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

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: 10/21/2014 Time Report Requested: 06:26:36 First Dose M/F: NA / NA Lab: BAT

C Number:	C61994A
Lock Date:	04/07/1992
Cage Range:	All
Date Range:	All
Reasons For Removal:	All
Removal Date Range:	All
Treatment Groups:	All
Study Gender:	Both
PWG Approval Date	04/27/1994

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

CAS Number: INIT/PROM

Date Report Requested: 10/21/2014 Time Report Requested: 06:26:36 First Dose M/F: NA / NA Lab: BAT

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

																							_								
B6C3F1 Mouse Male VEHICLE CONTROL	DAY ON TEST	0 3 6 3	0 3 6 3	0 3 6 3	0 3 6 3	0 3 6 3	0 3 6 3	0 3 6 4	0 3 6 4	0 3 6 4	0 3 6 4	0 3 6 4	0 3 6 4	0 3 6 5	0 3 6 5	0 3 6 5	0 3 6 5	0 3 6 5	0 3 6 5	0 3 6 6	0 3 6 6	0 3 6 6	0 3 6 6	0 3 6 6	0 3 6 6	0 3 6 7	0 3 6 7	0 3 6 7	0 3 6 7	0 3 6 7	0 3 6 7
	ANIMAL ID	0 0 0 0 1	0 0 0 0 2	0 0 0 0 3	0 0 0 0 4	0 0 0 0 5	0 0 0 0 6	0 0 0 0 7	0 0 0 0 8	0 0 0 0 9	0 0 0 1 0	0 0 0 1	0 0 0 1 2	0 0 0 1 3	0 0 0 1 4	0 0 0 1 5	0 0 0 1 6	0 0 0 1 7	0 0 0 1 8	0 0 0 1 9	0 0 0 2 0	0 0 0 2 1	0 0 0 2 2	0 0 0 2 3	0 0 0 2 4	0 0 0 2 5	0 0 0 2 6	0 0 0 2 7	0 0 0 2 8	0 0 0 2 9	0 0 0 3 0
Alimentary System																															
NONE Cardiovascular System																															
NONE Endocrine System																															
NONE General Body System																															
NONE Genital System																															
NONE Hematopoietic System																															
NONE Integumentary System																															
Skin Musculoskeletal System		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
NONE Nervous System																															
NONE																															
 *Total animals with tissue exam +Tissue examined microscopical 		Total	l anim	nals w	ith tu	mor										ng tis ysis p		des e	evalua	ation											
XLesion present	-												BLA	NKI																	

I .. Insufficient tissue

Page 2

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

CAS Number: INIT/PROM

Date Report Requested: 10/21/2014 Time Report Requested: 06:26:36 First Dose M/F: NA / NA Lab: BAT

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

B6C3F1 Mouse Male VEHICLE CONTROL	DAY ON TEST ANIMAL ID	0 3 6 3 0 0 0 0 1	0 3 6 3 0 0 0 0 0 2	0 3 6 3 0 0 0 0 0 3	0 3 6 3 0 0 0 0 4	0 3 6 3 0 0 0 0 5	0 3 6 3 0 0 0 0 0 6	0 3 6 4 0 0 0 0 7	0 3 6 4 0 0 0 0 8	0 3 6 4 0 0 0 0 9	0 3 6 4 0 0 0 0 1 0	0 3 6 4 0 0 0 0 1 1	0 3 6 4 0 0 0 0 1 2	0 3 6 5 0 0 0 0 1 3	0 3 6 5 0 0 0 0 1 4	0 3 6 5 0 0 0 1 5	0 3 6 5 0 0 0 1 6	0 3 6 5 0 0 0 0 1 7	0 3 6 5 0 0 0 0 1 8	0 3 6 6 0 0 0 0 1 9	0 3 6 6 0 0 0 2 0	0 3 6 6 0 0 0 2 1	0 3 6 6 0 0 0 2 2	0 3 6 6 0 0 0 2 3	0 3 6 6 0 0 0 2 4	0 3 6 7 0 0 0 2 5	0 3 6 7 0 0 0 2 6	0 3 6 7 0 0 0 2 7	0 3 6 7 0 0 0 2 8	0 3 6 7 0 0 0 2 9	0 3 6 7 0 0 0 3 0
Respiratory System NONE Special Senses System																															
NONE Urinary System																															
NONE SYSTEMIC LESIONS																															
Multiple Organ		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

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

+ ..Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

Experiment Number: 05117-04 Test Type: INIT/PROMOT	1	P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED) Test Compound: Init/prom comparative mouse study (DMBA/TPA/BPO/MNNG)	Date Report Requested: 10/21/2014 Time Report Requested: 06:26:36
Route: SKIN APPLICATION Species/Strain: Mouse/B6C3F1		CAS Number: INIT/PROM	First Dose M/F: NA / NA Lab: BAT
	DAY ON TEST		
B6C3F1 Mouse Male			
VEHICLE CONTROL			
	ANIMAL ID	*TOTALS	
Alimentary System			
NONE Cardiovascular System			
NONE Endocrine System			
NONE General Body System			
NONE Genital System			
NONE Hematopoietic System			
NONE Integumentary System			
Skin Musculoskeletal System		30	
NONE Nervous System			
NONE			

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

+ .. Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

Experiment Number: 05117-04	1	P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)	Date Report Requested: 10/21/2014
Test Type: INIT/PROMOT		Test Compound: Init/prom comparative mouse study (DMBA/TPA/BPO/MNNG)	Time Report Requested: 06:26:36
Route: SKIN APPLICATION		CAS Number: INIT/PROM	First Dose M/F: NA / NA
Species/Strain: Mouse/B6C3F1			Lab: BAT
	DAY ON TEST		
B6C3F1 Mouse Male			
VEHICLE CONTROL			
	ANIMAL ID		
		*TOTALS	
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

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

CAS Number: INIT/PROM

Date Report Requested: 10/21/2014 Time Report Requested: 06:26:36 First Dose M/F: NA / NA Lab: BAT

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

Species/Strain: Mouse/B6C3F	1																						L	.ab:	BAT						
B6C3F1 Mouse Male MNNG 100/ACETONE	DAY ON TEST	0 3 6 3 0 0 0 3 1	0 3 6 3 0 0 0 0 3 2	0 3 6 3 0 0 0 3 3 3	0 3 6 3 0 0 0 0 3 4	0 3 6 3 0 0 0 0 3 5	0 3 6 3 0 0 0 0 3 6	0 3 6 4 0 0 0 3 7	0 3 6 4 0 0 0 3 8	0 3 6 4 0 0 0 3 9	0 3 6 4 0 0 0 0 4 0	0 3 6 4 0 0 0 0 4 1	0 3 6 4 0 0 0 0 4 2	0 3 6 5 0 0 0 4 3	0 3 6 5 0 0 0 0 4 4	0 3 6 5 0 0 0 0 4 5	0 3 6 5 0 0 0 4 6	0 3 6 5 0 0 0 0 4 7	0 3 6 5 0 0 0 4 8	0 3 6 6 0 0 0 4 9	0 3 6 6 0 0 0 5 0	0 3 6 6 0 0 0 5 1	0 3 6 6 0 0 0 5 2	0 3 6 6 0 0 0 5 3	0 3 6 6 0 0 0 5 4	0 3 6 7 0 0 0 5 5	0 3 6 7 0 0 0 5 6	0 3 6 7 0 0 0 0 5 7	0 3 6 7 0 0 0 5 8	0 3 6 7 0 0 0 5 9	0 3 6 7 0 0 0 6 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

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

+ ..Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

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

CAS Number: INIT/PROM

Date Report Requested: 10/21/2014 Time Report Requested: 06:26:36 First Dose M/F: NA / NA Lab: BAT

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

B6C3F1 Mouse Male MNNG 100/ACETONE	DAY ON TEST ANIMAL ID	0 3 6 3 0 0 0 3 1	<i>0</i> <i>3</i> <i>6</i> <i>3</i> 0 0 0 0 3 2	0 3 6 3 0 0 0 3 3 3	0 3 6 3 0 0 0 0 3 4	0 3 6 3 0 0 0 3 5	0 3 6 3 0 0 0 3 6	0 3 6 4 0 0 0 3 7	0 3 6 4 0 0 0 3 8	0 3 6 4 0 0 0 3 9	0 3 6 4 0 0 0 4 0	0 3 6 4 0 0 0 0 4 1	0 3 6 4 0 0 0 4 2	0 3 6 5 0 0 0 4 3	0 3 6 5 0 0 0 4 4	0 3 6 5 0 0 0 4 5	0 3 6 5 0 0 0 4 6	0 3 6 5 0 0 0 4 7	0 3 6 5 0 0 0 4 8	0 3 6 6 0 0 0 4 9	<i>0</i> <i>3</i> <i>6</i> <i>6</i> 0 0 0 5 0	<i>0</i> <i>3</i> <i>6</i> <i>6</i> 0 0 0 5 1	0 3 6 0 0 0 5 2	<i>0</i> <i>3</i> <i>6</i> <i>6</i> 0 0 0 5 3	0 3 6 6 0 0 0 5 4	<i>0</i> <i>3</i> <i>6</i> <i>7</i> 0 0 0 5 5	<i>0</i> <i>3</i> <i>6</i> <i>7</i> 0 0 0 5 6	<i>0</i> <i>3</i> <i>6</i> <i>7</i> 0 0 0 5 7	<i>0</i> <i>3</i> <i>6</i> <i>7</i> 0 0 0 5 8	0 3 6 7 0 0 0 5 9	0 3 6 7 0 0 0 6 0
NONE Respiratory System																															
NONE																															
Special Senses System																															
NONE Urinary System																															
NONE Systemic Lesions																															
Multiple Organ		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

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

+ ..Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

Experiment Number: 05117-04 Test Type: INIT/PROMOT Route: SKIN APPLICATION Species/Strain: Mouse/B6C3F1		P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED) Test Compound: Init/prom comparative mouse study (DMBA/TPA/BPO/MNNG) CAS Number: INIT/PROM
	DAY ON TEST	
B6C3F1 Mouse Male		
MNNG 100/ACETONE		
	ANIMAL ID	
Alimentary System		<u>*TOTALS</u>
NONE Cardiovascular System		
NONE Endocrine System		
NONE General Body System		
NONE Genital System		
NONE Hematopoietic System		
NONE Integumentary System		
Skin		28
Skin, SOA-No Mass		2
Musculoskeletal System		
NONE Nervous System		
NONE		

Date Report Requested: 10/21/2014 Time Report Requested: 06:26:36 First Dose M/F: NA / NA Lab: BAT

