	7	7	7	7	7
ANIIMAA 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
	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

Squamous Cell Papilloma, Multiple

Subcut Tiss, Sarcoma X X X

Subcut Tiss, Sarcoma, Multiple

Χ

Musculoskeletal System

NONE

Nervous System

NONE

Respiratory System

NONE

Special Senses System

NONE

Urinary System

NONE

SYSTEMIC LESIONS

X ..Lesion present

I .. Insufficient tissue

M ..Missing tissue

A .. Autolysis precludes evaluation

^{* ..}Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..} Tissue examined microscopically

Test Type: INIT/PROMOT

Route: SKIN APPLICATION

Species/Strain: Mouse/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

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

CAS Number: INIT/PROM

Date Report Requested: 10/21/2014 Time Report Requested: 06:26:26

First Dose M/F: NA / NA

Lab: BAT

DAY ON TEST

B6C3F1 Mouse Male MNNG1000/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	3
Skin, Control	3
Skin, SOA-Mass	12
Squamous Cell Carcinoma	1
Squamous Cell Carcinoma, Multiple	1
Squamous Cell Papilloma	3
Squamous Cell Papilloma, Multiple	1

I .. Insufficient tissue

M ..Missing tissue

A .. Autolysis precludes evaluation

^{* ..}Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..} Tissue examined microscopically

X .. Lesion present

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

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

CAS Number: INIT/PROM

First Dose M/F: NA / NA

Date Report Requested: 10/21/2014

Time Report Requested: 06:26:26

Lab: BAT

Species/Strain: Mouse/B6C3F1

Route: SKIN APPLICATION

DAY ON TEST

B6C3F1 Mouse Male MNNG1000/BPO 20

ANIMAL ID

	*TOTALS
Subcut Tiss, Sarcoma	3
Subcut Tiss, Sarcoma, Multiple	1
Skin, SOA-No Mass	26

Musculoskeletal System

NONE

Nervous System

NONE

Respiratory System

NONE

Special Senses System

NONE

Urinary System

NONE

SYSTEMIC LESIONS

Multiple Organ 30

I .. Insufficient tissue

M ..Missing tissue

A .. Autolysis precludes evaluation

^{* ..}Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..} Tissue examined microscopically

X ..Lesion present

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Type: INIT/PROMOT

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

Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

CAS Number: INIT/PROM

Date Report Requested: 10/21/2014
Time Report Requested: 06:26:26

First Dose M/F: NA / NA

Χ

Χ

Lab: BAT

B6C3F1 Mouse Male MNNG 100/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	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
	6	6	6	6	6	6	6	6	4	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
	3	3	3	3	3	3	4	4	3	4	4	4	4	5	5	5	5	5	5	6	6	6	6	6	7	7	7	7	7	7
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
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	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

Skin, SOA-Mass +

Squamous Cell Papilloma X X

Squamous Cell Papilloma, Multiple X

Subcut Tiss, Sarcoma

* ..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

Χ

BLANK .. Not examined microscopically

Χ

Species/Strain: Mouse/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Type: INIT/PROMOT

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

Route: SKIN APPLICATION

CAS Number: INIT/PROM

Date Report Requested: 10/21/2014 Time Report Requested: 06:26:26

First Dose M/F: NA / NA

Lab: BAT

B6C3F1 Mouse Male MNNG 100/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	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
	6	6	6	6	6	6	6	6	4	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
	3	3	3	3	3	3	4	4	3	4	4	4	4	5	5	5	5	5	5	6	6	6	6	6	7	7	7	7	7	7
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
AINIIVIAL 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	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
	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	3
	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

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

M ..Missing tissue

A .. Autolysis precludes evaluation

Test Type: INIT/PROMOT

Route: SKIN APPLICATION

Species/Strain: Mouse/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

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

CAS Number: INIT/PROM

Date Report Requested: 10/21/2014 Time Report Requested: 06:26:26

First Dose M/F: NA / NA

Lab: BAT

DAY ON TEST

B6C3F1 Mouse Male MNNG 100/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	1
Skin, Control	7
Skin, SOA-Mass	9
Squamous Cell Papilloma	5
Squamous Cell Papilloma, Multiple	2
Subcut Tiss, Sarcoma	1
Skin, SOA-No Mass	29

I .. Insufficient tissue

M ..Missing tissue

A .. Autolysis precludes evaluation

^{* ..}Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..} Tissue examined microscopically

X .. Lesion present

Species/Strain: Mouse/B6C3F1

Test Type: INIT/PROMOT

Route: 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: 10/21/2014 Time Report Requested: 06:26:26

First Dose M/F: NA / NA

Lab: BAT

DAY ON TEST

B6C3F1 Mouse Male MNNG 100/TPA 5

ANIMAL ID

*TOTALS

Musculoskeletal System

NONE

Nervous System

NONE

Respiratory System

NONE

Special Senses System

NONE

Urinary System

NONE

SYSTEMIC LESIONS

Multiple Organ

30

X ..Lesion present

I .. Insufficient tissue

M ..Missing tissue

A .. Autolysis precludes evaluation

^{* ..}Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..} Tissue examined microscopically

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Type: INIT/PROMOT

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

Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

CAS Number: INIT/PROM

Date Report Requested: 10/21/2014 Time Report Requested: 06:26:26

First Dose M/F: NA / NA

Lab: BAT

B6C3F1 Mouse Male MNNG1000/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	3	3	2	2	3	3	2	3	3	3	3	3	3	3	3	2	1	3	3	1	2	3	3	3	3	3	3	2
	6	6	6	6	2	2	1	6	2	6	0	4	6	6	6	6	6	8	6	6	6	9	6	1	6	6	4	6	6	6
	3	8	3	3	7	7	8	4	7	4	4	9	4	5	5	5	6	2	5	6	6	5	6	8	6	7	3	7	7	6
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
	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
	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

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	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Squamous Cell Carcinoma	Χ				Χ												Χ			Χ		
Squamous Cell Carcinoma, Multiple						Χ																
Squamous Cell Papilloma						Χ														Χ	Χ	
Squamous Cell Papilloma, Multiple			Χ								Χ	Х										

X ..Lesion present

I .. Insufficient tissue

A .. Autolysis precludes evaluation

^{* ..}Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..} Tissue examined microscopically

