Experiment Number: 05117-05
Test Type: INIT/PROMOT
Route: SKIN APPLICATION

Species/Strain: Mouse/CD-1 CRL

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

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

CAS Number: INIT/PROM

Date Report Requested: 10/19/2014 Time Report Requested: 17:43:19

First Dose M/F: NA / NA

Lab: BAT

C Number: C61994B

**Lock Date:** 04/09/1992

Cage Range: All

Date Range: All

Reasons For Removal:

Removal Date Range: All

Treatment Groups: All

Study Gender: Both

PWG Approval Date 04/28/1994

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

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

**Route: SKIN APPLICATION** Species/Strain: Mouse/CD-1 CRL

Test Type: INIT/PROMOT

**CAS Number: INIT/PROM** 

Date Report Requested: 10/19/2014 Time Report Requested: 17:43:19

First Dose M/F: NA / NA

Lab: BAT

**CD-1 CRL 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
е	3	3	3	3	3	3	3	1	3	3	3	3	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
<b>C</b>	1	6	6	6	6	6	6	5	6	6	6	6	0	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
	3	2	2	2	2	2	2	8	2	3	3	3	7	3	3	3	3	4	4	4	4	4	4	4	5	5	5	5	5	5
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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** 

Skin

Skin, SOA-No Mass

**Musculoskeletal System** 

NONE

**Nervous System** 

X .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with tumor

<sup>+ ..</sup> Tissue examined microscopically

Species/Strain: Mouse/CD-1 CRL

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

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

Route: SKIN APPLICATION

Test Type: INIT/PROMOT

CAS Number: INIT/PROM

Date Report Requested: 10/19/2014
Time Report Requested: 17:43:19

First Dose M/F: NA / NA

Lab: BAT

CD-1 CRL 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
10	3	3	3	3	3	3	3	1	3	3	3	3	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
e	1	6	6	6	6	6	6	5	6	6	6	6	0	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
	3	2	2	2	2	2	2	8	2	3	3	3	7	3	3	3	3	4	4	4	4	4	4	4	5	5	5	5	5	5
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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

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

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with tumor

<sup>+ ..</sup> Tissue examined microscopically

Species/Strain: Mouse/CD-1 CRL

**Route: SKIN APPLICATION** 

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

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

CAS Number: INIT/PROM

Date Report Requested: 10/19/2014
Time Report Requested: 17:43:19

First Dose M/F: NA / NA

Lab: BAT

DAY ON TEST

# CD-1 CRL Mouse Male VEHICLE CONTROL

ANIMAL ID

\*TOTALS

**Alimentary System** 

NONE

**Cardiovascular System** 

NONE

**Endocrine System** 

NONE

**General Body System** 

NONE

**Genital System** 

NONE

**Hematopoietic System** 

NONE

**Integumentary System** 

Skin 27 Skin, SOA-No Mass 4

**Musculoskeletal System** 

NONE

**Nervous System** 

NONE

X .. Lesion present

I .. Insufficient tissue

M ..Missing tissue

A .. Autolysis precludes evaluation

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with tumor

<sup>+ ..</sup> Tissue examined microscopically

Species/Strain: Mouse/CD-1 CRL

**Route: SKIN APPLICATION** 

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

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

CAS Number: INIT/PROM

Date Report Requested: 10/19/2014 Time Report Requested: 17:43:19

First Dose M/F: NA / NA

Lab: BAT

DAY ON TEST

CD-1 CRL Mouse Male 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

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with tumor

<sup>+ ..</sup> Tissue examined microscopically

X .. Lesion present

Species/Strain: Mouse/CD-1 CRL

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

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

Test Type: INIT/PROMOT Route: SKIN APPLICATION

CAS Number: INIT/PROM

Date Report Requested: 10/19/2014 Time Report Requested: 17:43:19

First Dose M/F: NA / NA

Lab: BAT

CD-1 CRL Mouse Male MNNG 100/ACETONE

DAY ON TEST	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3	3	3	3	3	3	1	3	3	3	3	3	3	3	3	3	3	3	3	3	2	3	3	3	3	3	3	3	3	3
	6	6	6	6	6	6	3	6	6	6	6	6	6	6	6	6	6	6	6	6	2	6	6	6	6	6	6	6	6	6
	2	2	2	2	2	2	9	2	3	3	3	3	3	3	3	4	4	4	4	4	4	4	4	5	5	5	5	5	5	5
ANIMAL ID	0 0 0 3 1	0 0 0 3 2	0 0 0 3 3	0 0 0 3 4	0 0 0 3 5	0 0 0 3 6	0 0 0 3 7	0 0 0 3 8	0 0 3 9	0 0 0 4 0	0 0 0 4 1	0 0 0 4 2	0 0 0 4 3	0 0 0 4 4	0 0 0 4 5	0 0 0 4 6	0 0 0 4 7	0 0 0 4 8	0 0 0 4 9	00050	0 0 0 5 1	00052	0 0 0 5 3	0 0 0 5 4	0 0 0 5 5	0 0 0 5 6	0 0 0 5 7	0 0 0 5 8	00059	0 0 0 6

**Alimentary System** 

NONE

**Cardiovascular System** 

NONE

**Endocrine System** 

NONE

**General Body System** 

NONE

**Genital System** 

NONE

**Hematopoietic System** 

NONE

**Integumentary System** 

Skin, SOA-Mass +

Musculoskeletal System

NONE

X ..Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with tumor

<sup>+ ..</sup> Tissue examined microscopically

Species/Strain: Mouse/CD-1 CRL

Test Type: INIT/PROMOT

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

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

CAS Number: INIT/PROM **Route: SKIN APPLICATION** 

Time Report Requested: 17:43:19

Date Report Requested: 10/19/2014

First Dose M/F: NA / NA

Lab: BAT

**CD-1 CRL Mouse Male MNNG 100/ACETONE** 

DAY ON TEST	<i>0 3</i>	<i>0 3</i>	<i>0 3</i>	<i>0 3</i>	03	<i>0 3</i>	0 1	<i>0 3</i>	<i>0 3</i>	<i>0 3</i>	03	03	<i>0 3</i>	03	<i>0 3</i>	03	0 2	<i>0</i> 3	<i>0 3</i>	<i>0 3</i>	03	<i>0</i> 3	<i>0 3</i>	<i>0 3</i>	<i>0 3</i>	<i>0</i> 3				
<b>e</b> :	6 2	6 2	6 2	6 2	6 2	6 2	3 9	6 2	6 3	6 3	6 3	6 3	6 3	6 3	6 3	6 4	6 4	6 4	6 4	6 4	2 4	6 4	6 4	6 5	6 5	6 5	6 5	6 5	6 5	<i>6</i> 5
ANIMAL ID	0	000	0	000	0 0 0	000	000	0	000	0	0 0	0 0 0	000	0	000	000	000	000	0	0 0 0	0 0 0	0 0 0	000	000	000	000	000	0	000	0 0 0
	3 1	3	3	3 4	3 5	3 6	3 7	3 8	3 9	4 0	4 1	4 2	4	4 4	4 5	4 6	4 7	4 8	4 9	5 0	5 1	5 2	5 3	5 4	5 5	5 6	5 7	5 8	5 9	6 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

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with tumor

<sup>+ ..</sup> Tissue examined microscopically

Species/Strain: Mouse/CD-1 CRL

Test Type: INIT/PROMOT

**Route: SKIN APPLICATION** 

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

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

**CAS Number: INIT/PROM** 

Date Report Requested: 10/19/2014 Time Report Requested: 17:43:19

First Dose M/F: NA / NA

Lab: BAT

DAY ON TEST

### **CD-1 CRL Mouse Male MNNG 100/ACETONE**

ANIMAL ID

\*TOTALS

1

8

**Alimentary System** 

NONE

Cardiovascular System

NONE

**Endocrine System** 

NONE

**General Body System** 

NONE

**Genital System** 

NONE

**Hematopoietic System** 

NONE

**Integumentary System** 

Skin 22 Skin, SOA-Mass Skin, SOA-No Mass

**Musculoskeletal System** 

NONE

**Nervous System** 

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with tumor

<sup>+ ..</sup> Tissue examined microscopically

X .. Lesion present

Species/Strain: Mouse/CD-1 CRL

**Route: SKIN APPLICATION** 

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

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

CAS Number: INIT/PROM

Date Report Requested: 10/19/2014 Time Report Requested: 17:43:19

First Dose M/F: NA / NA

Lab: BAT

DAY ON TEST

CD-1 CRL Mouse Male MNNG 100/ACETONE

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

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with tumor

<sup>+ ..</sup> Tissue examined microscopically

X ..Lesion present

Species/Strain: Mouse/CD-1 CRL

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

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

Route: SKIN APPLICATION

Test Type: INIT/PROMOT

CAS Number: INIT/PROM

Date Report Requested: 10/19/2014

Time Report Requested: 17:43:19

First Dose M/F: NA / NA

Lab: BAT

**CD-1 CRL Mouse Male MNNG 500/ACETONE** 

DAY ON TEST e :	0 3 6 2	0 3 6 2	0 3 6 2	0 3 1 4	0 3 4 1	0 3 6 2	0 0 5 8	0 3 6 3	0 3 6 3	0 1 7 6	0 3 6 3	0 3 6 3	0 1 9 5	0 3 6 3	0 2 9 4	0 3 6 4	0 3 6 4	0 3 0 2	0 2 3 8	0 2 5 9	0 2 2 4	0 3 5 7	0 3 6 4	0 3 6 5	0 3 6 5	0 3 6 5	0 3 6 5	0 1 7 5	0 2 5 7	0 3 6 5	
ANIMAL ID	0 0 0 6 1	0 0 0 6 2	0 0 0 6 3	0 0 0 6 4	0 0 0 6 5	0 0 0 6 6	0 0 0 6 7	0 0 0 6 8	0 0 0 6 9	0 0 0 7 0	0 0 0 7 1	0 0 0 7 2	0 0 0 7 3	0 0 0 7 4	0 0 0 7 5	0 0 0 7 6	0 0 0 7 7	0 0 0 7 8	0 0 0 7 9	0 0 0 0 0	0 0 0 8 1	0 0 0 8 2	0 0 0 8 3	0 0 0 8 4	00085	0 0 0 8 6	0 0 0 8 7	0 0 8 8	00089	0 0 0 9	

**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

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with tumor

<sup>+ ..</sup> Tissue examined microscopically

Species/Strain: Mouse/CD-1 CRL

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

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

Test Type: INIT/PROMOT Route: SKIN APPLICATION

CAS Number: INIT/PROM

Date Report Requested: 10/19/2014 Time Report Requested: 17:43:20

First Dose M/F: NA / NA

Lab: BAT

CD-1 CRL Mouse Male MNNG 500/ACETONE

DAY ON TEST e	0 3 6 2	0 3 6 2	0 3 6 2	0 3 1 4	0 3 4 1	0 3 6 2	0 0 5 8	0 3 6 3	0 3 6 3	0 1 7 6	0 3 6 3	0 3 6 3	0 1 9 5	0 3 6 3	0 2 9 4	0 3 6 4	0 3 6 4	0 3 0 2	0 2 3 8	0 2 5 9	0 2 2 4	0 3 5 7	0 3 6 4	0 3 6 5	0 3 6 5	0 3 6 5	0 3 6 5	0 1 7 5	0 2 5 7	0 3 6 5
ANIMAL ID	0 0 0 6 1	00062	00063	0 0 0 6 4	0 0 0 6 5	0 0 0 6 6	0 0 0 6 7	0 0 0 6 8	00069	0 0 0 7 0	0 0 0 7	0 0 0 7 2	0 0 0 7 3	0 0 0 7	0 0 0 7 5	0 0 0 7	0 0 0 7 7	0 0 0 7 8	0 0 0 7	00080	0 0 0 8 1	0 0 0 8 2	0 0 0 8 3	0 0 0 8 4	0 0 0 8 5	00086	0 0 0 8 7	0 0 0 8 8	00089	0 0 0 9 0

**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

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with tumor

<sup>+ ..</sup> Tissue examined microscopically

Species/Strain: Mouse/CD-1 CRL

Test Type: INIT/PROMOT

**Route: SKIN APPLICATION** 

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

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

CAS Number: INIT/PROM

Date Report Requested: 10/19/2014 Time Report Requested: 17:43:20

First Dose M/F: NA / NA

Lab: BAT

DAY ON TEST

# CD-1 CRL Mouse Male 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	15
Skin, SOA-Mass	4
Squamous Cell Carcinoma	1
Subcut Tiss, Sarcoma	2
Skin, SOA-No Mass	18