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

+ .. Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

Experiment Number: 05117-04	1	P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)	Date Report Requested: 10/21/2014
Test Type: INIT/PROMOT		Test Compound: Init/prom comparative mouse study (DMBA/TPA/BPO/MNNG)	Time Report Requested: 06:26:36
Route: SKIN APPLICATION		CAS Number: INIT/PROM	First Dose M/F: NA / NA
Species/Strain: Mouse/B6C3F1			Lab: BAT
	DAY ON TEST		
B6C3F1 Mouse Male			
MNNG 100/ACETONE			
	ANIMAL ID		
		*TOTALS	
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

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

CAS Number: INIT/PROM

Date Report Requested: 10/21/2014 Time Report Requested: 06:26:36 First Dose M/F: NA / NA Lab: BAT

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

B6C3F1 Mouse Male MNNG 500/ACETONE	DAY ON TEST ANIMAL ID	3 6 3	0 3 6 3 0 0 0 0 6 2	0 3 6 3 0 0 0 0 6 3	0 3 6 3 0 0 0 0 6 4	0 3 6 3 0 0 0 0 6 5	0 3 6 3 0 0 0 0 6 6	0 3 6 4 0 0 0 6 7	0 3 6 4 0 0 0 6 8	0 3 6 4 0 0 0 0 6 9	0 3 6 4 0 0 0 7 0	0 3 6 4 0 0 0 7 1	0 3 6 4 0 0 0 7 2	0 3 6 5 0 0 0 7 3	0 3 6 5 0 0 0 7 4	0 3 6 5 0 0 0 7 5	0 3 6 5 0 0 0 7 6	0 3 6 5 0 0 0 7 7 7	0 3 6 5 0 0 0 7 8	0 3 6 6 0 0 0 7 9	0 3 6 6 0 0 0 8 0	0 3 6 6 0 0 0 8 1	0 3 6 6 0 0 0 8 2	0 3 6 6 0 0 0 8 3	0 3 6 6 0 0 0 0 8 4	0 3 6 7 0 0 0 8 5	0 2 6 6 0 0 0 8 6	0 3 6 7 0 0 0 8 7	0 3 6 7 0 0 0 8 8	0 3 6 7 0 0 0 8 9	0 3 6 7 0 0 0 9 0
Alimentary System												1											1								
NONE Cardiovascular System																															
NONE Endocrine System																															
NONE General Body System																															
NONE Genital System																															
NONE Hematopoietic System																															
NONE Integumentary System																															
Skin Skin, Control Skin, SOA-Mass Subcut Tiss, Sarcoma Skin, SOA-No Mass		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+ X	+	+	+	+

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

+ ..Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

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

CAS Number: INIT/PROM

Date Report Requested: 10/21/2014 Time Report Requested: 06:26:36 First Dose M/F: NA / NA Lab: BAT

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

B6C3F1 Mouse Male MNNG 500/ACETONE	DAY ON TEST	0 3 6 3	0 3 6 3	0 3 6 3	0 3 6 3	0 3 6 3	0 3 6 3	0 3 6 4	0 3 6 4	0 3 6 4	0 3 6 4	0 3 6 4	0 3 6 4	0 3 6 5	0 3 6 5	0 3 6 5	0 3 6 5	0 3 6 5	0 3 6 5	0 3 6 6	0 3 6 6	0 3 6 6	0 3 6 6	0 3 6 6	0 3 6 6	0 3 6 7	0 2 6 6	0 3 6 7	0 3 6 7	0 3 6 7	0 3 6 7
	ANIMAL ID	0 0 6 1	0 0 0 6 2	0 0 0 6 3	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 7 2	0 0 7 3	0 0 0 7 4	0 0 0 7 5	0 0 0 7 6	0 0 7 7	0 0 0 7 8	0 0 0 7 9	0 0 0 8 0	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	0 0 0 8 6	0 0 0 8 7	0 0 8 8	0 0 0 8 9	0 0 0 9 0
Musculoskeletal System																															

NONE

Nervous System

NONE

Respiratory System

NONE

Special Senses System

NONE

Urinary System

NONE

SYSTEMIC LESIONS

Multiple Organ

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

+ .. Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

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

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

CAS Number: INIT/PROM

Date Report Requested: 10/21/2014 Time Report Requested: 06:26:36 First Dose M/F: NA / NA Lab: BAT

DAY ON TEST

B6C3F1 Mouse Male MNNG 500/ACETONE

ANIMAL ID

*TOTALS

	1017
Alimentary System	
NONE	
Cardiovascular System	
NONE	
Endocrine System	
NONE	
General Body System	
NONE	
Genital System	
NONE	
Hematopoietic System	
NONE	
Integumentary System	
Skin	
Skin, Control	
Skin, SOA-Mass	
Subcut Tiss, Sarcoma	
Skin, SOA-No Mass	
Musculoskeletal System	

NONE

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

+ .. Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

Experiment Number: 05117-04 Test Type: INIT/PROMOT Route: SKIN APPLICATION Species/Strain: Mouse/B6C3F1		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: 10/21/2014 Time Report Requested: 06:26:36 First Dose M/F: NA / NA Lab: BAT
	DAY ON TEST		
B6C3F1 Mouse Male			
MNNG 500/ACETONE			
	ANIMAL ID		
		<u>*TOTALS</u>	
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

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

CAS Number: INIT/PROM

Date Report Requested: 10/21/2014 Time Report Requested: 06:26:36 First Dose M/F: NA / NA Lab: BAT

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

B6C3F1 Mouse Male MNNG1000/ACETONE	DAY ON TEST	3 6 3	0 3 6 3 0 0 0 9 2	0 2 1 2 0 0 0 9 3	0 3 6 3 0 0 0 9 4	0 3 6 3 0 0 0 9 5	0 3 6 3 0 0 0 9 6	0 3 6 3 0 0 9 7	0 3 6 4 0 0 0 9 8	0 3 6 4 0 0 9 9	0 3 1 8 0 0 1 0 0	0 3 6 4 0 0 1 0 1	0 3 6 4 0 0 1 0 2	0 3 6 4 0 0 1 0 3	0 3 6 4 0 0 1 0 4	0 3 6 5 0 0 1 0 5	0 3 6 5 0 0 1 0 6	0 3 6 5 0 0 1 0 7	0 3 6 5 0 0 1 0 8	0 3 6 5 0 0 1 0 9	0 3 6 0 0 1 1 0	0 3 6 0 0 1 1 1	0 3 6 6 0 0 1 1 2	0 3 6 6 0 0 1 1 3	0 3 6 6 0 0 1 1 4	0 3 6 7 0 0 1 1 5	0 3 6 7 0 0 1 1 6	0 3 6 7 0 0 1 1 7	0 3 6 7 0 0 1 1 8	0 3 6 7 0 0 1 1 9	0 3 6 7 0 0 1 2 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-Mass				+		+	+				+	+			+	+									+	+	+				
Keratoacanthoma																										Х					
Squamous Cell Carcinoma											Х	Х				V									Х						
Squamous Cell Papilloma Subcut Tiss, Fibrosarcoma							Х									Х															
							Λ																								

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

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

 X ..Lesion present
 BLANK ..Not examined microscopically

 I ..Insufficient tissue
 A ..Autolysis precludes evaluation

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

CAS Number: INIT/PROM

Date Report Requested: 10/21/2014 Time Report Requested: 06:26:37 First Dose M/F: NA / NA Lab: BAT

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

B6C3F1 Mouse Male MNNG1000/ACETONE	DAY ON TEST	3 6 3	0 3 6 3 0 0 0 9 2	0 2 1 2 0 0 0 9 3	0 3 6 3 0 0 0 9 4	0 3 6 3 0 0 0 9 5	0 3 6 3 0 0 0 9 6	0 3 6 3 0 0 0 9 7	0 3 6 4 0 0 0 9 8	0 3 6 4 0 0 0 9 9 9	0 3 1 8 0 0 1 0 0	0 3 6 4 0 0 1 0 1	0 3 6 4 0 0 1 0 2	0 3 6 4 0 0 1 0 3	0 3 6 4 0 0 1 0 4	0 3 6 5 0 0 1 0 5	0 3 6 5 0 0 1 0 6	0 3 6 5 0 0 1 0 7	0 3 6 5 0 0 1 0 8	0 3 6 5 0 0 1 0 9	0 3 6 6 0 0 1 1 0	0 3 6 6 0 0 1 1 1	0 3 6 6 0 0 1 1 2	0 3 6 6 0 0 1 1 3	0 3 6 6 0 0 1 1 4	0 3 6 7 0 0 1 1 5	<i>0</i> <i>3</i> <i>6</i> <i>7</i> 0 0 1 1 6	0 3 6 7 0 0 1 1 7	0 3 6 7 0 0 1 1 8	0 3 6 7 0 0 1 1 9	0 3 6 7 0 0 1 2 0
Subcut Tiss, Sarcoma Skin, SOA-No Mass Subcut Tiss, Sarcoma Musculoskeletal System		+	+	Х	+	+	+	+	+	+	+	+	+	+	X +		+	+	+		+ X	+	+		+		X +				+
NONE Nervous System																															
NONE Respiratory System																															
NONE Special Senses System																															
NONE Urinary System																															
NONE Systemic lesions																															
Multiple Organ		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

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

+ .. Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

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

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

CAS Number: INIT/PROM

Date Report Requested: 10/21/2014 Time Report Requested: 06:26:37 First Dose M/F: NA / NA Lab: BAT

DAY ON TEST

B6C3F1 Mouse Male MNNG1000/ACETONE

ANIMAL ID

*TOTALS

	^1O
Alimentary System	
NONE	
Cardiovascular System	
NONE	
Endocrine System	
NONE	
General Body System	
NONE	
Genital System	
NONE	
Hematopoietic System	
NONE	
Integumentary System	
Skin	
Skin, SOA-Mass Keratoacanthoma	
Squamous Cell Carcinoma	
Squamous Cell Papilloma	
Subcut Tiss, Fibrosarcoma	
Subcut Tiss, Sarcoma	

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

+ .. Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

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

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

CAS Number: INIT/PROM

Date Report Requested: 10/21/2014 Time Report Requested: 06:26:37 First Dose M/F: NA / NA Lab: BAT

DAY ON TEST

B6C3F1 Mouse Male MNNG1000/ACETONE

	ANIMAL ID	
		*TOTALS
Skin, SOA-No Mass		22
Subcut Tiss, Sarcoma		1
Musculoskeletal System		
NONE		
Nervous System		
NONE		
Respiratory System		
NONE		
Special Senses System		
NONE		
Urinary System		
NONE		
SYSTEMIC LESIONS		
Multiple Organ		30

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

+ .. Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

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

CAS Number: INIT/PROM

Date Report Requested: 10/21/2014 Time Report Requested: 06:26:37 First Dose M/F: NA / NA Lab: BAT