M ..Missing tissue

P04: NEOPLASMS BY INDIVIDUAL ANIMAL Date Report Requested: 10/21/2014 **Experiment Number: 05117-04** Time Report Requested: 06:26:26 Test Type: INIT/PROMOT **Test Compound:** Init/prom comparative mouse study (DMBA/TPA/BPO/MNNG) **Route: SKIN APPLICATION CAS Number: INIT/PROM** First Dose M/F: NA / NA Species/Strain: Mouse/B6C3F1 Lab: BAT DAY ON TEST 2 7 2 7 **B6C3F1 Mouse Male** 7 5 *5* MNNG1000/TPA 5 ANIMAL ID Õ Õ Õ 3 3 2 3 3 5 3 3 9 3 4 6 3 5 2 3 4 9 3 5 9 3 3 8 4 5 3 4 8 5 5 7 5 8 3 3 3 6 3 7 5 0 5 5 3 5 5 5 6 Subcut Tiss, Sarcoma X X Χ X X Χ X X Χ Χ Χ Χ Subcut Tiss, Sarcoma, Multiple Trichoepithelioma Х Skin, SOA-No Mass Χ Subcut Tiss, Lymphangioma Χ Subcut Tiss, Lymphangiosarcoma **Musculoskeletal System** NONE **Nervous System** NONE **Respiratory System**

NONE

Special Senses System

NONE

Urinary System

NONE

SYSTEMIC LESIONS

Multiple Organ

X .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

^{* ..}Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..} Tissue examined microscopically

Test Type: INIT/PROMOT

Route: SKIN APPLICATION

Species/Strain: Mouse/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

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

CAS Number: INIT/PROM

Date Report Requested: 10/21/2014 Time Report Requested: 06:26:26

First Dose M/F: NA / NA

Lab: BAT

DAY ON TEST

B6C3F1 Mouse Male MNNG1000/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, Control	9
Skin, SOA-Mass	22
Squamous Cell Carcinoma	4
Squamous Cell Carcinoma, Multiple	1
Squamous Cell Papilloma	3
Squamous Cell Papilloma, Multiple	3
Subcut Tiss, Sarcoma	10

I .. Insufficient tissue

M ..Missing tissue

A .. Autolysis precludes evaluation

^{* ..}Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..} Tissue examined microscopically

X .. Lesion present

Test Type: INIT/PROMOT

Route: SKIN APPLICATION

Species/Strain: Mouse/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

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

CAS Number: INIT/PROM

First Dose M/F: NA / NA

Date Report Requested: 10/21/2014

Time Report Requested: 06:26:26

Lab: BAT

DAY ON TEST

B6C3F1 Mouse Male MNNG1000/TPA 5

ANIMAL ID

	*TOTALS
Subcut Tiss, Sarcoma, Multiple	2
Trichoepithelioma	2
Skin, SOA-No Mass	28
Subcut Tiss, Lymphangioma	1
Subcut Tiss, Lymphangiosarcoma	1

Musculoskeletal System

NONE

Nervous System

NONE

Respiratory System

NONE

Special Senses System

NONE

Urinary System

NONE

SYSTEMIC LESIONS

Multiple Organ 30

X ..Lesion present

I .. Insufficient tissue

M ..Missing tissue

A .. Autolysis precludes evaluation

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

^{+ ..} Tissue examined microscopically

Test Type: INIT/PROMOT

Route: SKIN APPLICATION

Species/Strain: Mouse/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

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

CAS Number: INIT/PROM

Date Report Requested: 10/21/2014 Time Report Requested: 06:26:26

First Dose M/F: NA / NA

Lab: BAT

DAY ON TEST

B6C3F1 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

X .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

^{* ..}Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..} Tissue examined microscopically

Experiment Number: 05117-04
Test Type: INIT/PROMOT

Species/Strain: Mouse/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

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

CAS Number: INIT/PROM

Date Report Requested: 10/21/2014 Time Report Requested: 06:26:26

First Dose M/F: NA / NA

Lab: BAT

DAY ON TEST

B6C3F1 Mouse Male SENTINEL MALE

Route: SKIN APPLICATION

ANIMAL ID

*TOTALS

Respiratory System

NONE

Special Senses System

NONE

Urinary System

NONE

SYSTEMIC LESIONS

Multiple Organ 0

END OF MALE DATA

X ..Lesion present

I .. Insufficient tissue

M ..Missing tissue

A .. Autolysis precludes evaluation

^{* ..}Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..} Tissue examined microscopically

Species/Strain: Mouse/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Type: INIT/PROMOT **Route:** SKIN APPLICATION

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

CAS Number: INIT/PROM

Date Report Requested: 10/21/2014
Time Report Requested: 06:26:26

First Dose M/F: NA / NA

Lab: BAT

B6C3F1 Mouse Female VEHICLE CONTROL

DAY ON TEST **5** ANIMAL ID Õ Õ Õ 3 7 3 6 2 3 6 5 3 7 6 3 8 2 6 8 6 9 7 5 3 8 9 6 6 6 7 7 7 2 7 7 7 8 8 5 8 6 8 7 8 8

Alimentary System

NONE

Cardiovascular System

NONE

Endocrine System

NONE

General Body System

NONE

Genital System

NONE

Hematopoietic System

NONE

Integumentary System

Musculoskeletal System

NONE

Nervous System

NONE

X .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

^{* ..} Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..} Tissue examined microscopically

P04: NEOPLASMS 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: 10/21/2014 Time Report Requested: 06:26:27

First Dose M/F: NA / NA

Lab: BAT

Species/Strain: Mouse/B6C3F1

Route: SKIN APPLICATION

B6C3F1 Mouse Female VEHICLE CONTROL

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
lo.	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
le	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
	3	3	3	3	3	3	4	4	4	4	4	4	5	5	5	5	5	5	6	6	6	6	6	6	7	7	7	7	7	7
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
	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
	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

Respiratory System

NONE

Special Senses System

NONE

Urinary System

NONE

SYSTEMIC LESIONS

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A .. Autolysis precludes evaluation

^{* ..}Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..} Tissue examined microscopically

Experiment Number: 05117-04
Test Type: INIT/PROMOT

Species/Strain: Mouse/B6C3F1

Route: 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: 10/21/2014 Time Report Requested: 06:26:27

First Dose M/F: NA / NA

Lab: BAT

DAY ON TEST

B6C3F1 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 30

Musculoskeletal System

NONE

Nervous System

NONE

X .. Lesion present

I .. Insufficient tissue

M ..Missing tissue

A .. Autolysis precludes evaluation

^{* ..}Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..} Tissue examined microscopically