**Musculoskeletal System** 

NONE

M ..Missing tissue

A .. Autolysis precludes evaluation

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with tumor

<sup>+ ..</sup> Tissue examined microscopically

X .. Lesion present

I ..Insufficient tissue

Species/Strain: Mouse/CD-1 CRL

**Route: SKIN APPLICATION** 

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

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

CAS Number: INIT/PROM

Date Report Requested: 10/19/2014 Time Report Requested: 17:43:20

First Dose M/F: NA / NA

Lab: BAT

DAY ON TEST

CD-1 CRL Mouse Male MNNG 500/ACETONE

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

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with tumor

<sup>+ ..</sup> Tissue examined microscopically

X .. Lesion present

Species/Strain: Mouse/CD-1 CRL

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

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

Test Type: INIT/PROMOT Route: SKIN APPLICATION

CAS Number: INIT/PROM

First Dose M/F: NA / NA

Lab: BAT

Date Report Requested: 10/19/2014

Time Report Requested: 17:43:20

CD-1 CRL 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	1	2	1	2	1	3	1	3	3	2	2	2	2	1	3	3	2	3	1	3	3	3	2	2	1	1	1	2	3
e	6	7	9	7	9	8	6	9	6	6	3	9	0	3	7	6	3	8	0	7	6	6	6	1	7	8	7	1	1	6
	2	5	2	5	2	9	2	5	3	3	0	9	7	6	5	4	5	0	6	9	4	4	5	5	1	7	5	3	4	5
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ANIIVIAL ID	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	9	9	9	9	9	9	9	9	9	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	2
	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0

**Alimentary System** 

NONE

Cardiovascular System

NONE

**Endocrine System** 

NONE

**General Body System** 

NONE

**Genital System** 

NONE

**Hematopoietic System** 

NONE

**Integumentary System** 

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

X .. Lesion present

I .. Insufficient tissue

A .. Autolysis precludes evaluation

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with tumor

<sup>+ ..</sup> Tissue examined microscopically

M ..Missing tissue

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

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

Route: SKIN APPLICATION
Species/Strain: Mouse/CD-1 CRL

Test Type: INIT/PROMOT

**CAS Number:** INIT/PROM

Date Report Requested: 10/19/2014

Time Report Requested: 17:43:20

First Dose M/F: NA / NA

Lab: BAT

CD-1 CRL Mouse Male MNNG1000/ACETONE

DAY ON TEST e =	0 3 6 2	0 1 7 5	0 2 9 2	0 1 7 5	0 2 9 2	0 1 8 9	0 3 6 2	0 1 9 5	0 3 6 3	0 3 6 3	0 2 3 0	0 2 9	0 2 0 7	0 2 3 6	0 1 7 5	0 3 6 4	0 3 3 5	0 2 8 0	0 3 0 6	0 1 7 9	0 3 6 4	0 3 6 4	0 3 6 5	0 2 1 5	0 2 7 1	0 1 8 7	0 1 7 5	0 1 1 3	0 2 1 4	0 3 6 5
ANIMAL ID	0 0 0 9	0 0 0 9	0 0 0 9	0 0 0 9	0 0 0 0 9	0 0 0 9	0 0 0 9	0000	0000	0 0 1 0	0 0 1 0	0 0 1 0	0 0 1 0	0 0 1 0	0 0 1 0	0 0 1 0	0 0 1 0	0 0 1 0	0 0 1 0	0 0 1 1	0 0 1 1	0 0 1 1	0 0 1 1	0 0 1 1	0 0 1 1	0 0 1 1	0 0 1 1	0 0 1 1	0 0 1 1	0 0 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

Χ

Squamous Cell Carcinoma, Multiple Squamous Cell Papilloma

Χ

Χ

X

 $X \quad X \quad X$ 

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

X ..Lesion present

I .. Insufficient tissue

A .. Autolysis precludes evaluation

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with tumor

<sup>+ ..</sup> Tissue examined microscopically

M ..Missing tissue

Species/Strain: Mouse/CD-1 CRL

Test Type: INIT/PROMOT

**Route: SKIN APPLICATION** 

### P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

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

CAS Number: INIT/PROM

Date Report Requested: 10/19/2014 Time Report Requested: 17:43:20

First Dose M/F: NA / NA

Lab: BAT

DAY ON TEST

# CD-1 CRL 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	14
Squamous Cell Carcinoma	1
Subcut Tiss, Sarcoma	1
Skin, Control	2
Skin, SOA-Mass	13
Squamous Cell Carcinoma	3
Squamous Cell Carcinoma, Multiple	1

X ..Lesion present

I .. Insufficient tissue

M ..Missing tissue

A .. Autolysis precludes evaluation

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with tumor

<sup>+ ..</sup> Tissue examined microscopically

Species/Strain: Mouse/CD-1 CRL

**Route: SKIN APPLICATION** 

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

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

CAS Number: INIT/PROM

Date Report Requested: 10/19/2014 Time Report Requested: 17:43:20

First Dose M/F: NA / NA

Lab: BAT

DAY ON TEST

# CD-1 CRL Mouse Male MNNG1000/ACETONE

ANIMAL ID

2
7
23

**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

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

<sup>+ ..</sup> Tissue examined microscopically

Species/Strain: Mouse/CD-1 CRL

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

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

Test Type: INIT/PROMOT Route: SKIN APPLICATION

CAS Number: INIT/PROM

Date Report Requested: 10/19/2014
Time Report Requested: 17:43:20

First Dose M/F: NA / NA

Lab: BAT

CD-1 CRL 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
е	9	2	<i>3 6</i>	6	6	5	6	5	<i>3 6</i>	0	6	6	<i>3 6</i>	<i>3</i>	6	9	6	9	6	6	<i>3 6</i>	6	<i>3 6</i>	6	7	3	<i>3 6</i>	6	<i>3 6</i>	9
	5	0	2	3	2	7	2	7	3	5	3	3	3	4	6	5	4	5	4	4	5	6	5	5	5	1	5	5	5	5
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ANIMALID	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	2	2	2	2	2	2	2	2	2	3	3	3	3	3	3	3	3	3	3	4	4	4	4	4	4	4	4	4	4	5
	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0

**Alimentary System** 

NONE

Cardiovascular System

NONE

**Endocrine System** 

NONE

**General Body System** 

NONE

**Genital System** 

NONE

**Hematopoietic System** 

NONE

**Integumentary System** 

Skin	+		+	+ +	+	+ + +	+
Squamous Cell Carcinoma				X			
Skin, Control	+	+ +	+ +	+	+ +	+ +	+ +
Skin, SOA-Mass		+	+	+	+	+	
Squamous Cell Papilloma		X		Χ	X		
Squamous Cell Papilloma, Multiple						Χ	

X .. Lesion present

I .. Insufficient tissue

M ..Missing tissue

A .. Autolysis precludes evaluation

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with tumor

<sup>+ ..</sup> Tissue examined microscopically

Species/Strain: Mouse/CD-1 CRL

Test Type: INIT/PROMOT

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

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

**Route: SKIN APPLICATION** 

Time Report Requested: 17:43:20

First Dose M/F: NA / NA

Date Report Requested: 10/19/2014

Lab: BAT

**CD-1 CRL Mouse Male TPA 5 COMPLETE** 

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

X ..Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with tumor

<sup>+ ..</sup> Tissue examined microscopically

Species/Strain: Mouse/CD-1 CRL

Test Type: INIT/PROMOT

**Route: SKIN APPLICATION** 

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

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

CAS Number: INIT/PROM

Date Report Requested: 10/19/2014 Time Report Requested: 17:43:20

First Dose M/F: NA / NA

Lab: BAT

DAY ON TEST

# CD-1 CRL Mouse Male TPA 5 COMPLETE

ANIMAL ID

\*TOTALS

**Alimentary System** 

NONE

**Cardiovascular System** 

NONE

**Endocrine System** 

NONE

**General Body System** 

NONE

**Genital System** 

NONE

**Hematopoietic System** 

NONE

### **Integumentary System**

Skin	9
Squamous Cell Carcinoma	1
Skin, Control	12
Skin, SOA-Mass	5
Squamous Cell Papilloma	3
Squamous Cell Papilloma, Multiple	1
Skin, SOA-No Mass	30

X .. Lesion present

I ..Insufficient tissue

M ..Missing tissue

A .. Autolysis precludes evaluation

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with tumor

<sup>+ ..</sup> Tissue examined microscopically

Species/Strain: Mouse/CD-1 CRL

**Route: SKIN APPLICATION** 

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

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

CAS Number: INIT/PROM

Date Report Requested: 10/19/2014 Time Report Requested: 17:43:20

First Dose M/F: NA / NA

Lab: BAT

DAY ON TEST

# CD-1 CRL Mouse Male TPA 5 COMPLETE

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

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with tumor

<sup>+ ..</sup> Tissue examined microscopically

Species/Strain: Mouse/CD-1 CRL

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

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

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

CAS Number: INIT/PROM

Time Report Requested: 17:43:20

Date Report Requested: 10/19/2014

First Dose M/F: NA / NA

Lab: BAT

CD-1 CRL Mouse Male 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
•	2	3	3	3	3	3	3	3	3	2	3	3	0	3	2	3	3	3	2	2	3	3	3	3	3	3	3	3	3	3
е	8	0	6	4	6	4	6	6	6	3	6	2	3	4	1	3	6	2	4	9	6	1	6	6	6	6	4	6	4	6
E	5	6	2	1	2	8	2	2	3	0	3	7	6	8	9	5	3	0	3	3	3	4	4	4	4	5	8	5	8	5
	0	0	0	0	0	0	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
	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	+			+	+					+			+				+		+					+				
Squamous Cell Carcinoma, Metastatic, Skin																			Χ									
Skin, Control	+	+						+	+			+	+	+	+	+			+	+	+	+		+	+	+		
Skin, SOA-Mass		+	+	+		+	+	+	+		+		+	+	+	+	+	+	+		+	+	+		+	+	+	
Squamous Cell Carcinoma				Χ		Χ			Χ					Χ	Χ				Χ			Χ			Χ	Χ		
Squamous Cell Carcinoma, Multiple			Χ				Χ						Χ			Χ							Χ					

X .. Lesion present

I .. Insufficient tissue

A .. Autolysis precludes evaluation

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with tumor

<sup>+ ..</sup> Tissue examined microscopically

M ..Missing tissue

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

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

**Route: SKIN APPLICATION** Species/Strain: Mouse/CD-1 CRL **CAS Number: INIT/PROM** 

Date Report Requested: 10/19/2014 Time Report Requested: 17:43:21

First Dose M/F: NA / NA

Lab: BAT

Χ

**CD-1 CRL Mouse Male 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
	2	3	3	3	3	3	3	3	3	2	3	3	0	3	2	3	3	3	2	2	3	3	3	3	3	3	3	3	3	3
e	8	0	6	4	6	4	6	6	6	3	6	2	3	4	1	3	6	2	4	9	6	1	6	6	6	6	4	6	4	6
E	5	6	2	1	2	8	2	2	3	0	3	7	6	8	9	5	3	0	3	3	3	4	4	4	4	5	8	5	8	5
	0	0	0	0	0	0	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
	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
			Χ					Χ								Χ		Χ						Χ					Χ	

Subcut Tiss, Sarcoma Skin, SOA-No Mass

Subcut Tiss, Fibroma

Squamous Cell Papilloma

Musculoskeletal System

NONE

**Nervous System** 

NONE

**Respiratory System** 

NONE

**Special Senses System** 

NONE

**Urinary System** 

NONE

SYSTEMIC LESIONS

Multiple Organ Χ

Lymphoma Malignant Lymphocytic

\* ..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/CD-1 CRL

**Route: SKIN APPLICATION** 

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

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

CAS Number: INIT/PROM

Date Report Requested: 10/19/2014 Time Report Requested: 17:43:21

First Dose M/F: NA / NA

Lab: BAT

DAY ON TEST

# CD-1 CRL Mouse Male 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	8
Squamous Cell Carcinoma, Metastatic, Skin	1
Skin, Control	16
Skin, SOA-Mass	21
Squamous Cell Carcinoma	9
Squamous Cell Carcinoma, Multiple	5
Squamous Cell Papilloma	6

X .. Lesion present

I .. Insufficient tissue

M ..Missing tissue

A .. Autolysis precludes evaluation

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with tumor

<sup>+ ..</sup> Tissue examined microscopically

Species/Strain: Mouse/CD-1 CRL

Test Type: INIT/PROMOT

**Route: SKIN APPLICATION** 

### P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

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

CAS Number: INIT/PROM

Date Report Requested: 10/19/2014 Time Report Requested: 17:43:21

First Dose M/F: NA / NA

Lab: BAT

DAY ON TEST

# CD-1 CRL Mouse Male MNNG100/COMPLETE

ANIMAL ID

*101ALS
6
29
1

Musculoskeletal System

NONE

**Nervous System** 

NONE

**Respiratory System** 

NONE

**Special Senses System** 

NONE

**Urinary System** 

NONE

SYSTEMIC LESIONS

Multiple Organ 30
Lymphoma Malignant Lymphocytic 1

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A .. Autolysis precludes evaluation

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

<sup>+ ..</sup> Tissue examined microscopically

Species/Strain: Mouse/CD-1 CRL

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

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

Test Type: INIT/PROMOT Route: SKIN APPLICATION

CAS Number: INIT/PROM

Date Report Requested: 10/19/2014 Time Report Requested: 17:43:21

First Dose M/F: NA / NA

Lab: BAT

CD-1 CRL Mouse Male BPO 20 COMPLETE

DAY ON TEST	_	_	_	_	_	_	_	_	_		_	_	_	_	_	_		_	_	_	_	_	_	_	_	_	_	_	_	_
DAY ON TEST	0	0	0	U	0	0	U	U	U	o	0	0	O	0	0	0	0	0	U	0	U	0	U	0	U	U	0	0	U	0
•	3	2	3	3	2	2	3	3	3	3	3	2	3	3	3	2	3	3	3	3	3	3	3	3	2	3	3	3	3	3
е	1	5	6	3	8	5	6	6	3	6	6	7	6	6	6	1	6	6	6	4	6	6	6	6	3	6	6	6	6	6
	3	8	2	5	5	6	2	2	4	2	2	2	3	3	3	5	3	3	4	8	4	4	4	4	1	5	5	5	5	5
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AMINAL ID	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2
	8	8	8	8	8	8	8	8	8	9	9	9	9	9	9	9	9	9	9	0	0	0	0	0	0	0	0	0	0	1
	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0