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

B6C3F1 Mouse Male TPA 5 COMPLETE	DAY ON TEST ANIMAL ID	3 6 3	0 3 6 3 0 0 1 2 2	0 3 6 3 0 0 1 2 3	0 3 6 3 0 0 1 2 4	0 3 6 3 0 0 1 2 5	0 3 6 3 0 0 1 2 6	0 3 6 4 0 0 1 2 7	0 3 6 4 0 0 1 2 8	0 3 6 4 0 0 1 2 9	0 3 6 4 0 0 1 3 0	0 3 6 4 0 0 1 3 1	0 3 6 4 0 0 1 3 2	0 3 6 5 0 0 1 3 3	0 3 6 5 0 0 1 3 4	0 3 6 5 0 0 1 3 5	0 3 6 5 0 0 1 3 6	0 3 6 5 0 0 1 3 7	0 3 6 5 0 0 1 3 8	0 3 6 6 0 0 1 3 9	0 3 6 6 0 0 1 4 0	0 3 6 6 0 0 1 4 1	0 3 6 6 0 0 1 4 2	0 3 6 6 0 0 1 4 3	0 3 6 6 0 0 1 4 4	0 3 6 7 0 0 1 4 5	0 3 6 7 0 0 1 4 6	0 3 6 7 0 0 1 4 7	0 3 6 7 0 0 1 4 8	0 3 6 7 0 0 1 4 9	0 3 6 7 0 0 1 5 0
Alimentary System																															
NONE Cardiovascular System																															
NONE Endocrine System																															
NONE General Body System																															
NONE Genital System																															
NONE Hematopoietic System																															
NONE Integumentary System																															
Skin, Control Skin, SOA-No Mass Musculoskeletal System		+ +	+ +	+ +	+	+	+ +	+	+	+ +	+	+	+ +	+ +	+ +	+	+	+	+ +	+											

NONE Nervous System

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

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

CAS Number: INIT/PROM

Date Report Requested: 10/21/2014 Time Report Requested: 06:26:37 First Dose M/F: NA / NA Lab: BAT

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

B6C3F1 Mouse Male TPA 5 COMPLETE	DAY ON TEST ANIMAL ID	0 3 6 3 0 0 1 2 1	0 3 6 3 0 0 1 2 2	0 3 6 3 0 0 1 2 3	0 3 6 3 0 0 1 2 4	0 3 6 3 0 0 1 2 5	0 3 6 3 0 0 1 2 6	0 3 6 4 0 0 1 2 7	0 3 6 4 0 0 1 2 8	0 3 6 4 0 0 1 2 9	0 3 6 4 0 0 1 3 0	0 3 6 4 0 0 1 3 1	0 3 6 4 0 0 1 3 2	0 3 6 5 0 0 1 3 3	0 3 6 5 0 0 1 3 4	0 3 6 5 0 0 1 3 5	0 3 6 5 0 0 1 3 6	0 3 6 5 0 0 1 3 7	0 3 6 5 0 0 1 3 8	0 3 6 0 0 1 3 9	0 3 6 0 0 1 4 0	0 3 6 0 0 1 4 1	0 3 6 6 0 0 1 4 2	0 3 6 0 0 1 4 3	0 3 6 0 0 1 4 4	0 3 6 7 0 0 1 4 5	0 3 6 7 0 0 1 4 6	0 3 6 7 0 0 1 4 7	0 3 6 7 0 0 1 4 8	0 3 6 7 0 0 1 4 9	0 3 6 7 0 0 1 5 0
NONE Respiratory System																															
NONE Special Senses System																															
NONE Urinary System																															
NONE SYSTEMIC LESIONS																															
Multiple Organ		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

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

+ ..Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

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

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

CAS Number: INIT/PROM

Date Report Requested: 10/21/2014 Time Report Requested: 06:26:37 First Dose M/F: NA / NA Lab: BAT

B6C3F1 Mouse Male TPA 5 COMPLETE

ANIMAL ID

*TOTALS

	IUIALO
Alimentary System	
NONE Cardiovascular System	
NONE Endocrine System	
NONE General Body System	
NONE Genital System	
NONE Hematopoietic System	
NONE Integumentary System	
Skin, Control Skin, SOA-No Mass Musculoskeletal System	20 30
NONE Nervous System	
NONE	

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

+ ..Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

Experiment Number: 05117-04	4	P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)	Date Report Requested: 10/21/2014
Test Type: INIT/PROMOT		Test Compound: Init/prom comparative mouse study (DMBA/TPA/BPO/MNNG)	Time Report Requested: 06:26:37
Route: SKIN APPLICATION		CAS Number: INIT/PROM	First Dose M/F: NA / NA
Species/Strain: Mouse/B6C3F1			Lab: BAT
	DAY ON TEST		
B6C3F1 Mouse Male			
TPA 5 COMPLETE			
	ANIMAL ID		
		*TOTALS	
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

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

CAS Number: INIT/PROM

Date Report Requested: 10/21/2014 Time Report Requested: 06:26:37 First Dose M/F: NA / NA Lab: BAT

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

DA B6C3F1 Mouse Male MNNG100/COMPLETE	AY ON TEST ANIMAL ID	0 2 8 2 0 0 1 5 1	0 3 6 3 0 0 1 5 2	0 3 0 4 0 0 1 5 3	0 3 6 3 0 0 1 5 4	0 3 6 3 0 0 1 5 5	0 3 6 4 0 0 1 5 6	0 3 6 4 0 0 1 5 7	0 3 6 4 0 0 1 5 8	0 3 6 5 0 0 1 5 9	0 3 6 5 0 0 1 6 0	0 3 1 8 0 0 1 6 1	0 2 9 3 0 0 1 6 2	0 3 4 3 0 0 1 6 3	0 3 6 5 0 0 1 6 4	0 3 6 5 0 0 1 6 5	0 3 3 0 0 0 1 6 6	0 3 3 0 0 0 1 6 7	0 3 6 6 0 0 1 6 8	0 3 5 3 0 0 1 6 9	0 3 6 0 0 1 7 0	0 3 6 6 0 0 1 7 1	0 3 6 7 0 0 1 7 2	0 2 4 5 0 0 1 7 3	0 3 6 7 0 0 1 7 4	0 3 6 7 0 0 1 7 5	0 3 3 0 0 0 1 7 6	0 3 4 3 0 0 1 7 7	0 2 8 2 0 0 0 1 7 8	0 2 8 2 0 0 0 1 7 9	0 2 5 8 0 0 1 8 0
Alimentary System		•			•							•	•											•		•					
NONE Cardiovascular System																															
NONE Endocrine System																															
NONE General Body System																															
NONE Genital System																															
NONE Hematopoietic System																															
NONE Integumentary System																															
Skin, Control			+				+							+	+	+	+			+	+		+					+			
Skin, SOA-Mass Squamous Cell Carcinoma		+ X	+	+ X	+ X	+	+	+	+	+	+	+ X	+	+	+	+ X	+	+ X		+ X	+ X	+ X	+ X	+ X	+ X	+	+	+ X	+ X	+ X	+ X
Squamous Cell Carcinoma, Mu Squamous Cell Papilloma	ltiple		Х			Х	X X	Х	X X	Х	Х		Х	Х	Х		Х									Х	Х				
Subcut Tiss, Squamous Cell Ca	arcinoma						Χ		Λ																	Х					
 *Total animals with tissue examined r +Tissue examined microscopically XLesion present IInsufficient tissue 	nicroscopically; ⁻	Total	anim	als w	rith tu	mor							BLAN		Autoly		reclu														

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

CAS Number: INIT/PROM

Date Report Requested: 10/21/2014 Time Report Requested: 06:26:37 First Dose M/F: NA / NA Lab: BAT

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

B6C3F1 Mouse Male MNNG100/COMPLETE	DAY ON TEST	2 8 2	0 3 6 3 0 0 1 5 2	0 3 0 4 0 0 1 5 3	0 3 6 3 0 0 1 5 4	0 3 6 3 0 0 1 5 5	0 3 6 4 0 0 1 5 6	0 3 6 4 0 0 1 5 7	0 3 6 4 0 0 1 5 8	0 3 6 5 0 0 1 5 9	0 3 6 5 0 0 1 6 0	0 3 1 8 0 0 1 6 1	0 2 9 3 0 0 1 6 2	0 3 4 3 0 0 1 6 3	0 3 6 5 0 0 1 6 4	0 3 6 5 0 0 1 6 5	0 3 3 0 0 0 1 6 6	0 3 3 0 0 0 1 6 7	0 3 6 6 0 0 1 6 8	0 3 5 3 0 0 1 6 9	0 3 6 6 0 0 1 7 0	0 3 6 6 0 0 1 7 1	0 3 6 7 0 0 1 7 2	0 2 4 5 0 0 1 7 3	0 3 6 7 0 0 1 7 4	0 3 6 7 0 0 1 7 5	0 3 3 0 0 0 1 7 6	0 3 4 3 0 0 1 7 7	0 2 8 2 0 0 1 7 8	0 2 8 2 0 0 1 7 9	0 2 5 8 0 0 1 8 0
Skin, SOA-No Mass Musculoskeletal System		+	+	+	+	+	+	+		+	+	•	+		+	+	+		+	+	+	+	+	•	+	+	+	+	+		
NONE Nervous System																															
NONE Respiratory System																															
NONE Special Senses System																															
NONE Urinary System																															
NONE Systemic lesions																															
Multiple Organ		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

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

+ .. Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

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

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

CAS Number: INIT/PROM

Date Report Requested: 10/21/2014 Time Report Requested: 06:26:37 First Dose M/F: NA / NA Lab: BAT

DAY ON TEST

B6C3F1 Mouse Male MNNG100/COMPLETE

ANIMAL ID

***TOTALS**

NONE Cardiovascular System

NONE

Endocrine System

NONE

General Body System

NONE

Genital System

NONE

Hematopoietic System

NONE

Integumentary System

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

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

+ .. Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

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

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

CAS Number: INIT/PROM

Date Report Requested: 10/21/2014 Time Report Requested: 06:26:37 First Dose M/F: NA / NA Lab: BAT

DAY ON TEST

B6C3F1 Mouse Male MNNG100/COMPLETE

ANIMAL ID

***TOTALS**

Muscu	loskeletal	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

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

CAS Number: INIT/PROM

Date Report Requested: 10/21/2014 Time Report Requested: 06:26:37 First Dose M/F: NA / NA Lab: BAT