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Type: INIT/PROMOT

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

Route: SKIN APPLICATION

CAS Number: INIT/PROM

On a size / Otracia a M

iber: INIT/PROM

Date Report Requested: 10/21/2014

Time Report Requested: 06:26:27

First Dose M/F: NA / NA

Lab: BAT

Species/Strain: Mouse/B6C3F1

DAY ON TEST

B6C3F1 Mouse Female VEHICLE CONTROL

ANIMAL ID

*TOTALS

Respiratory System

NONE

Special Senses System

NONE

Urinary System

NONE

SYSTEMIC LESIONS

Multiple Organ

30

I .. Insufficient tissue

M ..Missing tissue

A .. Autolysis precludes evaluation

^{* ..}Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..} Tissue examined microscopically

X ..Lesion present

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Type: INIT/PROMOT

Species/Strain: Mouse/B6C3F1

Route: SKIN APPLICATION

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

CAS Number: INIT/PROM

Time Report Requested: 06:26:27

Date Report Requested: 10/21/2014

First Dose M/F: NA / NA

Lab: BAT

B6C3F1 Mouse Female MNNG 100/ACETONE

ANIMAL ID

DAY ON TEST **5** Õ Õ Õ Õ 3 9 2 3 9 5 9 8 3 9 9 9 9 6 9 7 5 6 Ó

Alimentary System

NONE

Cardiovascular System

NONE

Endocrine System

NONE

General Body System

NONE

Genital System

NONE

Hematopoietic System

NONE

Skin

Integumentary System

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

M .. Missing tissue

A .. Autolysis precludes evaluation

P04: NEOPLASMS 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: 10/21/2014 Time Report Requested: 06:26:27

First Dose M/F: NA / NA

Lab: BAT

Species/Strain: Mouse/B6C3F1

Route: SKIN APPLICATION

DAY ON TES	$T \boxed{\mathfrak{o}}$	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
B6C3F1 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
Docsi i Mouse i emale	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
MNNG 100/ACETONE	3	3	3	3	3	3	4	4	4	4	4	4	5	5	5	5	5	5	6	6	6	6	6	6	7	7	7	7	7	7
ANIMAL I	0	0	0	0	0	0	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 I	0	0	0	0	0	0	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	4	4	4	4	4	4	4	4	4	4	4
	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	R	9	0	1 1	2	3	4	5	6	7	A I	9	0	1	2	3	1 4	5	6	7	l a l	9	. 0

NONE

Respiratory System

NONE

Special Senses System

NONE

Urinary System

NONE

SYSTEMIC LESIONS

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A .. Autolysis precludes evaluation

^{* ..}Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..} Tissue examined microscopically

Test Type: INIT/PROMOT

Route: SKIN APPLICATION

Species/Strain: Mouse/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

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

CAS Number: INIT/PROM

Date Report Requested: 10/21/2014 Time Report Requested: 06:26:27

First Dose M/F: NA / NA

Lab: BAT

DAY ON TEST

B6C3F1 Mouse Female MNNG 100/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 28 Skin, SOA-No Mass 2

Musculoskeletal System

NONE

Nervous System

NONE

X .. Lesion present

I .. Insufficient tissue

M ..Missing tissue

A .. Autolysis precludes evaluation

^{* ..}Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..} Tissue examined microscopically

Test Type: INIT/PROMOT

Route: SKIN APPLICATION

Species/Strain: Mouse/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

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

CAS Number: INIT/PROM

Date Report Requested: 10/21/2014 Time Report Requested: 06:26:27

First Dose M/F: NA / NA

Lab: BAT

DAY ON TEST

B6C3F1 Mouse Female MNNG 100/ACETONE

ANIMAL ID

*TOTALS

Respiratory System

NONE

Special Senses System

NONE

Urinary System

NONE

SYSTEMIC LESIONS

Multiple Organ 30

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

^{* ..}Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..} Tissue examined microscopically

X ..Lesion present

Test Type: INIT/PROMOT

Route: SKIN APPLICATION

Species/Strain: Mouse/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

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

CAS Number: INIT/PROM

Date Report Requested: 10/21/2014 Time Report Requested: 06:26:27

First Dose M/F: NA / NA

Lab: BAT

DAY ON TEST **B6C3F1 Mouse Female 5 MNNG 500/ACETONE** ANIMAL ID Õ Õ Õ Õ Õ Õ Õ Õ 1 5 6 7 9 7 9 5

Alimentary System

NONE

Cardiovascular System

NONE

Endocrine System

NONE

General Body System

NONE

Genital System

NONE

Hematopoietic System

NONE

Skin

Integumentary System

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

M .. Missing tissue

A .. Autolysis precludes evaluation

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

CAS Number: INIT/PROM

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

Date Report Requested: 10/21/2014 Time Report Requested: 06:26:27

7

7

Õ

4 9

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

5

6

4 3

Species/Strain: Mouse/B6C3F1

Route: SKIN APPLICATION

DAY ON TE	ST	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(
DCC2E4 Mayor Famala		3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
B6C3F1 Mouse Female		6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	0
MNNG 500/ACETONE		3	3	3	3	3	3	4	4	4	4	4	4	5	5	5	5	5	5	6	6	6	6	(
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(
ANIMAL	ן טו	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(
		4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
		2	2	2	2	2	2	2	2	2	3	3	3	3	3	3	3	3	3	3	4	4	4	4
		1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	1

NONE

Respiratory System

NONE

Special Senses System

NONE

Urinary System

NONE

SYSTEMIC LESIONS

Multiple Organ

X .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

^{* ..}Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..} Tissue examined microscopically

Test Type: INIT/PROMOT

Route: SKIN APPLICATION

Species/Strain: Mouse/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

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

CAS Number: INIT/PROM

Date Report Requested: 10/21/2014 **Time Report Requested:** 06:26:27

First Dose M/F: NA / NA

Lab: BAT

DAY ON TEST

B6C3F1 Mouse Female MNNG 500/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 9 Skin, SOA-No Mass 21

Musculoskeletal System

NONE

Nervous System

NONE

I .. Insufficient tissue

M ..Missing tissue

A .. Autolysis precludes evaluation

^{* ..}Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..} Tissue examined microscopically

X .. Lesion present

Test Type: INIT/PROMOT

Route: SKIN APPLICATION

Species/Strain: Mouse/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

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

CAS Number: INIT/PROM

Date Report Requested: 10/21/2014 Time Report Requested: 06:26:27

First Dose M/F: NA / NA

Lab: BAT

DAY ON TEST

B6C3F1 Mouse Female MNNG 500/ACETONE

ANIMAL ID

*TOTALS

Respiratory System

NONE

Special Senses System

NONE

Urinary System

NONE

SYSTEMIC LESIONS

Multiple Organ 30

I .. Insufficient tissue

M ..Missing tissue

A .. Autolysis precludes evaluation

^{* ..}Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..} Tissue examined microscopically