### **Alimentary System**

NONE

Cardiovascular System

NONE

**Endocrine System** 

NONE

**General Body System** 

NONE

**Genital System** 

NONE

**Hematopoietic System** 

NONE

**Integumentary System** 

Musculoskeletal System

X .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with tumor

<sup>+ ..</sup> Tissue examined microscopically

Species/Strain: Mouse/CD-1 CRL

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

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

Test Type: INIT/PROMOT Route: SKIN APPLICATION

CAS Number: INIT/PROM

Date Report Requested: 10/19/2014 Time Report Requested: 17:43:21

First Dose M/F: NA / NA

Lab: BAT

CD-1 CRL Mouse Male BPO 20 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	2	3	3	2	2	3	3	3	3	3	2	3	3	3	2	3	3	3	3	3	3	3	3	2	3	3	3	3	3
e	1	5	6	3	8	5	6	6	3	6	6	7	6	6	6	1	6	6	6	4	6	6	6	6	3	6	6	6	6	6
	3	8	2	5	5	6	2	2	4	2	2	2	3	3	3	5	3	3	4	8	4	4	4	4	1	5	5	5	5	5
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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	2	2	2	2	2	2	2	2	2	2	2
	8	8	8	8	8	8	8	8	8	9	9	9	9	9	9	9	9	9	9	0	0	0	0	0	0	0	0	0	0	1
	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0

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

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with tumor

<sup>+ ..</sup> Tissue examined microscopically

Species/Strain: Mouse/CD-1 CRL

Test Type: INIT/PROMOT

**Route: SKIN APPLICATION** 

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

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

CAS Number: INIT/PROM

Date Report Requested: 10/19/2014 Time Report Requested: 17:43:21

First Dose M/F: NA / NA

Lab: BAT

DAY ON TEST

# CD-1 CRL Mouse Male BPO 20 COMPLETE

ANIMAL ID

\*TOTALS

**Alimentary System** 

NONE

**Cardiovascular System** 

NONE

**Endocrine System** 

NONE

**General Body System** 

NONE

**Genital System** 

NONE

**Hematopoietic System** 

NONE

**Integumentary System** 

Skin	13
Skin, Control	8
Skin, SOA-Mass	1
Skin, SOA-No Mass	25

**Musculoskeletal System** 

NONE

M ..Missing tissue

A .. Autolysis precludes evaluation

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with tumor

<sup>+ ..</sup> Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

Species/Strain: Mouse/CD-1 CRL

**Route: SKIN APPLICATION** 

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

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

CAS Number: INIT/PROM

Date Report Requested: 10/19/2014
Time Report Requested: 17:43:21

First Dose M/F: NA / NA

Lab: BAT

DAY ON TEST

CD-1 CRL Mouse Male BPO 20 COMPLETE

ANIMAL ID

\*TOTALS

**Nervous System** 

NONE

**Respiratory System** 

NONE

**Special Senses System** 

NONE

**Urinary System** 

NONE

**SYSTEMIC LESIONS** 

Multiple Organ 30

I ..Insufficient tissue

M ..Missing tissue

A .. Autolysis precludes evaluation

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with tumor

<sup>+ ..</sup> Tissue examined microscopically

X .. Lesion present

Species/Strain: Mouse/CD-1 CRL

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

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

Test Type: INIT/PROMOT Route: SKIN APPLICATION

CAS Number: INIT/PROM

Date Report Requested: 10/19/2014 Time Report Requested: 17:43:21

First Dose M/F: NA / NA

Lab: BAT

CD-1 CRL Mouse Male MNNG 100/BPO 20

DAY ON TEST	0 3 6 2	0 3 6 2	0 3 6 2	0 3 6 2	0 3 6 2	0 3 6 2	0 3 6 3	0 3 6 3	0 3 6 3	0 2 2 0	0 3 6 3	0 3 6 3	0 3 6 3	0 3 6 4	0 3 6 4	0 3 6 4	0 3 2 0	0 3 6 4	0 2 7 2	0 3 6 4	0 3 6 4	0 3 1 3	0 3 6 4	0 3 6 5	0 3 6 5	0 3 6 5	0 3 6 5	0 3 6 5	0 3 6 5	0 3 6 5	
ANIMAL ID	0 0 2 1 1	0 0 2 1 2	0 0 2 1 3	0 0 2 1 4	0 0 2 1 5	0 0 2 1 6	0 0 2 1 7	0 0 2 1 8	0 0 2 1 9	0 0 2 2 0	0 0 2 2 1	0 0 2 2 2	0 0 2 2 3	0 0 2 2 4	0 0 2 2 5	0 0 2 2 6	0 0 2 2 7	0 0 2 2 8	0 0 2 2 9	0 0 2 3 0	0 0 2 3 1	0 0 2 3 2	0 0 2 3 3	0 0 2 3 4	00235	0 0 2 3 6	0 0 2 3 7	0 0 2 3 8	0 0 2 3 9	0 0 2 4 0	

**Alimentary System** 

NONE

Cardiovascular System

NONE

**Endocrine System** 

NONE

**General Body System** 

NONE

**Genital System** 

NONE

**Hematopoietic System** 

NONE

**Integumentary System** 

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Squamous Cell Papilloma

X ..Lesion present

I .. Insufficient tissue

M ..Missing tissue

A .. Autolysis precludes evaluation

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with tumor

<sup>+ ..</sup> Tissue examined microscopically

Species/Strain: Mouse/CD-1 CRL

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

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

Test Type: INIT/PROMOT Route: SKIN APPLICATION

CAS Number: INIT/PROM

Time Report Requested: 17:43:21

Date Report Requested: 10/19/2014

First Dose M/F: NA / NA

Lab: BAT

CD-1 CRL Mouse Male MNNG 100/BPO 20

DAY ON TEST		,   9	$\frac{\theta}{2}$	0	0	0	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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ANIMAL ID 0 0 2 1	0 (0) (2) 2	) (	0 0 2 1	0 0 2 1	0 0 2 1	0 0 2 1 6	0 0 2 1	0 0 2 1 8	0 0 2 1	0 0 2 2	0 0 2 2	0 0 2 2	0 0 2 2	0 0 2 2	0 0 2 2	0 0 2 2	0 0 2 2 2	0 0 2 2 2 8	0 0 2 2 9	0 0 2 3	0 0 2 3	0 0 2 3	0 0 2 3	0 0 2 3	0 0 2 3	0 0 2 3 6	0 0 2 3	0 0 2 3 8	0 0 2 3 9	0 0 2 4

**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

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with tumor

<sup>+ ..</sup> Tissue examined microscopically

Species/Strain: Mouse/CD-1 CRL

Test Type: INIT/PROMOT

**Route: SKIN APPLICATION** 

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

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

CAS Number: INIT/PROM

Date Report Requested: 10/19/2014 Time Report Requested: 17:43:21

First Dose M/F: NA / NA

Lab: BAT

DAY ON TEST

# CD-1 CRL 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	10
Skin, Control	4
Skin, SOA-Mass	1
Squamous Cell Papilloma	1
Skin, SOA-No Mass	23

### **Musculoskeletal System**

NONE

M ..Missing tissue

A .. Autolysis precludes evaluation

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with tumor

<sup>+ ..</sup> Tissue examined microscopically

X .. Lesion present

I ..Insufficient tissue

Species/Strain: Mouse/CD-1 CRL

**Route: SKIN APPLICATION** 

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

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

CAS Number: INIT/PROM

Date Report Requested: 10/19/2014 Time Report Requested: 17:43:21

First Dose M/F: NA / NA

Lab: BAT

DAY ON TEST

# CD-1 CRL Mouse Male MNNG 100/BPO 20

ANIMAL ID

\*TOTALS

**Nervous System** 

NONE

**Respiratory System** 

NONE

**Special Senses System** 

NONE

**Urinary System** 

NONE

**SYSTEMIC LESIONS** 

Multiple Organ 30

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

+ .. Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A .. Autolysis precludes evaluation

Species/Strain: Mouse/CD-1 CRL

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

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

Test Type: INIT/PROMOT Route: SKIN APPLICATION

CAS Number: INIT/PROM

Date Report Requested: 10/19/2014
Time Report Requested: 17:43:21

First Dose M/F: NA / NA

Lab: BAT

CD-1 CRL Mouse Male MNNG 500/BPO 20

DAY ON TEST	0 3 6 2	0 2 1 5	0 2 8 4	0 3 6 2	0 3 6 2	0 0 4 6	0 3 6 2	0 3 6 2	0 1 7 5	0 3 6 3	0 3 6 3	0 3 6 3	0 3 6 3	0 3 6 3	0 1 7 3	0 3 3 4	0 3 6 4	0 2 4 6	0 3 6 4	0 3 4 1	0 3 6 4	0 3 0 6	0 3 1 3	0 3 6 4	0 0 8 7	0 3 6 4	0 3 6 5	0 3 3 5	0 3 6 5	0 3 6 5	
ANIMAL ID	0 0 2 4 1	0 0 2 4 2	0 0 2 4 3	0 0 2 4 4	0 0 2 4 5	0 0 2 4 6	0 0 2 4 7	0 0 2 4 8	0 0 2 4 9	0 0 2 5 0	0 0 2 5 1	0 0 2 5 2	00253	0 0 2 5 4	0 0 2 5 5	0 0 2 5 6	0 0 2 5 7	0 0 2 5 8	0 0 2 5 9	0 0 2 6 0	0 0 2 6 1	0 0 2 6 2	0 0 2 6 3	0 0 2 6 4	00265	0 0 2 6 6	0 0 2 6 7	0 0 2 6 8	00269	0 0 2 7 0	

### **Alimentary System**

NONE

Cardiovascular System

NONE

**Endocrine System** 

NONE

**General Body System** 

NONE

**Genital System** 

NONE

**Hematopoietic System** 

NONE

**Integumentary System** 

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X .. Lesion present

A .. Autolysis precludes evaluation

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with tumor

<sup>+ ..</sup> Tissue examined microscopically

I .. Insufficient tissue

M .. Missing tissue

Species/Strain: Mouse/CD-1 CRL

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

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

Test Type: INIT/PROMOT Route: SKIN APPLICATION

CAS Number: INIT/PROM

Date Report Requested: 10/19/2014
Time Report Requested: 17:43:22

First Dose M/F: NA / NA

Lab: BAT

CD-1 CRL 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
e	<i>5</i>	2	2	5	6	0	5	6	7	6	6	6	5	6	7	3	5	1	5	3	5	3	3	5	v g	5	6	3	6	6
	2	5	4	2	2	6	2	2	5	3	3	3	3	3	3	4	4	6	4	1	<i>6 4</i>	6	3	<i>6 4</i>	7	0 4	5	5	5	5
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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

**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

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with tumor

<sup>+ ..</sup> Tissue examined microscopically

Species/Strain: Mouse/CD-1 CRL

Test Type: INIT/PROMOT

**Route: SKIN APPLICATION** 

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

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

CAS Number: INIT/PROM

Date Report Requested: 10/19/2014 Time Report Requested: 17:43:22

First Dose M/F: NA / NA

Lab: BAT

DAY ON TEST

# CD-1 CRL 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	7
Skin, Control	2
Skin, SOA-Mass	5
Squamous Cell Papilloma	1
Subcut Tiss, Sarcoma	4
Skin, SOA-No Mass	27

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

+ .. Tissue examined microscopically

Musculoskeletal System

X .. Lesion present

I .. Insufficient tissue

M ..Missing tissue

A .. Autolysis precludes evaluation

Species/Strain: Mouse/CD-1 CRL

**Route: SKIN APPLICATION** 

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

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

CAS Number: INIT/PROM

Date Report Requested: 10/19/2014 Time Report Requested: 17:43:22

First Dose M/F: NA / NA

Lab: BAT

DAY ON TEST

## CD-1 CRL Mouse Male MNNG 500/BPO 20

ANIMAL ID

\*TOTALS

30

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

Species/Strain: Mouse/CD-1 CRL

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

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: 10/19/2014

Time Report Requested: 17:43:22

First Dose M/F: NA / NA

Lab: BAT

CD-1 CRL Mouse Male MNNG1000/BPO 20

DAY ON TEST	0 1 7 5	0 3 6 2	0 3 0 6	0 2 9 6	0 3 2 7	0 3 4 8	0 1 9 7	0 3 0 0	0 3 5 7	0 1 9 7	0 3 6 3	0 2 5 8	0 2 2 4	0 2 3 8	0 2 2 9	0 2 0 0	0 3 6 3	0 3 6 4	0 3 6 4	0 2 1 9	0 1 2 6	0 2 4 6	0 2 7 7	0 2 9 9	0 2 8 5	0 3 6 5	0 1 9 5	0 1 7 4	0 3 6 5	0 3 6 5	
ANIMAL ID	0 0 2 7 1	0 0 2 7 2	0 0 2 7 3	0 0 2 7 4	0 0 2 7 5	0 0 2 7 6	0 0 2 7 7	0 0 2 7 8	0 0 2 7 9	0 0 2 8 0	0 0 2 8 1	0 0 2 8 2	0 0 2 8 3	0 0 2 8 4	0 0 2 8 5	0 0 2 8 6	0 0 2 8 7	0 0 2 8 8	0 0 2 8 9	0 0 2 9 0	0 0 2 9 1	0 0 2 9 2	0 0 2 9 3	0 0 2 9 4	0 0 2 9 5	0 0 2 9 6	0 0 2 9 7	0 0 2 9 8	00299	0 0 3 0 0	