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

B6C3F1 Mouse Male BPO 20 COMPLETE	DAY ON TEST ANIMAL ID	3 6 3	0 3 6 3 0 0 1 8 2	0 3 6 3 0 0 1 8 3	0 3 6 3 0 0 1 8 4	<i>0</i> <i>3</i> <i>6</i> <i>3</i> 0 0 1 8 5	0 3 6 3 0 0 1 8 6	0 3 6 4 0 0 1 8 7	0 3 6 4 0 0 1 8 8	0 3 6 4 0 0 1 8 9	0 3 6 4 0 0 1 9 0	0 3 6 4 0 0 1 9 1	0 3 6 4 0 0 1 9 2	0 3 6 5 0 0 1 9 3	0 3 6 5 0 0 1 9 4	0 3 6 5 0 0 1 9 5	0 3 6 5 0 0 1 9 6	0 3 6 5 0 0 1 9 7	0 3 6 5 0 0 1 9 8	0 3 6 0 0 1 9 9	0 3 6 6 0 0 2 0 0	0 3 6 6 0 0 2 0 1	0 3 6 6 0 0 2 0 2	0 3 6 0 0 2 0 3	0 3 6 6 0 0 2 0 4	0 3 6 7 0 0 2 0 5	0 3 6 7 0 0 2 0 6	0 3 6 7 0 0 2 0 7	0 3 6 7 0 0 2 0 8	0 3 6 7 0 0 2 0 9	0 3 6 7 0 0 2 1 0
Alimentary System					<u> </u>							_ ·							0												
NONE Cardiovascular System																															
NONE Endocrine System																															
NONE General Body System																															
NONE Genital System																															
NONE Hematopoietic System																															
NONE Integumentary System																															
Skin Skin, Control Skin, SOA-No Mass Musculoskeletal System		+ +	+	+ +	+	+ +	+ +	+	+	+ +	+ +	+ +	+ +	+ +	+ +	+	+	+	+	+	+	+	+	+	+	+ +	+	+	+	+	+ +

NONE

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

+ .. Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

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

CAS Number: INIT/PROM

Date Report Requested: 10/21/2014 Time Report Requested: 06:26:38 First Dose M/F: NA / NA Lab: BAT

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

B6C3F1 Mouse Male BPO 20 COMPLETE	DAY ON TEST ANIMAL ID	0 3 6 3 0 0 1 8 1	0 3 6 3 0 0 1 8 2	0 3 6 3 0 0 1 8 3	0 3 6 3 0 0 1 8 4	0 3 6 3 0 0 1 8 5	0 3 6 3 0 0 1 8 6	0 3 6 4 0 0 1 8 7	0 3 6 4 0 0 1 8 8	0 3 6 4 0 0 1 8 9	0 3 6 4 0 0 1 9 0	0 3 6 4 0 0 1 9 1	0 3 6 4 0 0 1 9 2	0 3 6 5 0 0 1 9 3	0 3 6 5 0 0 1 9 4	0 3 6 5 0 0 1 9 5	0 3 6 5 0 0 1 9 6	0 3 6 5 0 0 1 9 7	0 3 6 5 0 0 1 9 8	0 3 6 0 0 1 9 9	0 3 6 6 0 0 2 0 0	0 3 6 6 0 0 2 0 1	0 3 6 6 0 0 2 0 2	0 3 6 6 0 0 2 0 3	0 3 6 6 0 0 2 0 4	0 3 6 7 0 0 2 0 5	0 3 6 7 0 0 2 0 6	0 3 6 7 0 0 2 0 7	0 3 6 7 0 0 2 0 8	0 3 6 7 0 0 2 0 9	0 3 6 7 0 0 2 1 0
Nervous System																															
NONE Respiratory System																															
NONE Special Senses System																															
NONE Urinary System																															
NONE Systemic lesions																															
Multiple Organ		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

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

+ .. Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

Experiment Number: 05117-04 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
Species/Strain: Mouse/B6C3F1		
	DAY ON TEST	
B6C3F1 Mouse Male		
BPO 20 COMPLETE		
	ANIMAL ID	
		*TOTALS_
Alimentary System		
NONE		
Cardiovascular System		
NONE		
Endocrine System		
NONE		
General Body System		
NONE		
Genital System		
NONE		
Hematopoietic System		
NONE		
Integumentary System		
Skin		6
Skin, Control		12
Skin, SOA-No Mass		24
Musculoskeletal System		
NONE		
Nervous System		

Date Report Requested: 10/21/2014 Time Report Requested: 06:26:38 First Dose M/F: NA / NA Lab: BAT

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

+ .. Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

Experiment Number: 05117-04	4	P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)	Date Report Requested: 10/21/2014
Test Type: INIT/PROMOT		Test Compound: Init/prom comparative mouse study (DMBA/TPA/BPO/MNNG)	Time Report Requested: 06:26:38
Route: SKIN APPLICATION		CAS Number: INIT/PROM	First Dose M/F: NA / NA
Species/Strain: Mouse/B6C3F1			Lab: BAT
	DAY ON TEST		
B6C3F1 Mouse Male			
BPO 20 COMPLETE			
	ANIMAL ID		
		*TOTALS	
NONE			
Respiratory System			
NONE			
Special Senses System			
NONE			
Urinary System			
NONE			
SYSTEMIC LESIONS			
Multiple Organ		30	

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

+ .. Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

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

CAS Number: INIT/PROM

Date Report Requested: 10/21/2014 Time Report Requested: 06:26:38 First Dose M/F: NA / NA Lab: BAT

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

B6C3F1 Mouse Male	DAY ON TEST	0 3 6	0 3 6	0 3 6	0 3 6	0 3 6	0 3 6	0 3 6	0 3 6	0 3 6	0 3 6	0 3 6	0 3 6	0 3 6	0 3 6	0 3 6	0 3 6	0 3 6	0 3 6	0 3 6	0 3 6	0 3 6	0 3 6	0 3 6	0 3 6	0 3 6	0 3 6	0 3 6	0 3 6	0 3 6	0 3 6
MNNG 100/BPO 20	ANIMAL ID	3	3 0 0 2 1 2	3 0 0 2 1 3	3 0 0 2 1 4	3 0 0 2 1 5	3 0 0 2 1 6	4 0 2 1 7	4 0 2 1 8	4 0 2 1 9	4 0 0 2 2 0	4 0 2 2 1	4 0 2 2 2	5 0 2 2 3	5 0 2 2 4	5 0 0 2 2 5	5 0 0 2 2 6	5 0 2 2 7	5 0 2 2 8	6 0 2 2 9	6 0 2 3 0	6 0 2 3 1	6 0 2 3 2	6 0 2 3 3	6 0 2 3 4	7 0 2 3 5	7 0 2 3 6	7 0 2 3 7	7 0 2 3 8	7 0 2 3 9	7 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																															
Skin Skin, Control Skin, SOA-No Mass Musculoskeletal System		+	+ +	+ +	+	+	+	+	+ +	+	+ +	+	+	+	+	+	+ +	+	+	+	+	+ +	+	+	+	+	+	+	+	+	+
NONE																															

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

+ .. Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

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

CAS Number: INIT/PROM

Date Report Requested: 10/21/2014 Time Report Requested: 06:26:38 First Dose M/F: NA / NA Lab: BAT

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

B6C3F1 Mouse Male MNNG 100/BPO 20	DAY ON TEST ANIMAL ID	0 3 6 3 0 0 2 1 1	0 3 6 3 0 0 2 1 2	0 3 6 3 0 0 2 1 3	0 3 6 3 0 0 2 1 4	0 3 6 3 0 0 2 1 5	0 3 6 3 0 0 2 1 6	0 3 6 4 0 0 2 1 7	0 3 6 4 0 0 2 1 8	0 3 6 4 0 0 2 1 9	0 3 6 4 0 0 2 2 0	0 3 6 4 0 0 2 2 1	0 3 6 4 0 0 2 2 2	0 3 6 5 0 0 2 2 3	0 3 6 5 0 0 2 2 4	0 3 6 5 0 0 2 2 5	0 3 6 5 0 0 2 2 6	0 3 6 5 0 0 2 2 7	0 3 6 5 0 0 2 2 8	0 3 6 6 0 0 2 2 9	0 3 6 6 0 0 2 3 0	0 3 6 6 0 2 3 1	0 3 6 6 0 0 2 3 2	0 3 6 6 0 0 2 3 3	0 3 6 6 0 0 2 3 4	0 3 6 7 0 0 2 3 5	0 3 6 7 0 0 2 3 6	0 3 6 7 0 0 2 3 7	0 3 6 7 0 0 2 3 8	0 3 6 7 0 0 2 3 9	0 3 6 7 0 0 2 4 0
Nervous System																															
NONE Respiratory System																															
NONE Special Senses System																															
NONE Urinary System																															
NONE Systemic lesions																															
Multiple Organ		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

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

+ .. Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

Experiment Number: 05117-04 Test Type: INIT/PROMOT Route: SKIN APPLICATION Species/Strain: Mouse/B6C3F1		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: 10/21/2014 Time Report Requested: 06:26:38 First Dose M/F: NA / NA Lab: BAT
	DAY ON TEST		
B6C3F1 Mouse Male			
MNNG 100/BPO 20			
	ANIMAL ID		
		<u>*TOTALS</u>	
Alimentary System			
NONE Cardiovascular System			
NONE Endocrine System			
NONE General Body System			
NONE Genital System			
NONE Hematopoietic System			
NONE Integumentary System			
Skin		8	
Skin, Control		6	
Skin, SOA-No Mass		22	
Musculoskeletal System			
NONE Nervous System			

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

+ .. Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

Experiment Number: 05117-04		P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)	Date Report Requested: 10/21/2014
Test Type: INIT/PROMOT		Test Compound: Init/prom comparative mouse study (DMBA/TPA/BPO/MNNG)	Time Report Requested: 06:26:38
Route: SKIN APPLICATION		CAS Number: INIT/PROM	First Dose M/F: NA / NA
Species/Strain: Mouse/B6C3F1			Lab: BAT
	DAY ON TEST		
B6C3F1 Mouse Male			
MNNG 100/BPO 20			
	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

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

CAS Number: INIT/PROM

Date Report Requested: 10/21/2014 Time Report Requested: 06:26:38 First Dose M/F: NA / NA Lab: BAT

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

																					-							-		-	
	DAY ON TEST	03	0 3	0 3	0 3	0 3	0 3	0 3	0 3	0 3	0 3	0 3	0 3	0 3	0 3	0 3	0 3	0 3	0 3	0 3	0 3	0 3	0 3	0 3	0 3	0 3	0 3	0 3	0 3	0 3	0 3
B6C3F1 Mouse Male MNNG 500/BPO 20	ANIMAL ID	6 3	6 3 0 2 4 2	6 3 0 2 4 3	6 3 0 2 4 4	6 3 0 0 2 4 5	6 3 0 2 4 6	6 4 0 2 4 7	6 4 0 2 4 8	6 4 0 2 4 9	4 3 0 2 5 0	6 4 0 2 5 1	6 4 0 2 5 2	6 5 0 0 2 5 3	6 5 0 2 5 4	6 5 0 2 5 5	6 5 0 2 5 6	6 5 0 2 5 7	6 5 00258	6 6 0 0 2 5 9	6 6 0 2 6 0	6 6 0 0 2 6 1	6 6 0 2 6 2	6 6 0 0 2 6 3	6 6 0 0 2 6 4	6 7 0 2 6 5	6 7 0 2 6 6	6 7 0 2 6 7	6 7 0 2 6 8	6 7 0 2 6 9	6 7 0 2 7 0
Alimentary System																															
NONE Cardiovascular System																															
NONE Endocrine System																															
NONE General Body System																															
NONE Genital System																															
NONE Hematopoietic System																															
NONE Integumentary System																															
Skin										+										+											
Skin, Control Skin, SOA-Mass											+ +			+				+													
Squamous Cell Carcinoma				+ X							т											+								+ X	
Subcut Tiss, Hemangiosar Subcut Tiss, Sarcoma											х											Х									