X ..Lesion present

Species/Strain: Mouse/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Type: INIT/PROMOT Route: SKIN APPLICATION

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

CAS Number: INIT/PROM

Date Report Requested: 10/21/2014

Time Report Requested: 06:26:27 First Dose M/F: NA / NA

Lab: BAT

B6C3F1 Mouse Female MNNG1000/ACETONE

DAY ON TEST *2* 5 2 *5 5 7* ANIMAL ID Õ Õ Õ Õ Õ Õ Õ 7 9 5 1 5 2 5 5 5 8 5 9 6 5 7 2 7 5 7 7 6 7 8 9 0 . 7 7

Alimentary System

NONE

Cardiovascular System

NONE

Endocrine System

NONE

General Body System

NONE

Genital System

NONE

Hematopoietic System

NONE

Integumentary System

Skin	+ +	+ + +	+ -	+ +	
Sarcoma		X			
Squamous Cell Carcinoma		X			
Skin, Control		+			+
Subcut Tiss, Sarcoma		X			
Skin, SOA-Mass	+ +	+ +	+	+	+ +

X .. Lesion present

I .. Insufficient tissue

A .. Autolysis precludes evaluation

^{* ..}Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..} Tissue examined microscopically

M ..Missing tissue

Experiment Number: 05117-04 Test Type: INIT/PROMOT

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

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

Route: SKIN APPLICATION

CAS Number: INIT/PROM

Date Report Requested: 10/21/2014

Time Report Requested: 06:26:27

First Dose M/F: NA / NA

Lab: BAT

Species/Strain: Mouse/B6C3F1

B6C3F1 Mouse Female		0 2 9 8	0 3 4 9	0 3 6 3	0 3 6 3	0 3 6 3	0 3 6 3	0 3 0 4	0 2 4 5	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 6 5	0 3 6 5	0 3 6 5	0 3 6 6	0 3 6 6	0 1 7 7	0 3 6 6	0 3 6 6	0 3 6 7	0 3 6 7	0 3 6 7	0 3 6 7	0 1 7 7	0 2 8 2	0 3 6 7
	ANIMAL ID	0 0 4 5 1	0 0 4 5 2	0 0 4 5 3	0 0 4 5 4	0 0 4 5 5	0 0 4 5 6	0 0 4 5 7	0 0 4 5 8	0 0 4 5 9	0 0 4 6 0	0 0 4 6 1	0 0 4 6 2	0 0 4 6 3	0 0 4 6 4	0 0 4 6 5	0 0 4 6 6	0 0 4 6 7	0 0 4 6 8	0 0 4 6 9	0 0 4 7 0	0 0 4 7 1	0 0 4 7 2	0 0 4 7 3	0 0 4 7 4	0 0 4 7 5	0 0 4 7 6	0 0 4 7 7	0 0 4 7 8	0 0 4 7 9	0 0 4 8 0
Squamous Cell Carcinoma			Χ						Χ													Χ							Χ	Χ	
Subcut Tiss, Sarcoma		X						Χ								Χ												Χ			

Skin, SOA-No Mass

Subcut Tiss, Sarcoma, Multiple

Musculoskeletal System

NONE

Nervous System

NONE

Respiratory System

NONE

Special Senses System

NONE

Urinary System

NONE

SYSTEMIC LESIONS

Multiple Organ

M .. Missing tissue

A .. Autolysis precludes evaluation

^{* ..}Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..} Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

Test Type: INIT/PROMOT

Route: SKIN APPLICATION

Species/Strain: Mouse/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

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

CAS Number: INIT/PROM

Time Report Requested: 06:26:27

Date Report Requested: 10/21/2014

First Dose M/F: NA / NA

Lab: BAT

DAY ON TEST

B6C3F1 Mouse Female MNNG1000/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	8
Sarcoma	1
Squamous Cell Carcinoma	1
Skin, Control	2
Subcut Tiss, Sarcoma	1
Skin, SOA-Mass	9
Squamous Cell Carcinoma	5

I .. Insufficient tissue

M ..Missing tissue

A .. Autolysis precludes evaluation

^{* ..}Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..} Tissue examined microscopically

X ..Lesion present

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Date Report Requested: 10/21/2014

Time Report Requested: 06:26:27

First Dose M/F: NA / NA

Lab: BAT

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

CAS Number: INIT/PROM

Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

Test Type: INIT/PROMOT

DAY ON TEST

B6C3F1 Mouse Female MNNG1000/ACETONE

ANIMAL ID

	*TOTALS
Subcut Tiss, Sarcoma	4
Subcut Tiss, Sarcoma, Multiple	1
Skin, SOA-No Mass	19

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

M ..Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

Page 67

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

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

Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

Test Type: INIT/PROMOT

CAS Number: INIT/PROM

Date Report Requested: 10/21/2014

Time Report Requested: 06:26:28

First Dose M/F: NA / NA

Lab: BAT

B6C3F1 Mouse Female TPA 5 COMPLETE

DAY ON TEST **5** ANIMAL ID Õ Õ Õ Õ Õ 5 5 0 9 5 6 . 8 9 5 6 7 Ō 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 Skin, SOA-No Mass

Musculoskeletal System

NONE

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

^{* ..}Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..} Tissue examined microscopically

X .. Lesion present

Test Type: INIT/PROMOT

Route: SKIN APPLICATION

Species/Strain: Mouse/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

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

CAS Number: INIT/PROM

Date Report Requested: 10/21/2014

Time Report Requested: 06:26:28

First Dose M/F: NA / NA

Lab: BAT

B6C3F1 Mouse Female TPA 5 COMPLETE

DAY ON TEST *5 5* ANIMAL ID Ö Õ Õ Õ Õ Õ 5 0 9 5 0 2 1 5 7 . 8 9 5 7 Õ Õ

Nervous System

NONE

Respiratory System

NONE

Special Senses System

NONE

Urinary System

NONE

SYSTEMIC LESIONS

X .. Lesion present

I ..Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

^{* ..}Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..} Tissue examined microscopically

Route: SKIN APPLICATION

Species/Strain: Mouse/B6C3F1

P04: NEOPLASMS 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: 10/21/2014 Time Report Requested: 06:26:28

First Dose M/F: NA / NA

Lab: BAT

DAY ON TEST

B6C3F1 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, Control 23
Skin, SOA-Mass 1
Skin, SOA-No Mass 30

Musculoskeletal System

NONE

Nervous System

I .. Insufficient tissue

M ..Missing tissue

A .. Autolysis precludes evaluation

^{* ..}Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..} Tissue examined microscopically