**Alimentary System** 

NONE

**Cardiovascular System** 

NONE

**Endocrine System** 

NONE

**General Body System** 

NONE

**Genital System** 

NONE

**Hematopoietic System** 

NONE

**Integumentary System** 

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X .. Lesion present

M .. Missing tissue

A .. Autolysis precludes evaluation

<sup>\* ..</sup> Total animals with tissue examined microscopically; Total animals with tumor

<sup>+ ..</sup> Tissue examined microscopically

I ..Insufficient tissue

Species/Strain: Mouse/CD-1 CRL

Test Type: INIT/PROMOT

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

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

Route: SKIN APPLICATION

CAS Number: INIT/PROM

First Dose M/F: NA / NA

Date Report Requested: 10/19/2014

Time Report Requested: 17:43:22

Lab: BAT

CD-1 CRL Mouse Male MNNG1000/BPO 20

DAY ON TEST <b>e</b>	0 1 7	0 3 6	0 3 0	<i>0</i> 2 9	0 3 2	0 3 4	0 1 9	0 3 0	0 3 5	0 1 9	0 3 6	0 2 5	0 2 2	0 2 3	0 2 2	0 2 0	0 3 6	0 3 6	0 3 6	0 2 1	0 1 2	0 2 4	0 2 7	<i>0</i> 2 <i>9</i>	0 2 8	0 3 6	0 1 9	0 1 7	0 3 6	0 3 6
ANIMAL ID	<i>5</i>	0	<b>6</b>	<b>6</b>	<i>7</i>	8	<i>7</i>	0	<i>7</i>	<i>7</i>	<i>3</i>	0	<b>4</b>	0	0	0	0	<b>4</b>	<b>4</b>	0	0	0	<i>7</i>	0	5 0	<i>5</i>	<u>5</u>	<b>4</b>	5 0	<u>5</u>
ANIMAL ID	0 2 7	0 2 7	0 2 7	0 2 7	0 2	0 2	0 2 7	0 2 7	0 2 7	0	0 2 8	0 2 8	0	0	0	0 2 8	0 2 8	0 2 8	0 2 8	0	0 2	0	0 2 9	0 2	0 2 9	0 2 9	0 2 9	0 2	0 2	3
	1	2	3	4	5	6	7	8	9	0	1	2	8 3	8 4	8 5	6	7	8	9	9	9	2	3	9 4	5	6	7	8	9	0

Subcut Tiss, Sarcoma Skin, SOA-No Mass

**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

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with tumor

<sup>+ ..</sup> Tissue examined microscopically

X ..Lesion present

Species/Strain: Mouse/CD-1 CRL

Test Type: INIT/PROMOT

**Route: SKIN APPLICATION** 

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

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

CAS Number: INIT/PROM

Date Report Requested: 10/19/2014 Time Report Requested: 17:43:22

First Dose M/F: NA / NA

Lab: BAT

DAY ON TEST

## CD-1 CRL 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	14
Skin, Control	11
Skin, SOA-Mass	16
Squamous Cell Carcinoma	4
Squamous Cell Papilloma	3
Subcut Tiss, Hemangioma	1
Subcut Tiss, Sarcoma	9

X ..Lesion present

I .. Insufficient tissue

M ..Missing tissue

A .. Autolysis precludes evaluation

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with tumor

<sup>+ ..</sup> Tissue examined microscopically

Species/Strain: Mouse/CD-1 CRL

**Route: SKIN APPLICATION** 

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

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

CAS Number: INIT/PROM

Date Report Requested: 10/19/2014 Time Report Requested: 17:43:22

First Dose M/F: NA / NA

Lab: BAT

DAY ON TEST

## CD-1 CRL Mouse Male MNNG1000/BPO 20

ANIMAL ID

\*TOTALS

Skin, SOA-No Mass

28

**Musculoskeletal System** 

NONE

**Nervous System** 

NONE

**Respiratory System** 

NONE

**Special Senses System** 

NONE

**Urinary System** 

NONE

**SYSTEMIC LESIONS** 

Multiple Organ

30

X .. Lesion present

I ..Insufficient tissue

M ..Missing tissue

A .. Autolysis precludes evaluation

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with tumor

<sup>+ ..</sup> Tissue examined microscopically

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

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

Test Type: INIT/PROMOT Route: SKIN APPLICATION

CAS Number: INIT/PROM

Date Report Requested: 10/19/2014 Time Report Requested: 17:43:22

First Dose M/F: NA / NA

Lab: BAT

CD-1 CRL Mouse Male MNNG 100/TPA 5

Species/Strain: Mouse/CD-1 CRL

DAY ON TEST	<i>0</i> 2 8	0 3 3	0 3 6	0 3 2	0 0 8	0 2 3	0 3 1	0 2 9	0 2 5	0 1 7	0 3 6	0 2 3	0 2 9	0 3 6	0 2 7	0 3 1	0 3 4	0 3 6	0 3 6	0 3 6	0 3 3	0 3 6	0 2 5	0 3 6	0 2 7	0 3 6	0 2 9	0 2 3	0 1 8	0 3 6
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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
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	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				+	+		+			+			+				+	+	+					+			+
Squamous Cell Carcinoma, Multiple										Χ																	
Squamous Cell Papilloma					Χ		Χ										Χ							Χ			
Squamous Cell Papilloma, Multiple				Χ									Х					Χ	Χ								Χ

X .. Lesion present

I .. Insufficient tissue

A .. Autolysis precludes evaluation

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with tumor

<sup>+ ..</sup> Tissue examined microscopically

M ..Missing tissue

Species/Strain: Mouse/CD-1 CRL

Test Type: INIT/PROMOT

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

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

Route: SKIN APPLICATION

CAS Number: INIT/PROM

Date Report Requested: 10/19/2014

Time Report Requested: 17:43:22

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

CD-1 CRL 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
	2	3	3	3	0	2	3	2	2	1	3	2	2	3	2	3	3	3	3	3	3	3	2	3	2	3	2	2	1	3
	8	3	6	2	8	3	1	9	5	7	6	3	9	6	7	1	4	6	6	6	3	6	5	6	7	6	9	3	8	6
	4	6	2	5	5	5	3	5	9	6	2	0	6	2	2	3	8	3	3	3	5	4	9	4	1	5	9	0	1	5
ANIMAL ID	0 0 3 0 1	0 0 3 0 2	00303	0 0 3 0 4	00305	0 0 3 0 6	0 0 3 0 7	00308	0 0 3 0 9	0 0 3 1 0	0 0 3 1 1	0 0 3 1 2	0 0 3 1 3	0 0 3 1 4	00315	0 0 3 1 6	0 0 3 1 7	0 0 3 1 8	0 0 3 1 9	0 0 3 2 0	0 0 3 2 1	0 0 3 2 2	0 0 3 2 3	0 0 3 2 4	0 0 3 2 5	0 0 3 2 6	0 0 3 2 7	00328	0 0 3 2 9	0 0 3 3 0

Subcut Tiss, Sarcoma

Skin, SOA-No Mass

**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

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with tumor

<sup>+ ..</sup> Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

Species/Strain: Mouse/CD-1 CRL

Test Type: INIT/PROMOT

**Route: SKIN APPLICATION** 

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

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

CAS Number: INIT/PROM

Date Report Requested: 10/19/2014 Time Report Requested: 17:43:22

First Dose M/F: NA / NA

Lab: BAT

DAY ON TEST

## CD-1 CRL 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	14
Skin, Control	21
Skin, SOA-Mass	10
Squamous Cell Carcinoma, Multiple	1
Squamous Cell Papilloma	4
Squamous Cell Papilloma, Multiple	5
Subcut Tiss, Sarcoma	1

I ..Insufficient tissue

M ..Missing tissue

A .. Autolysis precludes evaluation

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

<sup>+ ..</sup> Tissue examined microscopically

X ..Lesion present

Species/Strain: Mouse/CD-1 CRL

**Route: SKIN APPLICATION** 

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

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

CAS Number: INIT/PROM

Date Report Requested: 10/19/2014 Time Report Requested: 17:43:22

First Dose M/F: NA / NA

Lab: BAT

DAY ON TEST

## CD-1 CRL Mouse Male MNNG 100/TPA 5

ANIMAL ID

\*TOTALS

Skin, SOA-No Mass

30

**Musculoskeletal System** 

NONE

**Nervous System** 

NONE

**Respiratory System** 

NONE

**Special Senses System** 

NONE

**Urinary System** 

NONE

**SYSTEMIC LESIONS** 

Multiple Organ

30

X .. Lesion present

I .. Insufficient tissue

M ..Missing tissue

A .. Autolysis precludes evaluation

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with tumor

<sup>+ ..</sup> Tissue examined microscopically

Species/Strain: Mouse/CD-1 CRL

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

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

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

CAS Number: INIT/PROM

Time Report Requested: 17:43:22

Date Report Requested: 10/19/2014

First Dose M/F: NA / NA

Lab: BAT

**CD-1 CRL 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
е	2 4 9	2 3 6	<i>5 6 2</i>	9 5	1 7 3	2 2 4	1 7 5	9	5 6 3	2 2 7	6 4	6 8	9 7	<i>1 7</i> 5	3	9	<i>5 6 5</i>	1 7 6	2 4 3	3 1	9	2 4 6	3 0 6	2 4 3	2 8	2 9 3	1 7 5	9	3	2 7 1
ANIMAL ID	0 0 3	0 0 3	0 0 3	0 0 3	0 0 3	0 0 3	0 0 3	0 0 3	0 0 3	0 0 3	0 0 3	0 0 3	0 0 3	0 0 3	0 0 3	0 0 3	0 0 3	0 0 3	0 0 3	0 0 3	0 0 3	0 0 3	0 0 3	0 0 3	0 0 3	0 0 3	0 0 3	0 0 3	0 0 3	0 0 3
	3 1	3	3 3	3	3 5	3 6	3 7	3 8	3 9	4 0	4	4 2	3	4 4	4 5	4 6	4 7	4 8	4 9	5 0	5 1	5 2	5 3	5 4	5 5	5 6	5 7	5 8	5 9	6 0

### **Alimentary System**

NONE

Cardiovascular System

NONE

**Endocrine System** 

NONE

**General Body System** 

NONE

**Genital System** 

NONE

**Hematopoietic System** 

NONE

**Integumentary System** 

Skin		+		+	+		+			+			+	+		+				+					+	+	+	
Squamous Cell Carcinoma																Χ												
Squamous Cell Carcinoma, Metastatic, Skin					Χ																							
Skin, Control	+	+			+	+		+		+			+	+	-			+	+	+	+	+		+		+		
Skin, SOA-Mass	+		+	+	+			+	+	+	+	+		-		÷	+		+	+	+	+	+	+		+	+	
Keratoacanthoma										Χ											Χ							

X .. Lesion present

I .. Insufficient tissue

A .. Autolysis precludes evaluation

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with tumor

<sup>+ ..</sup> Tissue examined microscopically

M .. Missing tissue

Species/Strain: Mouse/CD-1 CRL

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

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

**Route: SKIN APPLICATION** 

CAS Number: INIT/PROM

Date Report Requested: 10/19/2014
Time Report Requested: 17:43:22

First Dose M/F: NA / NA

Lab: BAT

<b>CD-1 CRL Mouse Male</b>
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
	2	2	3	1	1	2	1	2	3	2	3	1	1	1	2	2	3	1	2	3	2	2	3	2	1	2	1	2	2	2
e	4	3	6	9	7	2	7	9	6	2	6	6	9	7	3	9	6	7	4	3	9	4	0	4	2	9	7	9	3	7
	9	6	2	5	3	4	5	3	3	7	4	8	7	5	6	3	5	6	3	4	9	6	6	3	8	3	5	9	1	1
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
AMINIAL 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

Keratoacanthoma, Multiple																Χ														
Squamous Cell Carcinoma					Χ			Χ														Χ				Χ				
Squamous Cell Papilloma			Χ	Χ				Χ											Χ				Χ	Χ						
Squamous Cell Papilloma, Multiple																Χ	Χ											Χ		
Subcut Tiss, Hemangiosarcoma			Χ																											
Subcut Tiss, Sarcoma	X								Χ	X		Χ	Χ			X			X		Χ		Χ	Χ						Χ
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

A .. Autolysis precludes evaluation

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

<sup>+ ..</sup> Tissue examined microscopically

M .. Missing tissue

Species/Strain: Mouse/CD-1 CRL

Test Type: INIT/PROMOT

**Route: SKIN APPLICATION** 

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

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

CAS Number: INIT/PROM

Date Report Requested: 10/19/2014 Time Report Requested: 17:43:23

First Dose M/F: NA / NA

Lab: BAT

DAY ON TEST

## CD-1 CRL 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	12
Squamous Cell Carcinoma	1
Squamous Cell Carcinoma, Metastatic, Skin	1
Skin, Control	15
Skin, SOA-Mass	20
Keratoacanthoma	2
Keratoacanthoma, Multiple	1