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

+ .. Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

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

CAS Number: INIT/PROM

Date Report Requested: 10/21/2014 Time Report Requested: 06:26:38 First Dose M/F: NA / NA Lab: BAT

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

B6C3F1 Mouse Male MNNG 500/BPO 20	DAY ON TEST ANIMAL ID	3 6 3	0 3 6 3 0 0 2 4 2	0 3 6 3 0 0 2 4 3	0 3 6 3 0 0 2 4 4	0 3 6 3 0 0 2 4 5	0 3 6 3 0 0 2 4 6	0 3 6 4 0 0 2 4 7	0 3 6 4 0 0 2 4 8	0 3 6 4 0 0 2 4 9	0 3 4 3 0 0 2 5 0	0 3 6 4 0 0 2 5 1	0 3 6 4 0 0 2 5 2	0 3 6 5 0 0 2 5 3	0 3 6 5 0 0 2 5 4	0 3 6 5 0 0 2 5 5	0 3 6 5 0 0 2 5 6	0 3 6 5 0 0 2 5 7	0 3 6 5 0 0 2 5 8	0 3 6 6 0 0 2 5 9	0 3 6 6 0 0 2 6 0	0 3 6 0 0 2 6 1	0 3 6 6 0 0 2 6 2	0 3 6 6 0 0 2 6 3	0 3 6 6 0 0 2 6 4	0 3 6 7 0 0 2 6 5	0 3 6 7 0 0 2 6 6	0 3 6 7 0 0 2 6 7	0 3 6 7 0 0 2 6 8	0 3 6 7 0 0 2 6 9	0 3 6 7 0 0 2 7 0
Skin, SOA-No Mass Musculoskeletal System		+	+	+	+	+	+	+	+		+	+	+	+	+	+	+	+	+		+	+	+	+	+	+	+	+	+		+
NONE Nervous System																															
NONE Respiratory System																															
NONE Special Senses System																															
NONE Urinary System																															
NONE Systemic lesions																															
Multiple Organ		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

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

+ .. Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

Experiment Number: 05117-04 Test Type: INIT/PROMOT Route: SKIN APPLICATION Species/Strain: Mouse/B6C3F1		DIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED) /prom comparative mouse study (DMBA/TPA/BPO/MNNG) CAS Number: INIT/PROM	Date Report Requested: 10/21/2014 Time Report Requested: 06:26:38 First Dose M/F: NA / NA Lab: BAT
DAY ON TEST			
B6C3F1 Mouse Male			
MNNG 500/BPO 20			
ANIMAL ID			
	*TOTALS		
Alimentary System			
NONE Cardiovascular System			
NONE Endocrine System			
NONE General Body System			
NONE Genital System			
NONE Hematopoietic System			
NONE Integumentary System			
Skin	2		
Skin, Control	3		
Skin, SOA-Mass	4		
Squamous Cell Carcinoma	2		
Subcut Tiss, Hemangiosarcoma	1		
Subcut Tiss, Sarcoma	1		
Skin, SOA-No Mass	27		
 Total animals with tissue examined microscopically; To 	tal animals with tumor	MMissing tissue	

+ .. Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

Experiment Number: 05117-04 Test Type: INIT/PROMOT Route: SKIN APPLICATION Species/Strain: Mouse/B6C3F1		P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGE Test Compound: Init/prom comparative mouse study (DMBA/TPA/BPO/MNNG) CAS Number: INIT/PROM	 Date Report Requested: 10/21/2014 Time Report Requested: 06:26:38 First Dose M/F: NA / NA Lab: BAT
	DAY ON TEST		
B6C3F1 Mouse Male			
MNNG 500/BPO 20			
	ANIMAL ID		
		*TOTALS	
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

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

CAS Number: INIT/PROM

Date Report Requested: 10/21/2014 Time Report Requested: 06:26:38 First Dose M/F: NA / NA Lab: BAT

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

B6C3F1 Mouse Male MNNG1000/BPO 20	DAY ON TEST ANIMAL ID	3 6 3	0 3 6 3 0 0 2 7 2	0 3 6 3 0 0 2 7 3	0 3 6 3 0 0 2 7 4	0 3 6 3 0 0 2 7 5	0 3 6 4 0 0 2 7 6	0 3 6 4 0 0 2 7 7 7	0 3 6 4 0 0 2 7 8	0 3 6 4 0 0 2 7 9	0 3 6 4 0 0 2 8 0	0 3 6 4 0 0 2 8 1	<i>0</i> 3 6 5 0 0 2 8 2	0 3 6 5 0 0 2 8 3	0 2 9 0 0 0 2 8 4	0 3 6 5 0 0 2 8 5	0 3 6 5 0 0 2 8 6	0 3 6 5 0 0 2 8 7	0 3 6 5 0 0 2 8 8	0 3 6 0 0 2 8 9	0 3 6 6 0 0 2 9 0	0 2 9 0 0 0 2 9 1	0 3 6 0 0 2 9 2	0 3 6 6 0 0 2 9 3	0 3 6 6 0 0 2 9 4	0 3 6 6 0 0 2 9 5	0 3 6 7 0 0 2 9 6	0 3 6 7 0 0 2 9 7	0 3 6 7 0 0 2 9 8	0 3 6 7 0 0 2 9 9	0 3 6 7 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																															
Skin Skin, Control Skin, SOA-Mass Squamous Cell Carcinoma Squamous Cell Carcinoma Squamous Cell Papilloma					+				+ X	+	+		+	+	+ +		+		+ X	+		+ +			+ + X		+	+ X X	+		

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

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

 X ..Lesion present
 BLANK ..Not examined microscopically

 I ..Insufficient tissue
 A ..Autolysis precludes evaluation

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

CAS Number: INIT/PROM

Date Report Requested: 10/21/2014 Time Report Requested: 06:26:38 First Dose M/F: NA / NA Lab: BAT

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

B6C3F1 Mouse Male MNNG1000/BPO 20	DAY ON TEST ANIMAL ID	3 6 3	0 3 6 3 0 0 2 7 2	0 3 6 3 0 0 2 7 3	0 3 6 3 0 0 2 7 4	0 3 6 3 0 0 2 7 5	0 3 6 4 0 0 2 7 6	0 3 6 4 0 0 2 7 7	0 3 6 4 0 0 2 7 8	0 3 6 4 0 0 2 7 9	0 3 6 4 0 0 2 8 0	0 3 6 4 0 0 2 8 1	0 3 6 5 0 0 2 8 2	0 3 6 5 0 0 2 8 3	0 2 9 0 0 0 2 8 4	0 3 6 5 0 0 2 8 5	0 3 6 5 0 0 2 8 6	0 3 6 5 0 0 2 8 7	0 3 6 5 0 0 2 8 8	0 3 6 6 0 0 2 8 9	0 3 6 6 0 0 2 9 0	<i>0</i> <i>2</i> <i>9</i> <i>0</i> 0 0 2 9 1	0 3 6 6 0 0 2 9 2	0 3 6 6 0 0 2 9 3	0 3 6 6 0 0 2 9 4	0 3 6 6 0 0 2 9 5	0 3 6 7 0 0 2 9 6	0 3 6 7 0 0 2 9 7	0 3 6 7 0 0 2 9 8	0 3 6 7 0 0 2 9 9	0 3 6 7 0 0 3 0 0
Squamous Cell Papilloma, Subcut Tiss, Sarcoma Subcut Tiss, Sarcoma, Mul Skin, SOA-No Mass Musculoskeletal System		+	+	+	х	+	+	+	+	X +		+	+	+	X +	+	+	+	+		+	X +	+	+	+	+	X +		+	+	+
NONE Nervous System																															
NONE Respiratory System																															
NONE Special Senses System																															
NONE Urinary System																															
NONE Systemic lesions																															
Multiple Organ		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

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

+ ..Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

Experiment Number: 05117-04 Test Type: INIT/PROMOT Route: SKIN APPLICATION Species/Strain: Mouse/B6C3F1		Y INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED) I: Init/prom comparative mouse study (DMBA/TPA/BPO/MNNG) CAS Number: INIT/PROM	Date Report Requested: 10/21/2014 Time Report Requested: 06:26:38 First Dose M/F: NA / NA Lab: BAT
DAY ON T	EST		
B6C3F1 Mouse Male			
MNNG1000/BPO 20			
ANIMA	AL ID		
	*TOTALS		
Alimentary System			
NONE Cardiovascular System			
NONE Endocrine System			
NONE General Body System			
NONE Genital System			
NONE Hematopoietic System			
NONE Integumentary System			
Skin	3		
Skin, Control	3		
Skin, SOA-Mass	12		
Squamous Cell Carcinoma	1		
Squamous Cell Carcinoma, Multiple	1		
Squamous Cell Papilloma	3		
Squamous Cell Papilloma, Multiple	1		
*Total animals with tissue examined microscop	ically; Total animals with tumor	MMissing tissue	

+ .. Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

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

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: 10/21/2014 Time Report Requested: 06:26:39 First Dose M/F: NA / NA Lab: BAT

	TEST
DAI	

B6C3F1 Mouse Male MNNG1000/BPO 20

	ANIMAL ID	
		*TOTALS
Subcut Tiss, Sarcoma		3
Subcut Tiss, Sarcoma, Multiple		1
Skin, SOA-No Mass		26
Musculoskeletal System		
NONE		
Nervous System		
NONE		
Respiratory System		
NONE		
Special Senses System		
NONE		
Urinary System		
NONE		
SYSTEMIC LESIONS		
Multiple Organ		30

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

+ ..Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

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

CAS Number: INIT/PROM

Date Report Requested: 10/21/2014 Time Report Requested: 06:26:39 First Dose M/F: NA / NA Lab: BAT