X .. Lesion present

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Type: INIT/PROMOT

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

Route: SKIN APPLICATION

Species/Strain: Mouse/B6C3F1

CAS Number: INIT/PROM

Date Report Requested: 10/21/2014 Time Report Requested: 06:26:28

First Dose M/F: NA / NA

Lab: BAT

DAY ON TEST

B6C3F1 Mouse Female TPA 5 COMPLETE

ANIMAL ID

*TOTALS

30

NONE

Respiratory System

NONE

Special Senses System

NONE

Urinary System

NONE

SYSTEMIC LESIONS

Multiple Organ

X ..Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

^{* ..}Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..} Tissue examined microscopically

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Type: INIT/PROMOT

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

Time Report Requested: 06:26:28

Date Report Requested: 10/21/2014

Route: SKIN APPLICATION

Species/Strain: Mouse/B6C3F1

CAS Number: INIT/PROM

First Dose M/F: NA / NA

Lab: BAT

B6C3F1 Mouse Female MNNG100/COMPLETE

DAY ON TEST 9 ANIMAL ID 5 1 5 5 5 5 5 2 5 5 2 5 5 2 6 5 2 9 5 3 6 5 3 9 5 2 2 2 3 5 2 8 3 5 3 0 1 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-Mass х х $X \quad X \quad X \quad X$ х х Χ $X \quad X \quad X \quad X$ Squamous Cell Carcinoma Squamous Cell Carcinoma, Multiple Χ Χ $X \quad X \quad X$ Χ Squamous Cell Papilloma Χ

X .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

^{* ..} Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..} Tissue examined microscopically

Test Type: INIT/PROMOT

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

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

Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

CAS Number: INIT/PROM

Time Report Requested: 06:26:28

Date Report Requested: 10/21/2014

First Dose M/F: NA / NA

Lab: BAT

Χ

B6C3F1 Mouse Female MNNG100/COMPLETE

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
Jo.	3	3	3	3	3	3	3	3	2	3	3	2	2	2	3	2	3	3	3	3	3	2	3	3	3	3	1	3	3	3
le	1	3	4	1	6	6	6	6	6	6	0	8	8	6	3	8	6	4	1	6	6	9	0	6	6	6	8	3	6	6
E	8	0	3	1	3	3	4	4	8	5	8	2	1	8	9	1	5	3	8	5	6	0	8	6	6	7	9	6	7	7
	0	0	0	0	0	0	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
	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	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

Subcut Tiss, Sarcoma

Subcut Tiss, Mast Cell Tumor Benign

Χ

Musculoskeletal System

NONE

Nervous System

NONE

Respiratory System

NONE

Special Senses System

NONE

Urinary System

NONE

SYSTEMIC LESIONS

X .. Lesion present

I .. Insufficient tissue

M ..Missing tissue

A .. Autolysis precludes evaluation

^{* ..}Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..} Tissue examined microscopically

Route: SKIN APPLICATION

Species/Strain: Mouse/B6C3F1

P04: NEOPLASMS 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: 10/21/2014 **Time Report Requested:** 06:26:28

First Dose M/F: NA / NA

Lab: BAT

DAY ON TEST

B6C3F1 Mouse Female MNNG100/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	2
Skin, Control	10
Skin, SOA-Mass	30
Squamous Cell Carcinoma	24
Squamous Cell Carcinoma, Multiple	6
Squamous Cell Papilloma	1
Subcut Tiss, Sarcoma	1

I .. Insufficient tissue

M ..Missing tissue

A .. Autolysis precludes evaluation

^{* ..}Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..} Tissue examined microscopically

X .. Lesion present

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

CAS Number: INIT/PROM

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

Date Report Requested: 10/21/2014 Time Report Requested: 06:26:28

First Dose M/F: NA / NA

Lab: BAT

Species/Strain: Mouse/B6C3F1

Route: SKIN APPLICATION

DAY ON TEST

B6C3F1 Mouse Female MNNG100/COMPLETE

ANIMAL ID

*TOTALS Skin, SOA-No Mass 26 Subcut Tiss, Mast Cell Tumor Benign 1

Musculoskeletal System

NONE

Nervous System

NONE

Respiratory System

NONE

Special Senses System

NONE

Urinary System

NONE

SYSTEMIC LESIONS

Multiple Organ

30

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

X .. Lesion present

I .. Insufficient tissue

^{* ..}Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..} Tissue examined microscopically

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

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

Route: SKIN APPLICATION Species/Strain: Mouse/B6C3F1

Test Type: INIT/PROMOT

Time Report Requested: 06:26:28

Date Report Requested: 10/21/2014

First Dose M/F: NA / NA

Lab: BAT

B6C3F1 Mouse Female BPO 20 COMPLETE

DAY ON TEST 5 **5** ANIMAL ID 5 5 Õ 5 4 2 5 4 8 5 5 5 5 5 6 5 5 9 5 6 2 5 6 9 4 5 5 5 2 5 5 8 6 6 5 3 5 7 5 5 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

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

^{* ..} Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..} Tissue examined microscopically

X .. Lesion present

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

CAS Number: INIT/PROM

Test Type: INIT/PROMOT **Route: SKIN APPLICATION**

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

Time Report Requested: 06:26:28

Date Report Requested: 10/21/2014

First Dose M/F: NA / NA

Lab: BAT

B6C3F1 Mouse Female BPO 20 COMPLETE

Species/Strain: Mouse/B6C3F1

ANIMAL ID

DAY ON TEST 5 *5 5* 5 5 5 Õ 5 4 2 5 4 8 5 5 5 5 6 9 5 5 6 5 5 9 5 6 2 4 5 5 2 5 5 8 6 8 5 3 5 7 4 5 5

Nervous System

NONE

Respiratory System

NONE

Special Senses System

NONE

Urinary System

NONE

SYSTEMIC LESIONS

Multiple Organ

X .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

^{* ..}Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..} Tissue examined microscopically

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Type: INIT/PROMOT **Route:** SKIN APPLICATION

Species/Strain: Mouse/B6C3F1

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

CAS Number: INIT/PROM

Date Report Requested: 10/21/2014 Time Report Requested: 06:26:28

First Dose M/F: NA / NA

Lab: BAT

DAY ON TEST

B6C3F1 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, Control 8
Skin, SOA-No Mass 18

Musculoskeletal System

NONE

Nervous System

I ..Insufficient tissue

M ..Missing tissue

A .. Autolysis precludes evaluation

^{* ..}Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..} Tissue examined microscopically