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A .. Autolysis precludes evaluation

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

<sup>+ ..</sup> Tissue examined microscopically

Species/Strain: Mouse/CD-1 CRL

**Route: SKIN APPLICATION** 

### P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

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

CAS Number: INIT/PROM

Date Report Requested: 10/19/2014 Time Report Requested: 17:43:23

First Dose M/F: NA / NA

Lab: BAT

DAY ON TEST

## CD-1 CRL Mouse Male MNNG1000/TPA 5

### ANIMAL ID

	*TOTALS
Squamous Cell Carcinoma	4
Squamous Cell Papilloma	6
Squamous Cell Papilloma, Multiple	3
Subcut Tiss, Hemangiosarcoma	1
Subcut Tiss, Sarcoma	11
Skin, SOA-No Mass	29

### Musculoskeletal System

NONE

**Nervous System** 

NONE

**Respiratory System** 

NONE

**Special Senses System** 

NONE

**Urinary System** 

NONE

**SYSTEMIC LESIONS** 

Multiple Organ 30

X ..Lesion present

I .. Insufficient tissue

M ..Missing tissue

A .. Autolysis precludes evaluation

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with tumor

<sup>+ ..</sup> Tissue examined microscopically

Species/Strain: Mouse/CD-1 CRL

**Route: SKIN APPLICATION** 

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

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

CAS Number: INIT/PROM

Date Report Requested: 10/19/2014 Time Report Requested: 17:43:23

First Dose M/F: NA / NA

Lab: BAT

DAY ON TEST

## CD-1 CRL Mouse Male SENTINEL MALE

ANIMAL ID

\*TOTALS

**Alimentary System** 

NONE

**Cardiovascular System** 

NONE

**Endocrine System** 

NONE

**General Body System** 

NONE

**Genital System** 

NONE

**Hematopoietic System** 

NONE

**Integumentary System** 

NONE

Musculoskeletal System

NONE

**Nervous System** 

NONE

X .. Lesion present

I .. Insufficient tissue

M ..Missing tissue

A .. Autolysis precludes evaluation

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with tumor

<sup>+ ..</sup> Tissue examined microscopically

Experiment Number: 05117-05
Test Type: INIT/PROMOT
Route: SKIN APPLICATION

Species/Strain: Mouse/CD-1 CRL

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

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

CAS Number: INIT/PROM

Date Report Requested: 10/19/2014 Time Report Requested: 17:43:23

First Dose M/F: NA / NA

Lab: BAT

DAY ON TEST

CD-1 CRL Mouse Male SENTINEL MALE

ANIMAL ID

\*TOTALS

**Respiratory System** 

NONE

**Special Senses System** 

NONE

**Urinary System** 

NONE

**SYSTEMIC LESIONS** 

Multiple Organ 0

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

X .. Lesion present

I .. Insufficient tissue

M ..Missing tissue

A .. Autolysis precludes evaluation

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with tumor

<sup>+ ..</sup> Tissue examined microscopically

Species/Strain: Mouse/CD-1 CRL

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

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

Test Type: INIT/PROMOT Route: SKIN APPLICATION

CAS Number: INIT/PROM

Time Report Requested: 17:43:23

Date Report Requested: 10/19/2014

First Dose M/F: NA / NA

Lab: BAT

DAY ON TEST **CD-1 CRL Mouse Female 2 VEHICLE CONTROL** 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 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** 

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

Species/Strain: Mouse/CD-1 CRL

Test Type: INIT/PROMOT

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

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

Route: SKIN APPLICATION

CAS Number: INIT/PROM

Date Report Requested: 10/19/2014

Time Report Requested: 17:43:23

First Dose M/F: NA / NA

Lab: BAT

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

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

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with tumor

<sup>+ ..</sup> Tissue examined microscopically

Species/Strain: Mouse/CD-1 CRL

**Route: SKIN APPLICATION** 

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

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

CAS Number: INIT/PROM

Date Report Requested: 10/19/2014 Time Report Requested: 17:43:23

First Dose M/F: NA / NA

Lab: BAT

DAY ON TEST

## CD-1 CRL Mouse Female VEHICLE CONTROL

ANIMAL ID

\*TOTALS

**Alimentary System** 

NONE

**Cardiovascular System** 

NONE

**Endocrine System** 

NONE

**General Body System** 

NONE

**Genital System** 

NONE

**Hematopoietic System** 

NONE

**Integumentary System** 

Skin 29 Skin, SOA-No Mass 2

**Musculoskeletal System** 

NONE

**Nervous System** 

NONE

X .. Lesion present

I .. Insufficient tissue

M ..Missing tissue

A .. Autolysis precludes evaluation

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with tumor

<sup>+ ..</sup> Tissue examined microscopically

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

CAS Number: INIT/PROM

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

Date Report Requested: 10/19/2014 Time Report Requested: 17:43:23

First Dose M/F: NA / NA

Lab: BAT

**Route: SKIN APPLICATION** 

Species/Strain: Mouse/CD-1 CRL

DAY ON TEST

### **CD-1 CRL Mouse Female VEHICLE CONTROL**

ANIMAL ID

\*TOTALS

**Respiratory System** 

NONE

**Special Senses System** 

NONE

**Urinary System** 

NONE

**SYSTEMIC LESIONS** 

30 Multiple Organ

X .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with tumor

<sup>+ ..</sup> Tissue examined microscopically

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

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

Route: SKIN APPLICATION
Species/Strain: Mouse/CD-1 CRL

Test Type: INIT/PROMOT

CAS Number: INIT/PROM

Date Report Requested: 10/19/2014
Time Report Requested: 17:43:23

First Dose M/F: NA / NA

Lab: BAT

DAY ON TEST	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CD-1 CRL Mouse Female	3	3	1	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
MNNG 100/ACETONE	2	2	3 4	2	2	2	2	2	3	3	3	3	3	3	3	<b>0</b> <b>4</b>	4	4	4	<b>0</b> <b>4</b>	4	4	4	5	5	5	5	5	5	5
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0 0	0	0 0	0 0	0	0	0	0	0	0 0	0	0	0	0	0	0	0	0	0	0
, <u>-</u> . <u>-</u>	3	3	3	3	3	3	3	3	3	4	0 4	4	0 4	0 4	4	4	0 4	0 4	4	0 4	4	0	4	0 4	4	4	4	0 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 9	2

**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** 

 $^{\star}\,$  .. 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

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

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

**Route: SKIN APPLICATION** Species/Strain: Mouse/CD-1 CRL CAS Number: INIT/PROM

Date Report Requested: 10/19/2014 Time Report Requested: 17:43:23

First Dose M/F: NA / NA

Lab: BAT

DAY ON TEST	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CD-1 CRL Mouse Female	3	3	1	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	5	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	2	2	4	2	2	2	2	2	3	3	3	3	3	3	3	4	4	4	4	4	4	4	4	5	5	5	5	5	5	5
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ANIIVIAL ID	0	0	0	0	0	0	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	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	, 9 l	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

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with tumor

<sup>+ ..</sup> Tissue examined microscopically

Species/Strain: Mouse/CD-1 CRL

**Route: SKIN APPLICATION** 

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

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

CAS Number: INIT/PROM

Date Report Requested: 10/19/2014 Time Report Requested: 17:43:23

First Dose M/F: NA / NA

Lab: BAT

DAY ON TEST

## CD-1 CRL 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 21 Skin, SOA-No Mass 9

**Musculoskeletal System** 

NONE

**Nervous System** 

NONE

X .. Lesion present

I .. Insufficient tissue

M ..Missing tissue

A .. Autolysis precludes evaluation

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with tumor

<sup>+ ..</sup> Tissue examined microscopically

Species/Strain: Mouse/CD-1 CRL

**Route: SKIN APPLICATION** 

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

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

CAS Number: INIT/PROM

Date Report Requested: 10/19/2014 Time Report Requested: 17:43:23

First Dose M/F: NA / NA

Lab: BAT

DAY ON TEST

## CD-1 CRL Mouse Female MNNG 100/ACETONE

ANIMAL ID

\*TOTALS

**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

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with tumor

<sup>+ ..</sup> Tissue examined microscopically

Species/Strain: Mouse/CD-1 CRL

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

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

Test Type: INIT/PROMOT Route: SKIN APPLICATION

CAS Number: INIT/PROM

Date Report Requested: 10/19/2014
Time Report Requested: 17:43:23

First Dose M/F: NA / NA

Lab: BAT

DAY ON TEST	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CD-1 CRL Mouse Female MNNG 500/ACETONE	3 6 2	3 6 2	3 6 2	3 6 2	3 6 2	3 6 2	2 5 7	3 6 2	3 6 3	3 6 3	3 6 3	1 7 5	3 6 3	3 6 3	3 6 3	3 6 3	0 4 2	3 6 1	3 6 1	3 6 1	3 6 1	3 6 1	3 6 1	3 6 5						
ANIMAL ID	0 0 4	0 0 4	0 0 4	0 0 4	0 0 4	0 0 4	0 0 4	0 0 4	0 0 4	0 0 4	0 0 4	0 0 4	0 0 4	0 0 4	0 0 4	0 0 4	0 0 4	0 0 4	0 0 4	0 0 4	0 0 4	0 0 4	0 0 4	0 0 4	0 0 4	0 0 4	0 0 4	0 0 4	0 0 4	0 0 4
	2	2 2	2 3	2 4	2 5	2	2 7	2 8	2 9	3	3	3	3	3	3 5	3	3	3	3	4	4	4	4	4	4 5	4	4 7	4 8	4	5 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 Carcinoma			Χ				X			
Squamous Cell Papilloma				X						
Squamous Cell Papilloma, Multiple							X			

X ..Lesion present

I .. Insufficient tissue

M ..Missing tissue

A .. Autolysis precludes evaluation

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with tumor

<sup>+ ..</sup> Tissue examined microscopically

Species/Strain: Mouse/CD-1 CRL

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

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

**Route: SKIN APPLICATION** 

CAS Number: INIT/PROM

Date Report Requested: 10/19/2014 Time Report Requested: 17:43:23

First Dose M/F: NA / NA

Lab: BAT

DAY ON TEST  CD-1 CRL Mouse Female	0 3 6	0 3 6	0 3 6	0 3 6	0 3 6	0 3 6	0 2 5	0 3 6	0 3 6	0 3 6	0 3 6	0 1 7	0 3 6	0 3 6	0 3 6	0 3 6	0 0 4	0 3 6	0 3 6	0 3 6	0 3 6	0 3 6	0 3 6							
MNNG 500/ACETONE  ANIMAL ID	0 0 4 2 1	0 0 4 2 2	0 0 4 2 3	0 0 4 2 4	0 0 4 2 5	0 0 4 2 6	7 0 0 4 2 7	0 0 4 2 8	0 0 4 2 9	0 0 4 3 0	0 0 4 3 1	5 0 0 4 3 2	0 0 4 3 3	0 0 4 3 4	0 0 4 3 5	0 0 4 3 6	0 0 4 3 7	0 0 4 3 8	0 0 4 3 9	0 0 4 4 0	0 0 4 4 1	0 0 4 4 2	0 0 4 4 3	0 0 4 4 4	5 0 0 4 4 5	0 0 4 4 6	5 0 0 4 4 7	0 0 4 4 8	5 0 0 4 4 9	5 0 0 4 5 0

Subcut Tiss, Fibroma Subcut Tiss, Sarcoma

**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

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with tumor

<sup>+ ..</sup> Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

Species/Strain: Mouse/CD-1 CRL

Test Type: INIT/PROMOT

**Route: SKIN APPLICATION** 

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

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

CAS Number: INIT/PROM

Date Report Requested: 10/19/2014 Time Report Requested: 17:43:23

First Dose M/F: NA / NA

Lab: BAT

DAY ON TEST

## CD-1 CRL 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	10
Skin, Control	4
Skin, SOA-Mass	7
Squamous Cell Carcinoma	2
Squamous Cell Papilloma	1
Squamous Cell Papilloma, Multiple	1
Subcut Tiss, Fibroma	1

X .. Lesion present

I .. Insufficient tissue

M ..Missing tissue

A .. Autolysis precludes evaluation

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with tumor

<sup>+ ..</sup> Tissue examined microscopically

Species/Strain: Mouse/CD-1 CRL

**Route: SKIN APPLICATION** 

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

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

CAS Number: INIT/PROM

Date Report Requested: 10/19/2014 Time Report Requested: 17:43:23

First Dose M/F: NA / NA

Lab: BAT

DAY ON TEST

## CD-1 CRL Mouse Female MNNG 500/ACETONE

ANIMAL ID

	*IOTALS
Subcut Tiss, Sarcoma	2
Skin, SOA-No Mass	14

**Musculoskeletal System** 

NONE

**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

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with tumor

<sup>+ ..</sup> Tissue examined microscopically

X ..Lesion present

Species/Strain: Mouse/CD-1 CRL

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

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

Test Type: INIT/PROMOT Route: SKIN APPLICATION

CAS Number: INIT/PROM

Date Report Requested: 10/19/2014
Time Report Requested: 17:43:23

First Dose M/F: NA / NA

Lab: BAT

DAY ON T	EST	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CD-1 CRL Mouse Female		1	2	3	0	2	3	0	2	0	3	3	3	3	3	3	2	1	3	3	3	2	2	3	1	2	3	3	3	3	3
MNNG1000/ACETONE		1	7	2	0 1	0	2	5	0 7	3	2	2	2	3	3	4	0	4	4	0 4	0 4	4	9	5	3	9	5	5	5	5	6
ANIMA	AL ID	0	0	0	0	0	0 0	0 0	0 0	0	0	0	0	00	0	0	0	0	0	0	00	0	0	0 0	0	0	00	0	0 0	00	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	4	4	4	4	4	4
		5	5	5	5	5	5	5	5	5	6	6	6	6	6	6	6	6	6	6	7	7	7	7	7	7	7	7	7	7	8
		1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0