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

B6C3F1 Mouse Male MNNG 100/TPA 5	DAY ON TEST ANIMAL ID	0 3 6 3 0 0 3 0 1	0 3 6 3 0 0 3 0 2	0 3 6 3 0 0 3 0 3	0 3 6 3 0 0 3 0 4	0 3 6 3 0 0 3 0 5	0 3 6 3 0 0 3 0 6	0 3 6 4 0 0 3 0 7	0 3 6 4 0 0 3 0 8	0 3 4 3 0 0 3 0 9	0 3 6 4 0 0 3 1 0	0 3 6 4 0 0 3 1 1	0 3 6 4 0 0 3 1 2	0 3 6 4 0 0 3 1 3	0 3 6 5 0 0 3 1 4	0 3 6 5 0 0 3 1 5	0 3 6 5 0 0 3 1 6	0 3 6 5 0 0 3 1 7	0 3 6 5 0 0 3 1 8	0 3 6 5 0 0 3 1 9	0 3 6 6 0 0 3 2 0	0 3 6 6 0 0 3 2 1	0 3 6 6 0 0 3 2 2	0 3 6 6 0 0 3 2 3	0 3 6 6 0 0 3 2 4	0 3 6 7 0 0 3 2 5	0 3 6 7 0 0 3 2 6	0 3 6 7 0 0 3 2 7	0 3 6 7 0 0 3 2 8	0 3 6 7 0 0 3 2 9	0 3 6 7 0 0 3 3 0
Alimentary System																															
NONE Cardiovascular System																															
NONE Endocrine System																															
NONE General Body System																															
NONE Genital System																															
NONE Hematopoietic System																															
NONE Integumentary System																															
Skin Skin, Control Skin, SOA-Mass Squamous Cell Papilloma Squamous Cell Papilloma, M Subcut Tiss, Sarcoma	lultiple		+	+		+ X	+ X	+		+ X		+ X	+			+	+	+	+ X				+	+ X		+ X		+ X	+		

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

+ .. Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

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

CAS Number: INIT/PROM

Date Report Requested: 10/21/2014 Time Report Requested: 06:26:39 First Dose M/F: NA / NA Lab: BAT

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

B6C3F1 Mouse Male MNNG 100/TPA 5	DAY ON TEST ANIMAL ID	3 6 3	0 3 6 3 0 0 3 0 2	0 3 6 3 0 0 3 0 3	0 3 6 3 0 0 3 0 4	0 3 6 3 0 0 3 0 5	0 3 6 3 0 0 3 0 6	0 3 6 4 0 0 3 0 7	0 3 6 4 0 0 3 0 8	0 3 4 3 0 0 3 0 9	0 3 6 4 0 0 3 1 0	0 3 6 4 0 0 3 1 1	0 3 6 4 0 0 3 1 2	0 3 6 4 0 0 3 1 3	0 3 6 5 0 0 3 1 4	0 3 6 5 0 0 3 1 5	0 3 6 5 0 0 3 1 6	0 3 6 5 0 0 3 1 7	0 3 6 5 0 0 3 1 8	0 3 6 5 0 0 3 1 9	0 3 6 6 0 0 3 2 0	0 3 6 6 0 0 3 2 1	0 3 6 6 0 0 3 2 2	0 3 6 6 0 0 3 2 3	0 3 6 6 0 0 3 2 4	0 3 6 7 0 0 3 2 5	0 3 6 7 0 0 3 2 6	0 3 6 7 0 0 3 2 7	0 3 6 7 0 0 3 2 8	0 3 6 7 0 0 3 2 9	0 3 6 7 0 0 3 3 0
Skin, SOA-No Mass Musculoskeletal System		+	+		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
NONE Nervous System																															
NONE Respiratory System																															
NONE Special Senses System																															
NONE Urinary System																															
NONE Systemic lesions																															
Multiple Organ		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

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

+ .. Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

Test Type: NIT/PROMOT Test Compound: Intigram comparative mouse study (DMBA/TPA/BPO/MNNG) Time Report Requested: 68:28 Frst Does WF: NA / NA Lab: BAT DAY ON TEST B6C3F1 Mouse Male MNNG 100/TPA 5 ANIMAL ID TOTALS Alimentary System NONE Cardiovascular System NONE General Body System NONE General Body System NONE General System MING S	Experiment Number: 05117-04		BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)	Date Report Requested: 10/21/2014
Species/Strain: Mouse/B0G3F1 Lab: BAT DAY ON TEST BGG3F1 Mouse Male MNNG 100/TPA 3 Almenta 5 Almonta 100/TPA 3 NONE Endercline System NONE General Body System NONE Hematopoitic System NONE Skin 1 Skin 1 Skin 1 Skin 1 Skin 201/Test 20		Test Compound		Time Report Requested: 06:26:39
DAY ON TEST BGC3F1 Mouse Male MNNG 100/TPA 5 Allmentary System NONE Cardiovascular System NONE Cardiovascular System NONE General Body System NONE General Body System NONE Mematopoietic System NONE Integumentary System Skin, Control 1 Skin, 01 1 Skin, SOA-Mass 9 Squamous Cell Papilloma, Multiple 2 Subcut Tiss, Sarcoma 1 Skin, SOA-No Mass 29			CAS NUMBER: INIT/PROM	
BeC3F1 Mouse Male MNNG 100/TPA 5 Alimentary System NONE Cardiovascular System NONE Ceneral Body System NONE General Body System NONE Hematopoletic System NONE Hematopoletic System Skin 1 Skin 1 Skin 20trol 7 Skin 20t	Species/Strain. Mouse/BoC3FT			LaD. DAT
MNNG 100TPA 5 AIIMAL ID *TOTALS Alimentary System NONE Caralovascular System NONE Careral Body System NONE Genetal System NONE Hematopoietic System NONE Hematopoietic System Skin, Control 1 Skin, SoA-Mass 9 Squamous Cell Papilloma 5 Squamous Cell Papilloma 1 Stin, SoA-No Mass 20	DAY ON TE	ST		
ANIMAL ID TOTALS Alimentary System NONE Cardiovascular System NONE General Body System NONE Genital System NONE Hematopoletic System NONE Integumentary System Skin, Control 1 Skin, SOA-Mass 2 Sugamous Cell Papilloma, Multiple 2 Subout Tiss, Sarooma 1 Skin, SOA-No Mass 29	B6C3F1 Mouse Male			
Alimentary System Alimentary System Anne Cardiovascular System Anne General Body System ONR General Body System NOR Hematopoietic System NONE Integumentary System Skin, Control 1 Skin, Control 2 Subout Tiss, Sarcoma 1 Skin, SOA-No Mass 29	MNNG 100/TPA 5			
Alimentary System NONE Cardiovascular System NONE Endocrine System NONE General Body System NONE Genital System NONE Hematopoletic System NONE Integumentary System Skin Control 1 Skin Control 2 Skin SoA-Mass 9 Squamous Cell Papilloma 5 Squamous Ce	ANIMAL	_ ID		
Alimentary System NONE Cardiovascular System NONE Endocrine System NONE General Body System NONE Genital System NONE Integumentary System NONE Integumentary System Skin 1 Skin, Control 7 Skin, SOA-Mass 9 Squamous Cell Papilloma 5 Subcut Tiss, Sarcoma 1 Skin, SOA-No Mass 2		*TOTALS		
Cardiovascular System NONE Endocrine System NONE General Body System NONE ferital System NONE Hematopoietic System NONE Skin Control 1 Skin Control 7 Skin SOA-Mass 9 Squamous Cell Papilloma Multiple 2 Supamous Cell Papilloma Multiple 2 Subot Rasa 1 Skin SOA-No Mass 29	Alimentary System			
Cardiovascular System NONE Endocrine System NONE General Body System NONE ferital System NONE Hematopoietic System NONE NoNE Skin 01 Skin 011 Skin 0.0trol 7 Skin 01 Skin 0.0trol 7 Skin 0.0tr	NONE			
Endocrine System NONE General Body System NONE Genital System NONE Hematopoietic System NONE Skin Control 1 Skin, Control 7 Skin, SOA-Mass 9 Squamous Cell Papilloma, Multiple 2 Subcut Tiss, Sarcoma 1 Skin, SOA-No Mass 29				
Endocrine System NONE General Body System NONE Genital System NONE Hematopoietic System NONE Skin Control 1 Skin, Control 7 Skin, SOA-Mass 9 Squamous Cell Papilloma, Multiple 2 Subcut Tiss, Sarcoma 1 Skin, SOA-No Mass 29	NONE			
NONE Genital System NONE Genital System NONE Hematopoietic System NONE Integumentary System Skin, Control 7 Skin, SOA-Mass 9 Squamous Cell Papilloma 5 Squamous Cell Papilloma 5 Squamous Cell Papilloma 1 Skin, SOA-No Mass 29				
General Body System NONE Bematopoietic System NONE Integumentary System Skin 1 Skin 1 Skin, Control 7 Skin, SOA-Mass 9 Squamous Cell Papilloma, Multiple 2 Subcut Tiss, Sarcoma 1 Skin, SOA-No Mass 29	-			
NONE Hematopoietic System NONE Hematopoietic System NONE Integumentary System Skin 1 Skin, Control 7 Skin, SOA-Mass 9 Squamous Cell Papilloma 5 Squamous Cell Papilloma 1 Skin, SOA-No Mass 29				
Genital System NONE Hematopoietic System NONE Integumentary System Skin 1 Skin, Control 7 Skin, SOA-Mass 9 Squamous Cell Papilloma 5 Squamous Cell Papilloma 5 Squamous Cell Papilloma 1 Skin, SOA-No Mass 2				
NONE Hematopoietic System NONE Integumentary System Skin 1 Skin, Control 7 Skin, SOA-Mass 9 Squamous Cell Papilloma 5 Squamous Cell Papilloma 5 Squamous Cell Papilloma 1 Skin, SOA-No Mass 29				
Hematopoietic System NONE Integumentary System Skin Control 7 Skin, SOA-Mass 9 Squamous Cell Papilloma 5 Squamous Cell Papilloma, Multiple 2 Subcut Tiss, Sarcoma 1 Skin, SOA-No Mass 29	Genital System			
NONEIntegumentary SystemSkin1Skin, Control7Skin, SOA-Mass9Squamous Cell Papilloma5Squamous Cell Papilloma, Multiple2Subcut Tiss, Sarcoma1Skin, SOA-No Mass29				
Integumentary SystemSkin1Skin, Control7Skin, SOA-Mass9Squamous Cell Papilloma5Squamous Cell Papilloma, Multiple2Subcut Tiss, Sarcoma1Skin, SOA-No Mass29	Hematopoietic System			
Skin1Skin, Control7Skin, SOA-Mass9Squamous Cell Papilloma5Squamous Cell Papilloma, Multiple2Subcut Tiss, Sarcoma1Skin, SOA-No Mass29	NONE			
Skin, Control7Skin, SOA-Mass9Squamous Cell Papilloma5Squamous Cell Papilloma, Multiple2Subcut Tiss, Sarcoma1Skin, SOA-No Mass29	Integumentary System			
Skin, Control7Skin, SOA-Mass9Squamous Cell Papilloma5Squamous Cell Papilloma, Multiple2Subcut Tiss, Sarcoma1Skin, SOA-No Mass29	Skin	1		
Squamous Cell Papilloma, Multiple5Squamous Cell Papilloma, Multiple2Subcut Tiss, Sarcoma1Skin, SOA-No Mass29		7		
Squamous Cell Papilloma, Multiple2Subcut Tiss, Sarcoma1Skin, SOA-No Mass29	Skin, SOA-Mass	9		
Subcut Tiss, Sarcoma1Skin, SOA-No Mass29	Squamous Cell Papilloma	5		
Skin, SOA-No Mass 29	Squamous Cell Papilloma, Multiple	2		
	Subcut Tiss, Sarcoma	1		
*Total animals with tissue examined microscopically; Total animals with tumor MMissing tissue	Skin, SOA-No Mass	29		
*Total animals with tissue examined microscopically; Total animals with tumor MMissing tissue				
* Total animals with tissue examined microscopically; Total animals with tumor M Missing tissue				
	* Total animals with tissue examined microscopic	ally; Total animals with tumor	MMissing tissue	