X .. Lesion present

Test Type: INIT/PROMOT

Route: SKIN APPLICATION

Species/Strain: Mouse/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

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

CAS Number: INIT/PROM

Date Report Requested: 10/21/2014 Time Report Requested: 06:26:28

First Dose M/F: NA / NA

Lab: BAT

DAY ON TEST

B6C3F1 Mouse Female BPO 20 COMPLETE

ANIMAL ID

*TOTALS

NONE

Respiratory System

NONE

Special Senses System

NONE

Urinary System

NONE

SYSTEMIC LESIONS

Multiple Organ

30

I .. Insufficient tissue

M ..Missing tissue

A .. Autolysis precludes evaluation

^{* ..}Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..} Tissue examined microscopically

X .. Lesion present

P04: NEOPLASMS 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: 10/21/2014

Time Report Requested: 06:26:28

First Dose M/F: NA / NA

Lab: BAT

Species/Strain: Mouse/B6C3F1

Route: SKIN APPLICATION

B6C3F1 Mouse Female
MNNG 100/BPO 20

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
le	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
IC	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
	3	3	3	3	3	3	4	4	4	4	4	4	5	5	5	5	5	5	6	6	6	6	6	6	7	7	7	7	7	7
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
	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	6
	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

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

Skin, SOA-No Mass

X ..Lesion present

I .. Insufficient tissue

^{* ..}Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..} Tissue examined microscopically

M .. Missing tissue

A .. Autolysis precludes evaluation

Route: SKIN APPLICATION

Species/Strain: Mouse/B6C3F1

P04: NEOPLASMS 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: 10/21/2014

Time Report Requested: 06:26:29

First Dose M/F: NA / NA

Lab: BAT

B6C3F1 Mouse Female MNNG 100/BPO 20

DAY ON TEST *5 5* ANIMAL ID 5 7 5 7 5 7 5 7 2 5 7 5 5 8 5 5 8 6 5 8 9 5 9 2 5 9 9 7 7 7 9 9 6 7 8 3

Musculoskeletal System

NONE

Nervous System

NONE

Respiratory System

NONE

Special Senses System

NONE

Urinary System

NONE

SYSTEMIC LESIONS

X .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

^{* ..}Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..} Tissue examined microscopically

Route: SKIN APPLICATION

P04: NEOPLASMS 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: 10/21/2014 Time Report Requested: 06:26:29

First Dose M/F: NA / NA

Lab: BAT

DAY ON TEST

B6C3F1 Mouse Female MNNG 100/BPO 20

Species/Strain: Mouse/B6C3F1

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	2
Skin, SOA-Mass	1
Squamous Cell Papilloma	1
Skin, SOA-No Mass	22

Musculoskeletal System

NONE

I .. Insufficient tissue

M ..Missing tissue

A .. Autolysis precludes evaluation

^{* ..}Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..} Tissue examined microscopically

X .. Lesion present

Test Type: INIT/PROMOT

Route: SKIN APPLICATION

Species/Strain: Mouse/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

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

CAS Number: INIT/PROM

Date Report Requested: 10/21/2014 Time Report Requested: 06:26:29

First Dose M/F: NA / NA

Lab: BAT

DAY ON TEST

B6C3F1 Mouse Female MNNG 100/BPO 20

ANIMAL ID

*TOTALS

30

Nervous System

NONE

Respiratory System

NONE

Special Senses System

NONE

Urinary System

NONE

SYSTEMIC LESIONS

Multiple Organ

M ..Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

X ..Lesion present

I ..Insufficient tissue

^{* ..}Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..} Tissue examined microscopically

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

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

Date Report Requested: 10/21/2014 Time Report Requested: 06:26:29

First Dose M/F: NA / NA

Lab: BAT

Species/Strain: Mouse/B6C3F1

	DAY ON TE
B6C3F1 Mouse Fem	ale
MNNG 500/BPO 20	

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	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
	6	6	6	6	6	6	6	6	6	6	0	6	6	6	4	6	6	6	6	6	6	6	6	6	6	6	6	6	6	5
	3	3	3	3	3	3	4	4	4	4	6	4	4	5	8	5	5	5	5	6	6	6	6	6	7	7	7	7	7	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
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
	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
	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	3
	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 Skin, SOA-Mass Subcut Tiss, Sarcoma Skin, SOA-No Mass

* ..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

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

CAS Number: INIT/PROM

Test Type: INIT/PROMOT Route: SKIN APPLICATION

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

Date Report Requested: 10/21/2014

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Time Report Requested: 06:26:29

First Dose M/F: NA / NA

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6 2 4

Lab: BAT

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Species/Strain: Mouse/B6C3F1

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
B6C3F1 Mouse Female	3	3	3	3	3	3	3	3	3	3	3	3	3	3	2	3	3	3	3	3	3	3	3
Bocor i wouse remaie	6	6	6	6	6	6	6	6	6	6	0	6	6	6	4	6	6	6	6	6	6	6	6
MNNG 500/BPO 20	3	3	3	3	3	3	4	4	4	4	6	4	4	5	8	5	5	5	5	6	6	6	6
ANIMAL IE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	2	2	2	2
	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3

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

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Type: INIT/PROMOT Route: SKIN APPLICATION

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

CAS Number: INIT/PROM

Time Report Requested: 06:26:29 First Dose M/F: NA / NA

Date Report Requested: 10/21/2014

Lab: BAT

DAY ON TEST

B6C3F1 Mouse Female MNNG 500/BPO 20

Species/Strain: Mouse/B6C3F1

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	3
Skin, Control	3
Skin, SOA-Mass	2
Subcut Tiss, Sarcoma	1
Skin, SOA-No Mass	27

Musculoskeletal System

NONE

I ..Insufficient tissue

M ..Missing tissue

A .. Autolysis precludes evaluation

^{* ..}Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..} Tissue examined microscopically

X .. Lesion present

Test Type: INIT/PROMOT

Route: SKIN APPLICATION

Species/Strain: Mouse/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

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

CAS Number: INIT/PROM

Date Report Requested: 10/21/2014 Time Report Requested: 06:26:29

First Dose M/F: NA / NA

Lab: BAT

DAY ON TEST

B6C3F1 Mouse Female MNNG 500/BPO 20

ANIMAL ID

*TOTALS

Nervous System

NONE

Respiratory System

NONE

Special Senses System

NONE

Urinary System

NONE

SYSTEMIC LESIONS

Multiple Organ

30

I .. Insufficient tissue

M ..Missing tissue

A .. Autolysis precludes evaluation

^{* ..}Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..} Tissue examined microscopically