**Alimentary System** 

NONE

**Cardiovascular System** 

NONE

**Endocrine System** 

NONE

**General Body System** 

NONE

**Genital System** 

NONE

**Hematopoietic System** 

NONE

**Integumentary System** 

Skin		+	+ +		+ +	+ + +	
Skin, Control			+		+		
Skin, SOA-Mass	+		+	+ +	+ +	+ +	+
Squamous Cell Carcinoma				X		X	X
Squamous Cell Carcinoma, Multiple					Χ		
Squamous Cell Papilloma				X X			

X ..Lesion present

I .. Insufficient tissue

A .. Autolysis precludes evaluation

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with tumor

<sup>+ ..</sup> Tissue examined microscopically

M ..Missing tissue

Species/Strain: Mouse/CD-1 CRL

**Route: SKIN APPLICATION** 

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

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

CAS Number: INIT/PROM

Date Report Requested: 10/19/2014
Time Report Requested: 17:43:24

First Dose M/F: NA / NA

Lab: BAT

	,																														
DA	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
<b>CD-1 CRL Mouse Female</b>		1	2	3	0	2	3	0	2	0	3	3	3	3	3	3	2	1	3	3	3	2	2	3	1	2	3	3	3	3	3
CD-1 CKE MOUSE Female	•	5	6	6	8	3	6	9	6	4	6	6	6	6	6	6	3	9	6	6	6	1	2	6	8	1	3	6	6	6	1
MNNG1000/ACETONE		1	7	2	1	0	2	5	7	3	2	2	2	3	3	4	0	4	4	4	4	4	9	5	3	9	5	5	5	5	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
	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
		4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
		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
Subcut Tiss, Sarcoma		Χ							Χ										Χ			Χ	Χ								
Skin, SOA-No Mass		+	+	+	+		+	+	+			+	+	+	+	+	+	+	+	+	+		+	+	+	+	+	+	+	+	+
Subcut Tiss, Sarcoma																									X						

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

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with tumor

<sup>+ ..</sup> Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

Species/Strain: Mouse/CD-1 CRL

Test Type: INIT/PROMOT

**Route: SKIN APPLICATION** 

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

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

CAS Number: INIT/PROM

Date Report Requested: 10/19/2014 Time Report Requested: 17:43:24

First Dose M/F: NA / NA

Lab: BAT

DAY ON TEST

## CD-1 CRL 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
Skin, Control	2
Skin, SOA-Mass	9
Squamous Cell Carcinoma	3
Squamous Cell Carcinoma, Multiple	1
Squamous Cell Papilloma	2
Subcut Tiss, Sarcoma	5

X .. Lesion present

I .. Insufficient tissue

M ..Missing tissue

A .. Autolysis precludes evaluation

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with tumor

<sup>+ ..</sup> Tissue examined microscopically

Species/Strain: Mouse/CD-1 CRL

Test Type: INIT/PROMOT

**Route: SKIN APPLICATION** 

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

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

CAS Number: INIT/PROM

Date Report Requested: 10/19/2014 Time Report Requested: 17:43:24

First Dose M/F: NA / NA

Lab: BAT

DAY ON TEST

## CD-1 CRL Mouse Female MNNG1000/ACETONE

ANIMAL ID

	*TOTALS
Skin, SOA-No Mass	26
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

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with tumor

<sup>+ ..</sup> Tissue examined microscopically

X ..Lesion present

Species/Strain: Mouse/CD-1 CRL

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

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

Test Type: INIT/PROMOT Route: SKIN APPLICATION

CAS Number: INIT/PROM

Date Report Requested: 10/19/2014
Time Report Requested: 17:43:24

First Dose M/F: NA / NA

Lab: BAT

DAY ON TEST	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CD-1 CRL Mouse Female	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	1	3	2	3	3	3	3	3	3	3	2	3	3	3
	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	9	6	2	6	6	6	6	6	6	6	1	0	6	6
TPA 5 COMPLETE	0	2	2	2	2	2	3	3	3	3	3	3	3	4	4	4	4	4	1	4	4	5	5	5	5	5	9	0	5	_5_
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ANIIVIAL ID	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	5	5	5	5	5	5	5	5	5	5	5
	8	8	8	8	8	8	8	8	8	9	9	9	9	9	9	9	9	9	9	0	0	0	0	0	0	0	0	0	0	, 1
	1	2	3	4	5	6	7	8	9	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		Χ		Χ																		Χ	Χ						
Skin SOA-No Mass	+	+	+	+	+	+	+	+	+	+	4	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

X ..Lesion present

I ..Insufficient tissue

A .. Autolysis precludes evaluation

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with tumor

<sup>+ ..</sup> Tissue examined microscopically

M ..Missing tissue

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

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

Route: SKIN APPLICATION
Species/Strain: Mouse/CD-1 CRL

Test Type: INIT/PROMOT

CAS Number: INIT/PROM

Date Report Requested: 10/19/2014 Time Report Requested: 17:43:24

First Dose M/F: NA / NA

Lab: BAT

DAY ON TEST	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CD-1 CRL Mouse Female	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	1	3	2	3	3	3	3	3	3	3	2	3 0	3	3
TPA 5 COMPLETE	0	2	2	2	2	2	3	3	3	3	3	3	3	4	4	4	4	4	1	4	4	5	5	5	5	5	9	0	5	5
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4	4 8	4 8	4 Ջ	4 8	4	4 8	4	4 8	4 9	4	4 9	4 9	4 0	4 9	4 0	4 9	4 9	4 0	5	5	5	5	5	5	5	5	5	5	5
	1	2	3	4	5	6	7	8	9	ő	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	o

Musculoskeletal System

NONE

**Nervous System** 

NONE

**Respiratory System** 

NONE

**Special Senses System** 

NONE

**Urinary System** 

NONE

**SYSTEMIC LESIONS** 

Lymphoma Malignant Lymphocytic

\* ..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/CD-1 CRL

Test Type: INIT/PROMOT

**Route: SKIN APPLICATION** 

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

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

CAS Number: INIT/PROM

Date Report Requested: 10/19/2014 Time Report Requested: 17:43:24

First Dose M/F: NA / NA

Lab: BAT

DAY ON TEST

# CD-1 CRL Mouse Female TPA 5 COMPLETE

ANIMAL ID

\*TOTALS

**Alimentary System** 

NONE

**Cardiovascular System** 

NONE

**Endocrine System** 

NONE

**General Body System** 

NONE

**Genital System** 

NONE

**Hematopoietic System** 

NONE

### **Integumentary System**

Skin	4
Skin, Control	18
Skin, SOA-Mass	5
Squamous Cell Papilloma	4
Skin, SOA-No Mass	28

**Musculoskeletal System** 

NONE

I .. Insufficient tissue

M ..Missing tissue

A .. Autolysis precludes evaluation

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with tumor

<sup>+ ..</sup> Tissue examined microscopically

X .. Lesion present

Species/Strain: Mouse/CD-1 CRL

**Route: SKIN APPLICATION** 

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

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

CAS Number: INIT/PROM

Date Report Requested: 10/19/2014 Time Report Requested: 17:43:24

First Dose M/F: NA / NA

Lab: BAT

DAY ON TEST

## CD-1 CRL Mouse Female TPA 5 COMPLETE

ANIMAL ID

\*TOTALS

1

**Nervous System** 

NONE

**Respiratory System** 

NONE

**Special Senses System** 

NONE

**Urinary System** 

NONE

**SYSTEMIC LESIONS** 

Multiple Organ 28

Lymphoma Malignant Lymphocytic

X .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with tumor

<sup>+ ..</sup> Tissue examined microscopically

Species/Strain: Mouse/CD-1 CRL

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

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

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

CAS Number: INIT/PROM

Date Report Requested: 10/19/2014
Time Report Requested: 17:43:24

First Dose M/F: NA / NA

Lab: BAT

DAY ON TEST CD-1 CRL Mouse Female MNNG100/COMPLETE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3	3	3	3	3	3	2	3	3	3	3	3	3	3	2	3	2	3	3	3	3	3	3	3	3	3	3	3	3	3
	6	6	6	4	2	4	8	6	6	6	6	6	1	6	9	6	9	3	6	6	6	6	6	6	6	2	6	1	4	6
	2	2	2	7	1	7	7	2	2	3	3	3	6	3	2	3	3	5	4	4	4	4	5	5	5	6	5	3	7	5
ANIMAL ID	_	0 0 5 1 2	0 0 5 1 3	0 0 5 1 4	0 0 5 1 5	0 0 5 1 6	0 0 5 1 7	0 0 5 1 8	0 0 5 1 9	0 0 5 2 0	0 0 5 2 1	0 0 5 2 2	0 0 5 2 3	0 0 5 2 4	0 0 5 2 5	0 0 5 2 6	0 0 5 2 7	0 0 5 2 8	0 0 5 2 9	0 0 5 3 0	0 0 5 3 1	0 0 5 3 2	0 0 5 3 3	0 0 5 3 4	00535	0 0 5 3 6	0 0 5 3 7	00538	0 0 5 3 9	0 0 5 4 0

### **Alimentary System**

NONE

**Cardiovascular System** 

NONE

**Endocrine System** 

NONE

**General Body System** 

NONE

**Genital System** 

NONE

**Hematopoietic System** 

NONE

**Integumentary System** 

Skin						+				+						+			+	
Squamous Cell Papilloma																Χ				
Skin, Control	+ +	+ +	- +	+	+	+ +	+	+	+	+ +			+	+	+	+	+	+	+	+
Skin, SOA-Mass	+ +	4	+	+	+	+	+ + +	+	+	+	+	+	+	+	+	+			+	
Squamous Cell Carcinoma	X X	>	( X		X		X		Χ	Χ			Χ		Χ	Χ				
Squamous Cell Carcinoma, Multiple				Χ		Χ					Х	Χ								

X ..Lesion present

I .. Insufficient tissue

A .. Autolysis precludes evaluation

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with tumor

<sup>+ ..</sup> Tissue examined microscopically

M .. Missing tissue

Species/Strain: Mouse/CD-1 CRL

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

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

**Route: SKIN APPLICATION** 

**CAS Number: INIT/PROM** 

Date Report Requested: 10/19/2014 Time Report Requested: 17:43:24

First Dose M/F: NA / NA

Lab: BAT

		1																l												
DAY ON TEST	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CD-1 CRL Mouse Female	3	3	3	3	3	3	2	3	3	3	3	3	3	3	2	3	2	3	3	3	3	3	3	3	3	3	3	3	3	3
CD-1 CKL WOUSE FEITIALE	6	6	6	4	2	4	8	6	6	6	6	6	1	6	9	6	9	3	6	6	6	6	6	6	6	2	6	1	4	6
MNNG100/COMPLETE	2	2	2	7	1	7	7	2	2	3	3	3	6	3	2	3	3	5	4	4	4	4	5	5	5	6	5	3	7	5
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ANIIVIAL ID	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	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
Squamous Cell Papilloma														Χ							X		X	X						

Squamous Cell Papilloma, Multiple

ХХ Χ

Subcut Tiss, Sarcoma

Skin, SOA-No Mass

**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

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with tumor

<sup>+ ..</sup> Tissue examined microscopically

Species/Strain: Mouse/CD-1 CRL

Test Type: INIT/PROMOT

**Route: SKIN APPLICATION** 

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

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

CAS Number: INIT/PROM

Date Report Requested: 10/19/2014 Time Report Requested: 17:43:24

First Dose M/F: NA / NA

Lab: BAT

DAY ON TEST

## CD-1 CRL 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	4
Squamous Cell Papilloma	1
Skin, Control	22
Skin, SOA-Mass	20
Squamous Cell Carcinoma	11
Squamous Cell Carcinoma, Multiple	4
Squamous Cell Papilloma	4

X .. Lesion present

I ..Insufficient tissue

M ..Missing tissue

A .. Autolysis precludes evaluation

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with tumor

<sup>+ ..</sup> Tissue examined microscopically

Species/Strain: Mouse/CD-1 CRL

Test Type: INIT/PROMOT

**Route: SKIN APPLICATION** 

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

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

CAS Number: INIT/PROM

Date Report Requested: 10/19/2014 Time Report Requested: 17:43:24

First Dose M/F: NA / NA

Lab: BAT

DAY ON TEST

## CD-1 CRL Mouse Female MNNG100/COMPLETE

ANIMAL ID

	*IOTALS
Squamous Cell Papilloma, Multiple	5
Subcut Tiss, Sarcoma	4
Skin, SOA-No Mass	27