+ .. Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

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

Experiment Number: 05117-04 Test Type: INIT/PROMOT Route: SKIN APPLICATION Species/Strain: Mouse/B6C3F1		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: 10/21/2014 Time Report Requested: 06:26:39 First Dose M/F: NA / NA Lab: BAT
	DAY ON TEST		
B6C3F1 Mouse Male			
MNNG 100/TPA 5			
	ANIMAL ID		
		*TOTALS	
Musculoskeletal System			
NONE Nervous System			
NONE Respiratory System			
NONE Special Senses System			
NONE Urinary System			
NONE SYSTEMIC LESIONS			
Multiple Organ		30	

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

+ .. Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

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

CAS Number: INIT/PROM

Date Report Requested: 10/21/2014 Time Report Requested: 06:26:39 First Dose M/F: NA / NA Lab: BAT

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

B6C3F1 Mouse Male MNNG1000/TPA 5	DAY ON TEST ANIMAL ID	0 3 6 3 0 0 3 3 1	0 2 6 8 0 0 3 3 2	0 3 6 3 0 0 3 3 3 3	0 3 6 3 0 0 3 3 4	0 2 7 0 0 3 3 5	0 2 7 0 0 3 3 6	0 3 1 8 0 0 3 3 7	0 3 6 4 0 0 3 3 8	0 2 7 0 0 3 3 9	0 3 6 4 0 0 3 4 0	0 3 0 4 0 3 4 1	0 3 4 9 0 0 3 4 2	0 3 6 4 0 0 3 4 3	0 3 6 5 0 0 3 4 4	0 3 6 5 0 0 3 4 5	0 3 6 5 0 0 3 4 6	0 3 6 0 0 3 4 7	0 2 8 2 0 0 3 4 8	0 1 6 5 0 0 3 4 9	0 3 6 0 0 3 5 0	0 3 6 0 0 3 5 1	0 1 9 5 0 0 3 5 2	0 2 6 0 0 3 5 3	0 3 1 8 0 0 3 5 4	0 3 6 0 0 3 5 5	0 3 6 7 0 0 3 5 6	0 3 4 3 0 0 3 5 7	0 3 6 7 0 0 3 5 8	0 3 6 7 0 0 3 5 9	0 2 6 6 0 0 3 6 0
Alimentary System																															
NONE Cardiovascular System																															
NONE Endocrine System																															
NONE General Body System																															
NONE Genital System																															
NONE Hematopoietic System																															
NONE Integumentary System																															
Skin, Control Skin, SOA-Mass Squamous Cell Carcinoma Squamous Cell Carcinoma Squamous Cell Papilloma Squamous Cell Papilloma,	, Multiple	+ X	+ +	+ X		+	+ + X	+ X X		+ +	+	+ +	+ +		+ X		+ X	+	+ +	+ +		+	+ X	+ +	+			+ + X X		+ X	+

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

+ .. Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

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

CAS Number: INIT/PROM

Date Report Requested: 10/21/2014 Time Report Requested: 06:26:39 First Dose M/F: NA / NA Lab: BAT

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

B6C3F1 Mouse Male MNNG1000/TPA 5	DAY ON TEST ANIMAL ID	3 6 3	0 2 6 8 0 0 3 3 2	0 3 6 3 0 0 3 3 3 3	0 3 6 3 0 0 3 3 4	0 2 7 0 0 3 3 5	0 2 7 0 0 3 3 6	0 3 1 8 0 0 3 3 7	0 3 6 4 0 0 3 3 8	0 2 7 0 0 3 3 9	0 3 6 4 0 0 3 4 0	0 3 0 4 0 0 3 4 1	0 3 4 9 0 0 3 4 2	0 3 6 4 0 0 3 4 3	0 3 6 5 0 0 3 4 4	0 3 6 5 0 0 3 4 5	0 3 6 5 0 0 3 4 6	0 3 6 6 0 0 3 4 7	0 2 8 2 0 0 3 4 8	0 1 6 5 0 0 3 4 9	0 3 6 6 0 0 3 5 0	0 3 6 0 0 3 5 1	0 1 9 5 0 0 3 5 2	0 2 6 6 0 0 3 5 3	0 3 1 8 0 0 3 5 4	0 3 6 6 0 0 3 5 5 5	0 3 6 7 0 0 3 5 6	0 3 4 3 0 0 3 5 7	0 3 6 7 0 0 3 5 8	0 3 6 7 0 0 3 5 9	0 2 6 6 0 0 3 6 0
Subcut Tiss, Sarcoma	<i></i>	Х	Х			V				Х		Х	Х						Х	V				Х	Х			Х			Х
Subcut Tiss, Sarcoma, Mul Trichoepithelioma	tiple			х		Х					Х									Х											
Skin, SOA-No Mass		+	+	+	+	+	+	+	+	+	+	+	+	+		+	+	+	+	+	+	+	+	+		+	+	+	+	+	+
Subcut Tiss, Lymphangiom Subcut Tiss, Lymphangiosa Musculoskeletal System														Х												х					
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
 A ..Autolysis precludes evaluation
 X ..Lesion present
 BLANK ..Not examined microscopically
 I ..Insufficient tissue

Experiment Number: 05117-04 Test Type: INIT/PROMOT Route: SKIN APPLICATION Species/Strain: Mouse/B6C3F1		BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED) d: Init/prom comparative mouse study (DMBA/TPA/BPO/MNNG) CAS Number: INIT/PROM	Date Report Requested: 10/21/2014 Time Report Requested: 06:26:39 First Dose M/F: NA / NA Lab: BAT
DAY ON TE	ST		
B6C3F1 Mouse Male			
MNNG1000/TPA 5			
ANIMAL	. ID		
	*TOTALS		
Alimentary System			
NONE Cardiovascular System			
NONE Endocrine System			
NONE General Body System			
NONE Genital System			
NONE Hematopoietic System			
NONE Integumentary System			
Skin, Control	9		
Skin, SOA-Mass	22		
Squamous Cell Carcinoma	4		
Squamous Cell Carcinoma, Multiple	1		
Squamous Cell Papilloma	3		
Squamous Cell Papilloma, Multiple	3		
Subcut Tiss, Sarcoma	10		
*Total animals with tissue examined microscopica	allv: Total animals with tumor	MMissing tissue	

+ .. Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

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

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: 10/21/2014 Time Report Requested: 06:26:39 First Dose M/F: NA / NA Lab: BAT

DAY ON TEST

B6C3F1 Mouse Male MNNG1000/TPA 5

ANIMAL ID

	*TOTALS
Subcut Tiss, Sarcoma, Multiple	2
Trichoepithelioma	2
Skin, SOA-No Mass	28
Subcut Tiss, Lymphangioma	1
Subcut Tiss, Lymphangiosarcoma	1
Musculoskeletal System	
NONE	
Nervous System	
NONE	
Respiratory System	
NONE	
Special Senses System	
NONE	
Urinary System	
NONE	
SYSTEMIC LESIONS	

Multiple Organ

30

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

+ .. Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

Experiment Number: 05117-04		P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED
Test Type: INIT/PROMOT Route: SKIN APPLICATION Species/Strain: Mouse/B6C3F1		Test Compound: Init/prom comparative mouse study (DMBA/TPA/BPO/MNNG) CAS Number: INIT/PROM
	DAY ON TEST	
B6C3F1 Mouse Male		
SENTINEL MALE		
	ANIMAL ID	
		*TOTALS
Alimentary System		
NONE Cardiovascular System		
NONE Endocrine System		
NONE General Body System		
NONE Conital Sustam		
Genital System		
NONE Hematopoietic System		
NONE		
Integumentary System		
NONE Musculoskeletal System		
NONE		
Nervous System		
NONE		
*Total animals with tissue examin		
+ Tissue examined microscopically	1	AAutolysis precludes evaluation

X ..Lesion present

I .. Insufficient tissue

Page 50

BLANK .. Not examined microscopically

Date Report Requested: 10/21/2014

Time Report Requested: 06:26:39

First Dose M/F: NA / NA

Lab: BAT

Experiment Number: 05117-04 Test Type: INIT/PROMOT Route: SKIN APPLICATION Species/Strain: Mouse/B6C3F1		P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDG Test Compound: Init/prom comparative mouse study (DMBA/TPA/BPO/MNNG) CAS Number: INIT/PROM	
	DAY ON TEST		
B6C3F1 Mouse Male SENTINEL MALE			
	ANIMAL ID		
		*TOTALS	
Respiratory System			
NONE Special Senses System			
NONE Urinary System			
NONE Systemic lesions			
Multiple Organ		0 ***END OF MALE DATA***	

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

+ .. Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

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

CAS Number: INIT/PROM

Date Report Requested: 10/21/2014 Time Report Requested: 06:26:39 First Dose M/F: NA / NA Lab: BAT