X .. Lesion present

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Type: INIT/PROMOT Route: SKIN APPLICATION

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

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CAS Number: INIT/PROM

Species/Strain: Mouse/B6C3F1

Time Report Requested: 06:26:29
First Dose M/F: NA / NA

Date Report Requested: 10/21/2014

Lab: BAT

DAY ON TEST B6C3F1 Mouse Female MNNG1000/BPO 20	0	0	0	0	0	0	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	3	1	3	3	3	2	3	3	3	3	3	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
	6	2	6	3	6	6	4	5	6	6	6	6	6	5	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
	3	7	3	4	3	3	3	4	3	4	4	4	4	8	4	5	5	5	5	5	6	6	6	6	6	7	7	7	7	7
ANIMAL ID	0 0 6 3 1	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	00637	00638	0 0 6 3 9	0 0 6 4 0	0 0 6 4 1	00642	0 0 6 4 3	0 0 6 4 4	0 0 6 4 5	00646	0 0 6 4 7	0 0 6 4 8	0 0 6 4 9	00650	0 0 6 5 1	0 0 6 5 2	0 0 6 5 3	0 0 6 5 4	00655	0 0 6 5 6	0 0 6 5 7	00658	0 0 6 5 9	0 0 6 6 0

Alimentary System

NONE

Cardiovascular System

NONE

Endocrine System

NONE

General Body System

NONE

Genital System

NONE

Hematopoietic System

NONE

Integumentary System

 Skin
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 Skin, Control
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X .. Lesion present

M .. Missing tissue

A .. Autolysis precludes evaluation

^{* ..}Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..} Tissue examined microscopically

I .. Insufficient tissue

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Date Report Requested: 10/21/2014

Test Type: INIT/PROMOT

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

Χ

Time Report Requested: 06:26:29
First Dose M/F: NA / NA

Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

CAS Number: INIT/PROM

Lab: BAT

DAY ON TEST B6C3F1 Mouse Female MNNG1000/BPO 20 ANIMAL ID	0 3 6 3 0 0 6 3 1	0 2 2 7 0 0 6 3 2	0 3 6 3 0 0 6 3 3	0 1 3 4 0 0 6 3 4	0 3 6 3 0 0 6 3 5	0 3 6 3 0 0 6 3 6	0 3 4 3 0 0 6 3 7	0 2 5 4 0 0 6 3 8	0 3 6 3 0 0 6 3 9	0 3 6 4 0 0 6 4 0	0 3 6 4 0 0 6 4 1	0 3 6 4 0 0 6 4 2	0 3 6 4 0 0 6 4 3	0 2 5 8 0 0 6 4 4	0 3 6 4 0 0 6 4 5	0 3 6 5 0 0 6 4 6	0 3 6 5 0 0 6 4 7	0 3 6 5 0 0 6 4 8	0 3 6 5 0 0 6 4 9	0 3 6 5 0 0 6 5	0 3 6 6 0 0 6 5	0 3 6 6 0 0 6 5 2	0 3 6 6 0 0 6 5 3	0 3 6 6 0 0 6 5 4	0 3 6 6 0 0 6 5 5	0 3 6 7 0 0 6 5 6	0 3 6 7 0 0 6 5 7	0 3 6 7 0 0 6 5 8	0 3 6 7 0 0 6 5 9	0 3 6 7 0 0 6 6 6
Subcut Tiss, Sarcoma		X												X													X			
Skin, SOA-No Mass	+	+		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+	+	+	+	+		+	+	+	+

Musculoskeletal System

Subcut Tiss, Sarcoma

NONE

Nervous System

NONE

Respiratory System

NONE

Special Senses System

NONE

Urinary System

NONE

SYSTEMIC LESIONS

M ..Missing tissue

A .. Autolysis precludes evaluation

^{* ..}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 Type: INIT/PROMOT

Species/Strain: Mouse/B6C3F1

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

Route: SKIN APPLICATION

First Dose M/F: NA / NA

Date Report Requested: 10/21/2014

Time Report Requested: 06:26:29

Lab: BAT

DAY ON TEST

B6C3F1 Mouse Female MNNG1000/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	2
Skin, Control	4
Skin, SOA-Mass	10
Sebaceous GI, Adenoma	1
Squamous Cell Carcinoma	4
Squamous Cell Papilloma	2
Subcut Tiss, Sarcoma	3

X .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

^{* ..}Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..} Tissue examined microscopically

Species/Strain: Mouse/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Type: INIT/PROMOT Route: SKIN APPLICATION

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

CAS Number: INIT/PROM

Date Report Requested: 10/21/2014 Time Report Requested: 06:26:29

First Dose M/F: NA / NA

Lab: BAT

DAY ON TEST

B6C3F1 Mouse Female MNNG1000/BPO 20

ANIMAL ID

	*TOTALS
Skin, SOA-No Mass	27
Subcut Tiss, Sarcoma	1

Musculoskeletal System

NONE

Nervous System

NONE

Respiratory System

NONE

Special Senses System

NONE

Urinary System

NONE

SYSTEMIC LESIONS

Multiple Organ

30

I .. Insufficient tissue

M ..Missing tissue

A .. Autolysis precludes evaluation

^{* ..}Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..} Tissue examined microscopically

X ..Lesion present

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

CAS Number: INIT/PROM

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

Date Report Requested: 10/21/2014 Time Report Requested: 06:26:29

First Dose M/F: NA / NA

Lab: BAT

Species/Strain: Mouse/B6C3F1

Route: SKIN APPLICATION

	DAY ON TE
B6C3F1 Mouse Fema	le
MNNG 100/TPA 5	

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	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
	6	6	7	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
	3	3	7	3	3	3	3	4	4	4	4	4	5	5	5	5	5	5	6	6	6	6	6	6	7	7	7	7	7	7
A N II N 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	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	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

Skin, Control

Skin, SOA-Mass

Squamous Cell Papilloma

Skin, SOA-No Mass

Musculoskeletal System

X ..Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

^{* ..}Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..} Tissue examined microscopically

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

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

Test Type: INIT/PROMOT
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

CAS Number: INIT/PROM

Date Report Requested: 10/21/2014

Time Report Requested: 06:26:30

First Dose M/F: NA / NA

Lab: BAT

B6C3F1 Mouse Female MNNG 100/TPA 5

DAY ON TEST **5** *5* ANIMAL ID Ō 6 Õ Õ Õ 6 Õ 6 6 8 7 5 7 6 7 6 7 7 2 7 7 5 7

NONE

Nervous System

NONE

Respiratory System

NONE

Special Senses System

NONE

Urinary System

NONE

SYSTEMIC LESIONS

X .. Lesion present

I ..Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

^{* ..}Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..} Tissue examined microscopically