Musculoskeletal System

NONE

**Nervous System** 

NONE

**Respiratory System** 

NONE

**Special Senses System** 

NONE

**Urinary System** 

NONE

SYSTEMIC LESIONS

Multiple Organ 30

BLANK .. Not examined microscopically

X ..Lesion present

I .. Insufficient tissue

M ..Missing tissue

A .. Autolysis precludes evaluation

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

<sup>+ ..</sup> Tissue examined microscopically

Species/Strain: Mouse/CD-1 CRL

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

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

Route: SKIN APPLICATION

Test Type: INIT/PROMOT

CAS Number: INIT/PROM

Date Report Requested: 10/19/2014 Time Report Requested: 17:43:24

First Dose M/F: NA / NA

Lab: BAT

DAY ON TEST	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CD-1 CRL Mouse Female	3 6	3 6	3 6	3 6	3 6	3 6	3 6	3 6	3 6	3 2	3 6	3 6	3 6	3 6	3 6	3 6	3 6	3 6	3 6	3 6	3 6									
BPO 20 COMPLETE	2	2	2	2	2	2	2	3	3	1	3	3	3	3	3	4	4	4	4	4	4	4	4	5	5	5	5	5	5	5
ANIMAL ID	0 0 5	0 0 5	0 0 5	0 0 5	0 0 5	0 0 5	0 0 5	0 0 5	0 0 5	0 0 5	0 0 5	0 0 5																		
	4 1	4 2	4 3	4 4	4 5	4 6	4 7	4 8	4 9	5 0	5 1	5 2	5 3	5 4	5 5	5 6	5 7	5 8	5 9	60	6 1	6 2	6 3	6 4	6 5	66	6 7	6 8	6 9	7 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

X ..Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with tumor

<sup>+ ..</sup> Tissue examined microscopically

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

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

Test Type: INIT/PROMOT Route: SKIN APPLICATION

CAS Number: INIT/PROM

Date Report Requested: 10/19/2014
Time Report Requested: 17:43:25

First Dose M/F: NA / NA

Lab: BAT

Species/Strain: Mouse/CD-1 CRL

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

**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

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with tumor

<sup>+ ..</sup>Tissue examined microscopically

Species/Strain: Mouse/CD-1 CRL

Test Type: INIT/PROMOT

**Route: SKIN APPLICATION** 

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

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

**CAS Number: INIT/PROM** 

Date Report Requested: 10/19/2014 Time Report Requested: 17:43:25

First Dose M/F: NA / NA

Lab: BAT

DAY ON TEST

### **CD-1 CRL Mouse Female BPO 20 COMPLETE**

ANIMAL ID

\*TOTALS

9 5

**Alimentary System** 

NONE

Cardiovascular System

NONE

**Endocrine System** 

NONE

**General Body System** 

NONE

**Genital System** 

NONE

**Hematopoietic System** 

NONE

**Integumentary System** 

Skin Skin, Control Skin, SOA-No Mass 21

**Musculoskeletal System** 

NONE

**Nervous System** 

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with tumor

<sup>+ ..</sup> Tissue examined microscopically

X .. Lesion present

Species/Strain: Mouse/CD-1 CRL

**Route: SKIN APPLICATION** 

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

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

CAS Number: INIT/PROM

Date Report Requested: 10/19/2014 Time Report Requested: 17:43:25

First Dose M/F: NA / NA

Lab: BAT

DAY ON TEST

## CD-1 CRL Mouse Female BPO 20 COMPLETE

ANIMAL ID

\*TOTALS

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

Species/Strain: Mouse/CD-1 CRL

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

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

Test Type: INIT/PROMOT Route: SKIN APPLICATION

CAS Number: INIT/PROM

Date Report Requested: 10/19/2014
Time Report Requested: 17:43:25

First Dose M/F: NA / NA

Lab: BAT

DAY ON TEST	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CD-1 CRL Mouse Female	3	3	3	3	3	3	3	3	2	3	3	3	3	3	3	3	3	3	1	3	3	3	3	3	3	3	3	3	3	3
	6	6	6	6	6	6	6	6	5	6	6	6	6	6	6	6	6	6	7	6	6	6	6	6	6	6	6	6	6	6
MNNG 100/BPO 20	2	2	2	2	2	2	2	3	1	3	3	3	3	3	3	4	4	4	6	4	4	4	4	5	5	5	5	5	5	5
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ANIIVIAL ID	0	0	0	0	0	0	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
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X ..Lesion present

I .. Insufficient tissue

A .. Autolysis precludes evaluation

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with tumor

<sup>+ ..</sup> Tissue examined microscopically

M ..Missing tissue

Species/Strain: Mouse/CD-1 CRL

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

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

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

**CAS Number: INIT/PROM** 

Date Report Requested: 10/19/2014 Time Report Requested: 17:43:25

First Dose M/F: NA / NA

Lab: BAT

**CD-1 CRL Mouse Female** MNNG 100/BPO 20

ANIMAL ID

DAY ON TEST 0 5 7 2 5 7 5 7 5 5 7 5 5 7 8 5 8 5 5 8 6 5 8 9 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

Multiple Organ

X .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with tumor

<sup>+ ..</sup> Tissue examined microscopically

Species/Strain: Mouse/CD-1 CRL

Test Type: INIT/PROMOT

**Route: SKIN APPLICATION** 

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

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

**CAS Number: INIT/PROM** 

Date Report Requested: 10/19/2014 Time Report Requested: 17:43:25

First Dose M/F: NA / NA

Lab: BAT

#### DAY ON TEST

### **CD-1 CRL Mouse Female** 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	4
Skin, Control	4
Skin, SOA-Mass	3
Keratoacanthoma	1
Squamous Cell Papilloma	2
Skin, SOA-No Mass	28

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

+ .. Tissue examined microscopically

Musculoskeletal System

X .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

Species/Strain: Mouse/CD-1 CRL

**Route: SKIN APPLICATION** 

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

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

CAS Number: INIT/PROM

Date Report Requested: 10/19/2014 Time Report Requested: 17:43:25

First Dose M/F: NA / NA

Lab: BAT

DAY ON TEST

# CD-1 CRL Mouse Female MNNG 100/BPO 20

ANIMAL ID

\*TOTALS

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

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with tumor

<sup>+ ..</sup> Tissue examined microscopically

Species/Strain: Mouse/CD-1 CRL

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

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

Test Type: INIT/PROMOT Route: SKIN APPLICATION

CAS Number: INIT/PROM

Date Report Requested: 10/19/2014 Time Report Requested: 17:43:25

First Dose M/F: NA / NA

Lab: BAT

DAY ON TEST CD-1 CRL Mouse Female MNNG 500/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	3	3	2	3	3	2	3	3	3	3	3	3	3	3	3	1	3	2	2	3	3	3	2	3	2	3	3	2	3
	6	6	6	1	6	6	1	6	6	6	6	6	4	6	6	6	5	6	3	4	6	6	1	5	6	2	6	6	8	6
	2	2	2	4	2	2	9	3	3	3	3	3	7	4	4	4	4	4	0	1	4	5	4	1	5	4	5	5	6	5
ANIMAL ID	0 0 6 0 1	0 0 6 0 2	00603	0 0 6 0 4	0 0 6 0 5	0 0 6 0 6	0 0 6 0 7	0 0 6 0 8	0 0 6 0 9	0 0 6 1	0 0 6 1 1	0 0 6 1 2	0 0 6 1 3	0 0 6 1 4	0 0 6 1 5	0 0 6 1 6	0 0 6 1 7	0 0 6 1 8	0 0 6 1 9	0 0 6 2 0	0 0 6 2 1	0 0 6 2 2	0 0 6 2 3	0 0 6 2 4	0 0 6 2 5	00626	0 0 6 2 7	0 0 6 2 8	0 0 6 2 9	0 0 6 3

**Alimentary System** 

NONE

**Cardiovascular System** 

NONE

**Endocrine System** 

NONE

**General Body System** 

NONE

**Genital System** 

NONE

**Hematopoietic System** 

NONE

**Integumentary System** 

Skin			+	+										+	+			+				
Subcut Tiss, Sarcoma			Χ																			
Skin, Control	+	+	+		+	+		+	+		+	+			+		+	+				
Skin, SOA-Mass				+			+	+		+		+	+	+		+	+		+		+	+
Keratoacanthoma							Χ															
Squamous Cell Carcinoma												Χ				Χ				2	X	

X ..Lesion present

I .. Insufficient tissue

A .. Autolysis precludes evaluation

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with tumor

<sup>+ ..</sup> Tissue examined microscopically

M ..Missing tissue

Route: SKIN APPLICATION
Species/Strain: Mouse/CD-1 CRL

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

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

CAS Number: INIT/PROM

Date Report Requested: 10/19/2014
Time Report Requested: 17:43:25

First Dose M/F: NA / NA

Lab: BAT

CD-1 CRL Mouse Female MNNG 500/BPO 20	ON TEST	0 3 6 2 0 0 6 0 1	0 3 6 2 0 0 6 0 6	0 3 6 2 0 0 6 0 6 0 3	0 2 1 4 0 0 6 0 4	0 3 6 2 0 0 6 0 6 0 5	0 3 6 2 0 0 6 0 6	0 2 1 9 0 0 6 0 7	0 3 6 3 0 0 6 0 8	0 3 6 3 0 0 6 0 6	0 3 6 3 0 0 6 1 0	0 3 6 3 0 0 6 1	0 3 6 3 0 0 6 1 2	0 3 4 7 0 0 6 1 3	0 3 6 4 0 0 6 1 4	0 3 6 4 0 0 6 1 5	0 3 6 4 0 0 6 1 6	0 1 5 4 0 0 6 1 7	0 3 6 4 0 0 6 1 8	0 2 3 0 0 0 6 1 9	0 2 4 1 0 0 6 2 0	0 3 6 4 0 0 6 2 1	0 3 6 5 0 0 6 2 2	0 3 1 4 0 0 6 2 3	0 2 5 1 0 0 6 2 4	0 3 6 5 0 0 6 2 5	0 2 2 4 0 0 6 2 6	0 3 6 5 0 0 6 2 7	0 3 6 5 0 0 6 2 8	0 2 8 6 0 0 6 2 9	0 3 6 5 0 0 6 3 0
Squamous Cell Papilloma Subcut Tiss, Sarcoma					X				Χ			X					X	X							Χ			Х		Х	Χ
Skin, SOA-No Mass		+	+	+	+	+	+		+	+	+	+	+	+	+	+	+		+	+	+	+	+	+	+	+	+	+	+	+	+

**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

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with tumor

<sup>+ ..</sup> Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

Species/Strain: Mouse/CD-1 CRL

Test Type: INIT/PROMOT

**Route: SKIN APPLICATION** 

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

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

CAS Number: INIT/PROM

Date Report Requested: 10/19/2014 Time Report Requested: 17:43:25

First Dose M/F: NA / NA

Lab: BAT

#### DAY ON TEST

## CD-1 CRL Mouse Female 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	5
Subcut Tiss, Sarcoma	1
Skin, Control	12
Skin, SOA-Mass	12
Keratoacanthoma	1
Squamous Cell Carcinoma	3
Squamous Cell Papilloma	6

X .. Lesion present

I ..Insufficient tissue

M ..Missing tissue

A .. Autolysis precludes evaluation

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with tumor

<sup>+ ..</sup> Tissue examined microscopically

Species/Strain: Mouse/CD-1 CRL

Test Type: INIT/PROMOT

**Route: SKIN APPLICATION** 

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

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

CAS Number: INIT/PROM

Date Report Requested: 10/19/2014 Time Report Requested: 17:43:25

First Dose M/F: NA / NA

Lab: BAT

DAY ON TEST

## CD-1 CRL Mouse Female MNNG 500/BPO 20

ANIMAL ID

	*IOTALS
Subcut Tiss, Sarcoma	3
Skin, SOA-No Mass	28

**Musculoskeletal System** 

NONE

**Nervous System** 

NONE

**Respiratory System** 

NONE

**Special Senses System** 

NONE

**Urinary System** 

NONE

**SYSTEMIC LESIONS** 

Multiple Organ 30

BLANK .. Not examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A .. Autolysis precludes evaluation

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with tumor

<sup>+ ..</sup> Tissue examined microscopically

Species/Strain: Mouse/CD-1 CRL

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

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

Test Type: INIT/PROMOT Route: SKIN APPLICATION

CAS Number: INIT/PROM

Date Report Requested: 10/19/2014 Time Report Requested: 17:43:25

First Dose M/F: NA / NA

Lab: BAT

DAY ON TEST	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CD-1 CRL Mouse Female MNNG1000/BPO 20	3 6 2	3 4 7	3 6 2	2 8 4	3 2 6	3 6 2	3 6 2	3 6 3	2 0 7	3 6 3	2 9 3	3 6 3	3 6 3	3 6 4	2 1 4	2 6 6	3 6 4	3 6 4	3 6 4	1 5 1	<i>5 6 5</i>	1 3 7	3 6 5	3 6 5	2 9 3	2 1 5	0 4 8	1 6 9	3 6 5	3 6 5
ANIMAL ID	0 0 6 3	0 0 6 3 2	00633	0 0 6 3	0 0 6 3 5	0 0 6 3 6	0 0 6 3 7	0 0 6 3 8	0 0 6 3 9	0 0 6 4	0 0 6 4 1	0 0 6 4 3	0 0 6 4 3	0 0 6 4	0 0 6 4	0 0 6 4 6	0 0 6 4 7	0 0 6 4	0 0 6 4 9	00650	00651	0 0 6 5 3	0 0 6 5 3	0 0 6 5	00656	00656	0 0 6 5 7	00650	00659	0 0 6 6

**Alimentary System** 

NONE

**Cardiovascular System** 

NONE

**Endocrine System** 

NONE

**General Body System** 

NONE

**Genital System** 

NONE

**Hematopoietic System** 

NONE

**Integumentary System** 

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

X ..Lesion present

I .. Insufficient tissue

A .. Autolysis precludes evaluation

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with tumor

<sup>+ ..</sup> Tissue examined microscopically

M ..Missing tissue

Species/Strain: Mouse/CD-1 CRL

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

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

Route: SKIN APPLICATION

CAS Number: INIT/PROM F

CAO Number. III

Date Report Requested: 10/19/2014
Time Report Requested: 17:43:26

First Dose M/F: NA / NA

Lab: BAT

DAY ON TES  CD-1 CRL Mouse Female  MNNG1000/BPO 20  ANIMAL II	3 6 2	0 3 4 7 0 0 6 3 2	0 3 6 2 0 0 6 3 3	0 2 8 4 0 0 6 3 4	0 3 2 6 0 0 6 3 5	0 3 6 2 0 0 6 3 6	0 3 6 2 0 0 6 3 7	0 3 6 3 0 0 6 3 8	0 2 0 7 0 0 0 6 3 9	0 3 6 3 0 0 6 4 0	0 2 9 3 0 0 6 4 1	0 3 6 3 0 0 6 4 2	0 3 6 3 0 0 6 4 3	0 3 6 4 0 0 6 4 4	0 2 1 4 0 0 6 4 5	0 2 6 6 0 0 6 4 6	0 3 6 4 0 0 6 4 7	0 3 6 4 0 0 6 4 8	0 3 6 4 0 0 6 4 9	0 1 5 1 0 0 6 5 0	0 3 6 5 0 0 6 5 1	0 1 3 7 0 0 6 5 2	0 3 6 5 0 0 6 5 3	0 3 6 5 0 0 6 5 4	0 2 9 3 0 0 6 5 5	0 2 1 5 0 0 6 5 6	0 0 4 8 0 0 6 5 7	0 1 6 9 0 0 6 5 8	0 3 6 5 0 0 6 5 9	0 3 6 5 0 0 6 6 6 0
Squamous Cell Papilloma									Χ					Χ																
Subcut Tiss, Sarcoma		Χ			Χ				Χ			Χ													Χ					Χ
Skin, SOA-No Mass	+	+		+		+	+	+	+	+	+		+	+	+	+		+	+	+	+	+	+	+	+	+	+	+	+	+
Squamous Cell Carcinoma, 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

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with tumor

<sup>+ ..</sup> Tissue examined microscopically

Species/Strain: Mouse/CD-1 CRL

Test Type: INIT/PROMOT

**Route: SKIN APPLICATION** 

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

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

CAS Number: INIT/PROM

Date Report Requested: 10/19/2014 Time Report Requested: 17:43:26

First Dose M/F: NA / NA

Lab: BAT

DAY ON TEST

## CD-1 CRL 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	8
Subcut Tiss, Sarcoma	2
Skin, Control	7
Skin, SOA-Mass	12
Squamous Cell Carcinoma	3
Squamous Cell Carcinoma, Multiple	1
Squamous Cell Papilloma	2

I .. Insufficient tissue

M ..Missing tissue

A .. Autolysis precludes evaluation

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with tumor

<sup>+ ..</sup> Tissue examined microscopically

X .. Lesion present

Species/Strain: Mouse/CD-1 CRL

Test Type: INIT/PROMOT

**Route: SKIN APPLICATION** 

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

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

CAS Number: INIT/PROM

Date Report Requested: 10/19/2014 Time Report Requested: 17:43:26

First Dose M/F: NA / NA

Lab: BAT

DAY ON TEST

## CD-1 CRL Mouse Female MNNG1000/BPO 20

ANIMAL ID

	*TOTALS
Subcut Tiss, Sarcoma	6
Skin, SOA-No Mass	26
Squamous Cell Carcinoma, Multiple	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

Species/Strain: Mouse/CD-1 CRL

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

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

Test Type: INIT/PROMOT Route: SKIN APPLICATION

CAS Number: INIT/PROM

Date Report Requested: 10/19/2014
Time Report Requested: 17:43:26

First Dose M/F: NA / NA

Lab: BAT

DAY ON TEST	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CD-1 CRL Mouse Female	3	3	3	3	3	3	3	1	3	3	3	3	3	3	3	2	2	3	3	3	3	3	3	3	3	3	3	3	3	3
	3	6	6	6	1	6	6	1	U	6	6	6	6	6	6	7	8	6	6	0	0	0	0	6	6	0	6	6	2	6
MNNG 100/TPA 5	U	2	2	2	3	2	2	3	U	2	3	3	3	3	3	3	6	3	4	4	4	4	4	3	5	U	5		6	_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
AMMALIB	0	0	0	0	0	0	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		8	9	U	1	2	3	4	5	6	/	8	9	0	1	2	3	4	5	6	/	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	+	+	+		+	+	+	+ +	+	+	+		+	+		+	+	+
Keratoacanthoma														Χ				
Squamous Cell Carcinoma	X							X		Χ						Χ	Χ	
Squamous Cell Papilloma	Χ	X							Х					Χ		Χ		

X ..Lesion present

I .. Insufficient tissue

M ..Missing tissue

A .. Autolysis precludes evaluation

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with tumor

<sup>+ ..</sup> Tissue examined microscopically

Species/Strain: Mouse/CD-1 CRL

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

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

Route: SKIN APPLICATION CAS Number: INIT/PROM

Time Report Requested: 17:43:26

First Dose M/F: NA / NA

Date Report Requested: 10/19/2014

Lab: BAT

CD-1 CRL Mouse Female MNNG 100/TPA 5

DAY ON TEST 7 5 **6** ANIMAL ID Õ Õ Õ Õ Õ Õ 6 6 8 7 5 7 6 7 7 5 7 7 Χ Χ Χ Χ Χ Χ X X

Χ

Squamous Cell Papilloma, Multiple

Subcut Tiss, Hemangioma X

Skin, SOA-No Mass

Squamous Cell Carcinoma

**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

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with tumor

<sup>+ ..</sup> Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

Species/Strain: Mouse/CD-1 CRL

Test Type: INIT/PROMOT

**Route: SKIN APPLICATION** 

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

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

CAS Number: INIT/PROM

Date Report Requested: 10/19/2014 Time Report Requested: 17:43:26

First Dose M/F: NA / NA

Lab: BAT

DAY ON TEST

## CD-1 CRL 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	3
Skin, Control	10
Skin, SOA-Mass	16
Keratoacanthoma	1
Squamous Cell Carcinoma	5
Squamous Cell Papilloma	5
Squamous Cell Papilloma, Multiple	8

X .. Lesion present

I ..Insufficient tissue

M ..Missing tissue

A .. Autolysis precludes evaluation

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with tumor

<sup>+ ..</sup> Tissue examined microscopically

Species/Strain: Mouse/CD-1 CRL

**Route: SKIN APPLICATION** 

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

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

CAS Number: INIT/PROM

Date Report Requested: 10/19/2014 Time Report Requested: 17:43:26

First Dose M/F: NA / NA

Lab: BAT

DAY ON TEST

## CD-1 CRL Mouse Female MNNG 100/TPA 5

#### ANIMAL ID

	*TOTALS
Subcut Tiss, Hemangioma	1
Skin, SOA-No Mass	29
Squamous Cell Carcinoma	1

Musculoskeletal System

NONE

**Nervous System** 

NONE

**Respiratory System** 

NONE

**Special Senses System** 

NONE

**Urinary System** 

NONE

SYSTEMIC LESIONS

Multiple Organ 30

X ..Lesion present

I .. Insufficient tissue

M ..Missing tissue

A .. Autolysis precludes evaluation

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with tumor

<sup>+ ..</sup> Tissue examined microscopically

Species/Strain: Mouse/CD-1 CRL

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

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

Test Type: INIT/PROMOT Route: SKIN APPLICATION

CAS Number: INIT/PROM

Date Report Requested: 10/19/2014 Time Report Requested: 17:43:26

First Dose M/F: NA / NA

Lab: BAT

DAY ON TEST	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CD-1 CRL Mouse Female	3	1 3	3 6	<i>3</i>	2	2	1 9	<i>3 6</i>	2 5	<i>3 6</i>	3 6	3 6	0	3 6	3 6	1 9	3	3 1	3 6	3 6	3 6	3	2	3	1	1 7	2	3	3 6	3
MNNG1000/TPA 5	2	3	2	2	7	1	7	2	1	3	3	3	7	4	4	5	4	4	4	5	5	5	8	4	9	ģ	6	1	5	1
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
	6	6	6	6	6 9	6	6 9	6 9	6	7 0	7	7 0	7	7	7 0	7	7	7 0	7 0	7	7	7	7	7	7	7	7	7	7	7
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**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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\* ..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

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED) Date Report Requested: 10/19/2014 **Experiment Number:** 05117-05 Test Type: INIT/PROMOT **Test Compound:** Init/prom comparative mouse study (DMBA/TPA/BPO/MNNG) Time Report Requested: 17:43:26 **Route: SKIN APPLICATION CAS Number: INIT/PROM** First Dose M/F: NA / NA Species/Strain: Mouse/CD-1 CRL Lab: BAT DAY ON TEST *3* 3 7 5 **CD-1 CRL Mouse Female 2** MNNG1000/TPA 5 ANIMAL ID Õ Õ Õ Õ 7 Ŏ 7 7 7 7 7 5 6 9 Ó Squamous Cell Papilloma X X Χ X X Χ Χ Χ Х Squamous Cell Papilloma, Multiple Subcut Tiss, Sarcoma Χ Skin, SOA-No Mass Squamous Cell Carcinoma Х 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

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with tumor

<sup>+ ..</sup> Tissue examined microscopically

Species/Strain: Mouse/CD-1 CRL

Test Type: INIT/PROMOT

**Route: SKIN APPLICATION** 

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

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

CAS Number: INIT/PROM

Date Report Requested: 10/19/2014 Time Report Requested: 17:43:26

First Dose M/F: NA / NA

Lab: BAT

DAY ON TEST

## CD-1 CRL Mouse Female 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	5
Subcut Tiss, Sarcoma	1
Skin, Control	12
Skin, SOA-Mass	14
Squamous Cell Carcinoma	3
Squamous Cell Carcinoma, Multiple	1
Squamous Cell Papilloma	7

X .. Lesion present

I .. Insufficient tissue

M ..Missing tissue

A .. Autolysis precludes evaluation

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with tumor

<sup>+ ..</sup> Tissue examined microscopically

Species/Strain: Mouse/CD-1 CRL

Test Type: INIT/PROMOT

**Route: SKIN APPLICATION** 

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

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

CAS Number: INIT/PROM

Date Report Requested: 10/19/2014 Time Report Requested: 17:43:26

First Dose M/F: NA / NA

Lab: BAT

DAY ON TEST

## CD-1 CRL Mouse Female MNNG1000/TPA 5

#### ANIMAL ID

	*TOTALS
Squamous Cell Papilloma, Multiple	2
Subcut Tiss, Sarcoma	3
Skin, SOA-No Mass	29
Squamous Cell Carcinoma	1

#### **Musculoskeletal System**

NONE

**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

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with tumor

<sup>+ ..</sup>Tissue examined microscopically

X ..Lesion present

Species/Strain: Mouse/CD-1 CRL

**Route: SKIN APPLICATION** 

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

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

CAS Number: INIT/PROM

Date Report Requested: 10/19/2014 Time Report Requested: 17:43:26

First Dose M/F: NA / NA

Lab: BAT

DAY ON TEST

# CD-1 CRL Mouse Female SENTINEL FEMALE

ANIMAL ID

\*TOTALS

**Alimentary System** 

NONE

**Cardiovascular System** 

NONE

**Endocrine System** 

NONE

**General Body System** 

NONE

**Genital System** 

NONE

**Hematopoietic System** 

NONE

**Integumentary System** 

NONE

Musculoskeletal System

NONE

**Nervous System** 

NONE

X .. Lesion present

I ..Insufficient tissue

M ..Missing tissue

A .. Autolysis precludes evaluation

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with tumor

<sup>+ ..</sup> Tissue examined microscopically

Experiment Number: 05117-05
Test Type: INIT/PROMOT
Route: SKIN APPLICATION

Species/Strain: Mouse/CD-1 CRL

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

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

CAS Number: INIT/PROM

Date Report Requested: 10/19/2014 Time Report Requested: 17:43:26

First Dose M/F: NA / NA

Lab: BAT

DAY ON TEST

CD-1 CRL Mouse Female SENTINEL FEMALE

ANIMAL ID

\*TOTALS

**Respiratory System** 

NONE

**Special Senses System** 

NONE

**Urinary System** 

NONE

**SYSTEMIC LESIONS** 

Multiple Organ 0

\*\* END OF REPORT \*\*

X .. Lesion present

I .. Insufficient tissue

M ..Missing tissue

A .. Autolysis precludes evaluation

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with tumor

<sup>+ ..</sup> Tissue examined microscopically