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

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

Route: SKIN APPLICATION CAS Number: INIT/PROM

Species/Strain: Mouse/B6C3F1

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

Date Report Requested: 10/21/2014

Time Report Requested: 06:26:30

DAY ON TEST

B6C3F1 Mouse Female MNNG 100/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, Control	10
Skin, SOA-Mass	1
Squamous Cell Papilloma	1
Skin, SOA-No Mass	29

Musculoskeletal System

NONE

M ..Missing tissue

A .. Autolysis precludes evaluation

^{* ..}Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..} Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

Test Type: INIT/PROMOT

Route: SKIN APPLICATION

Species/Strain: Mouse/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

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

CAS Number: INIT/PROM

Date Report Requested: 10/21/2014 Time Report Requested: 06:26:30

First Dose M/F: NA / NA

Lab: BAT

DAY ON TEST

B6C3F1 Mouse Female MNNG 100/TPA 5

ANIMAL ID

*TOTALS

Nervous System

NONE

Respiratory System

NONE

Special Senses System

NONE

Urinary System

NONE

SYSTEMIC LESIONS

Multiple Organ

29

I ..Insufficient tissue

M ..Missing tissue

A .. Autolysis precludes evaluation

^{* ..}Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..} Tissue examined microscopically

X ..Lesion present

Species/Strain: Mouse/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Type: INIT/PROMOT Route: SKIN APPLICATION

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

CAS

CAS Number: INIT/PROM

Date Report Requested: 10/21/2014 Time Report Requested: 06:26:30

First Dose M/F: NA / NA

Lab: BAT

B6C3F1 Mouse Female MNNG1000/TPA 5

DAY ON TEST **5** *5* 7 *7* 0 7 ANIMAL ID Õ Õ Õ Õ 7 7 Õ 7 7 7 9 2 9 5 9 8 9 9 9 1 5 6 . 0 9 2 7 9

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	+	+	+		+				+	+	+	+	+	+
Squamous Cell Carcinoma														Χ
Squamous Cell Papilloma											X			
Squamous Cell Papilloma, Multiple					Χ									
Subcut Tiss, Sarcoma			Χ						Χ	X	X	Χ	Χ	Χ

X .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

^{* ..}Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..} Tissue examined microscopically

Experiment Number: 05117-04
Test Type: INIT/PROMOT

Species/Strain: Mouse/B6C3F1

Route: 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: 10/21/2014
Time Report Requested: 06:26:30

First Dose M/F: NA / NA

Lab: BAT

B6C3F1 Mouse Female MNNG1000/TPA 5

DAY ON TEST	0 2 8 2	0 3 6 3	0 3 6 3	0 3 6 3	0 3 6 3	0 2 1 2	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 6 5	0 1 7 0	0 3 6 5	0 3 6 5	0 3 6 6	0 3 6 6	0 3 6 6	0 2 9	0 3 6 6	0 3 6 7	0 3 6 7	0 3 6 7	0 3 3 8	0 3 6 7	0 3 3 0	0 3 6 7	0 2 6 8	0 0 1 2
ANIMAL ID	0 0 6 9	0 0 6 9 2	00693	0 0 6 9 4	00695	0 0 6 9 6	0 0 6 9 7	00698	00699	0 0 7 0	0 0 7 0 1	0 0 7 0 2	0 0 7 0 3	0 0 7 0 4	0 0 7 0 5	0 0 7 0 6	0 0 7 0 7	0 0 7 0 8	0 0 7 0 9	0 0 7 1 0	0 0 7 1	0 0 7 1 2	0 0 7 1 3	0 0 7 1 4	0 0 7 1 5	0 0 7 1 6	0 0 7 1 7	0 0 7 1 8	0 0 7 1 9	0 0 7 2 0

Subcut Tiss, Sarcoma, Multiple

Skin, SOA-No Mass

Subcut Tiss, Lymphangioma

Χ

Musculoskeletal System

NONE

Nervous System

NONE

Respiratory System

NONE

Special Senses System

NONE

Urinary System

NONE

SYSTEMIC LESIONS

M .. Missing tissue

A .. Autolysis precludes evaluation

^{* ..}Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..} Tissue examined microscopically

X .. Lesion present

I ..Insufficient tissue

Route: SKIN APPLICATION

P04: NEOPLASMS 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: 10/21/2014 Time Report Requested: 06:26:30

First Dose M/F: NA / NA

Lab: BAT

DAY ON TEST

B6C3F1 Mouse Female MNNG1000/TPA 5

Species/Strain: Mouse/B6C3F1

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	12
Skin, SOA-Mass	10
Squamous Cell Carcinoma	1
Squamous Cell Papilloma	1
Squamous Cell Papilloma, Multiple	1
Subcut Tiss, Sarcoma	7
Subcut Tiss, Sarcoma, Multiple	1

I .. Insufficient tissue

M ..Missing tissue

A .. Autolysis precludes evaluation

^{* ..}Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..} Tissue examined microscopically

X .. Lesion present

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Type: INIT/PROMOT

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

Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

CAS Number: INIT/PROM

First Dose M/F: NA / NA

Date Report Requested: 10/21/2014

Time Report Requested: 06:26:30

Lab: BAT

DAY ON TEST

B6C3F1 Mouse Female MNNG1000/TPA 5

ANIMAL ID

*TOTALS
Skin, SOA-No Mass 28
Subcut Tiss, Lymphangioma 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

M ..Missing tissue

A .. Autolysis precludes evaluation

P04: NEOPLASMS 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: 10/21/2014 Time Report Requested: 06:26:30

First Dose M/F: NA / NA

Lab: BAT

Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

Wodsc/Doost 1

DAY ON TEST

B6C3F1 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

X .. Lesion present

I ..Insufficient tissue

M ..Missing tissue

A .. Autolysis precludes evaluation

^{* ..}Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..} Tissue examined microscopically

Experiment Number: 05117-04
Test Type: INIT/PROMOT

Species/Strain: Mouse/B6C3F1

Route: SKIN APPLICATION

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

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

CAS Number: INIT/PROM

Time Report Requested: 06:26:30

Date Report Requested: 10/21/2014

First Dose M/F: NA / NA

Lab: BAT

DAY ON TEST

B6C3F1 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 **

X ..Lesion present

I .. Insufficient tissue

M ..Missing tissue

A .. Autolysis precludes evaluation

^{* ..}Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..} Tissue examined microscopically