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

B6C3F1 Mouse Female VEHICLE CONTROL	DAY ON TEST	3 6 3	0 3 6 3 0 0 3 6 2	0 3 6 3 0 0 3 6 3	0 3 6 3 0 0 3 6 4	0 3 6 3 0 0 3 6 5	0 3 6 3 0 0 3 6 6	0 3 6 4 0 0 3 6 7	0 3 6 4 0 0 3 6 8	0 3 6 4 0 0 3 6 9	0 3 6 4 0 0 3 7 0	0 3 6 4 0 0 3 7 1	0 3 6 4 0 0 3 7 2	0 3 6 5 0 0 3 7 3	0 3 6 5 0 0 3 7 4	0 3 6 5 0 0 3 7 5	0 3 6 5 0 0 3 7 6	0 3 6 5 0 0 3 7 7	0 3 6 5 0 0 3 7 8	0 3 6 6 0 0 3 7 9	0 3 6 6 0 0 3 8 0	0 3 6 6 0 3 8 1	0 3 6 6 0 0 3 8 2	0 3 6 6 0 0 3 8 3	0 3 6 6 0 0 3 8 4	0 3 6 7 0 0 3 8 5	0 3 6 7 0 0 3 8 6	0 3 6 7 0 0 3 8 7	0 3 6 7 0 0 3 8 8 8	0 3 6 7 0 0 3 8 9	0 3 6 7 0 0 3 9 0
Alimentary System																															
NONE Cardiovascular System																															
NONE Endocrine System																															
NONE General Body System																															
NONE Genital System																															
NONE Hematopoietic System																															
NONE Integumentary System																															
Skin Musculoskeletal System		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
NONE Nervous System																															
NONE																															
 *Total animals with tissue examine +Tissue examined microscopically XLesion present IInsufficient tissue 		Total	anim	als w	rith tu	mor							BLAN	AA	Autoly	ng tis: vsis p kamin	reclu														

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

CAS Number: INIT/PROM

Date Report Requested: 10/21/2014 Time Report Requested: 06:26:39 First Dose M/F: NA / NA Lab: BAT

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

D. B6C3F1 Mouse Female VEHICLE CONTROL	AY ON TEST	0 3 6 3 0 0 3 6 1	0 3 6 3 0 0 3 6 2	0 3 6 3 0 0 3 6 3	0 3 6 3 0 0 3 6 4	0 3 6 3 0 0 3 6 5	0 3 6 3 0 0 3 6 6	0 3 6 4 0 0 3 6 7	0 3 6 4 0 0 3 6 8	0 3 6 4 0 0 3 6 9	0 3 6 4 0 0 3 7 0	0 3 6 4 0 0 3 7 1	0 3 6 4 0 0 3 7 2	0 3 6 5 0 0 3 7 3	0 3 6 5 0 0 3 7 4	0 3 6 5 0 0 3 7 5	0 3 6 5 0 0 3 7 6	0 3 6 5 0 0 3 7 7	0 3 6 5 0 0 3 7 8	0 3 6 6 0 0 3 7 9	0 3 6 6 0 0 3 8 0	0 3 6 6 0 0 3 8 1	0 3 6 6 0 0 3 8 2	0 3 6 6 0 0 3 8 3	0 3 6 6 0 0 3 8 4	0 3 6 7 0 0 3 8 5	0 3 6 7 0 0 3 8 6	0 3 6 7 0 0 3 8 7	0 3 6 7 0 0 3 8 8	0 3 6 7 0 0 3 8 9	0 3 6 7 0 0 3 9 0
Respiratory System NONE Special Senses System																															
NONE Urinary System																															
NONE SYSTEMIC LESIONS																															
Multiple Organ		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

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

+ .. Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

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

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

CAS Number: INIT/PROM

Date Report Requested: 10/21/2014 Time Report Requested: 06:26:39 First Dose M/F: NA / NA Lab: BAT

DAY ON TEST

B6C3F1 Mouse Female VEHICLE CONTROL

ANIMAL ID

*TOTALS

Alimentary System	
NONE Cardiovascular System	
NONE Endocrine System	
NONE General Body System	
NONE Genital System	
NONE Hematopoietic System	
NONE Integumentary System	
Skin Musculoskeletal System	30
NONE Nervous System	
NONE	

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

+ .. Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

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

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

CAS Number: INIT/PROM

Date Report Requested: 10/21/2014 Time Report Requested: 06:26:39 First Dose M/F: NA / NA Lab: BAT

DAY ON TEST

B6C3F1 Mouse Female VEHICLE CONTROL

ANIMAL ID

***TOTALS**

Respiratory System

NONE Special Senses System

NONE

Urinary System

NONE SYSTEMIC LESIONS

Multiple Organ

30

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

+ ..Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

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

CAS Number: INIT/PROM

Date Report Requested: 10/21/2014 Time Report Requested: 06:26:39 First Dose M/F: NA / NA Lab: BAT

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

B6C3F1 Mouse Female MNNG 100/ACETONE	DAY ON TEST e ANIMAL ID	0 3 6 3 0 0 3 9 1	0 3 6 3 0 0 3 9 2	0 3 6 3 0 0 3 9 3	0 3 6 3 0 0 3 9 4	0 3 6 3 0 0 3 9 5	0 3 6 3 0 0 3 9 6	0 3 6 4 0 0 3 9 7	0 3 6 4 0 0 3 9 8	0 3 6 4 0 0 3 9 9	0 3 6 4 0 0 4 0 0	0 3 6 4 0 0 4 0 1	0 3 6 4 0 0 4 0 2	0 3 6 5 0 0 4 0 3	0 3 6 5 0 0 4 0 4 0 4	0 3 6 5 0 0 4 0 5	0 3 6 5 0 0 4 0 6	0 3 6 5 0 0 4 0 7	0 3 6 5 0 0 4 0 8	0 3 6 6 0 0 4 0 9	0 3 6 6 0 0 4 1 0	0 3 6 6 0 0 4 1 1	0 3 6 6 0 0 4 1 2	0 3 6 6 0 0 4 1 3	0 3 6 6 0 0 4 1 4	0 3 6 7 0 0 4 1 5	0 3 6 7 0 0 4 1 6	0 3 6 7 0 0 4 1 7	0 3 6 7 0 0 4 1 8	0 3 6 7 0 0 4 1 9	0 3 6 7 0 0 4 2 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																															
 *Total animals with tissue examir +Tissue examined microscopically XLesion present 		Tota	l anim	nals w	vith tu	mor							BLAN		Autoly	ng tis /sis p kamin	reclu														

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

CAS Number: INIT/PROM

Date Report Requested: 10/21/2014 Time Report Requested: 06:26:40 First Dose M/F: NA / NA Lab: BAT

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

B6C3F1 Mouse Female MNNG 100/ACETONE	DAY ON TEST	3 6 3	0 3 6 3 0 0 3 9 2	0 3 6 3 0 0 3 9 3	0 3 6 3 0 0 3 9 4	0 3 6 3 0 0 3 9 5	0 3 6 3 0 0 3 9 6	0 3 6 4 0 0 3 9 7	0 3 6 4 0 0 3 9 8	0 3 6 4 0 0 3 9 9	0 3 6 4 0 0 4 0 0	0 3 6 4 0 0 4 0 1	0 3 6 4 0 0 4 0 2	0 3 6 5 0 0 4 0 3	0 3 6 5 0 0 4 0 4 0 4	0 3 6 5 0 0 4 0 5	0 3 6 5 0 0 4 0 6	0 3 6 5 0 0 4 0 7	0 3 6 5 0 0 4 0 8	0 3 6 6 0 0 4 0 9	0 3 6 6 0 0 4 1 0	0 3 6 6 0 0 4 1 1	0 3 6 6 0 0 4 1 2	0 3 6 6 0 0 4 1 3	0 3 6 6 0 0 4 1 4	0 3 6 7 0 0 4 1 5	0 3 6 7 0 0 4 1 6	0 3 6 7 0 0 4 1 7	0 3 6 7 0 0 4 1 8	0 3 6 7 0 0 4 1 9	0 3 6 7 0 0 4 2 0
NONE Respiratory System NONE																															
Special Senses System																															
NONE Urinary System																															
NONE Systemic Lesions																															
Multiple Organ		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

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

+ .. Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

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

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

CAS Number: INIT/PROM

Date Report Requested: 10/21/2014 Time Report Requested: 06:26:40 First Dose M/F: NA / NA Lab: BAT

DAY ON TEST

B6C3F1 Mouse Female MNNG 100/ACETONE

ANIMAL ID

*TOTALS

Alimentary System	
NONE Cardiovascular System	
NONE	
Endocrine System	
NONE	
General Body System	
NONE	
Genital System	
NONE	
Hematopoietic System	
NONE	
Integumentary System	
Skin	28
Skin, SOA-No Mass	2
Musculoskeletal System	
NONE	
Nervous System	
NONE	

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

+ ..Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

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

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

CAS Number: INIT/PROM

Date Report Requested: 10/21/2014 Time Report Requested: 06:26:40 First Dose M/F: NA / NA Lab: BAT

DAY ON TEST

B6C3F1 Mouse Female MNNG 100/ACETONE

ANIMAL ID

***TOTALS**

Respiratory System

NONE Special Senses System

NONE

Urinary System

NONE SYSTEMIC LESIONS

Multiple Organ

30

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

+ ..Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

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

CAS Number: INIT/PROM

Date Report Requested: 10/21/2014 Time Report Requested: 06:26:40 First Dose M/F: NA / NA Lab: BAT

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

B6C3F1 Mouse Femal MNNG 500/ACETONE	DAY ON TEST e ANIMAL ID	3 6 3	0 3 6 3 0 0 4 2 2	0 3 6 3 0 0 4 2 3	0 3 6 3 0 0 4 2 4	0 3 6 3 0 0 4 2 5	0 3 6 3 0 0 4 2 6	0 3 6 4 0 0 4 2 7	0 3 6 4 0 0 4 2 8	0 3 6 4 0 0 4 2 9	0 3 6 4 0 0 4 3 0	0 3 6 4 0 0 4 3 1	0 3 6 4 0 0 4 3 2	0 3 6 5 0 0 4 3 3	0 3 6 5 0 0 4 3 4	0 3 6 5 0 0 4 3 5	0 3 6 5 0 0 4 3 6	0 3 6 5 0 0 4 3 7	0 3 6 5 0 0 4 3 8	0 3 6 6 0 0 4 3 9	0 3 6 6 0 0 4 4 0	0 3 6 6 0 0 4 4 1	0 3 6 6 0 0 4 4 2	0 3 6 6 0 0 4 4 3	0 3 6 6 0 0 4 4 4 4	0 3 6 7 0 0 4 4 5	0 3 6 7 0 0 4 4 6	0 3 6 7 0 0 4 4 7	0 3 6 7 0 0 4 4 8	0 3 6 7 0 0 4 4 9	0 3 6 7 0 0 4 5 0
Alimentary System				1																				-			-				
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

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

+ ..Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

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

CAS Number: INIT/PROM

Date Report Requested: 10/21/2014 Time Report Requested: 06:26:40 First Dose M/F: NA / NA Lab: BAT

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

D B6C3F1 Mouse Female MNNG 500/ACETONE	AY ON TEST	0 3 6 3 0 0 4 2 1	0 3 6 3 0 0 4 2 2	0 3 6 3 0 0 4 2 3	0 3 6 3 0 0 4 2 4	0 3 6 3 0 0 4 2 5	0 3 6 3 0 0 4 2 6	0 3 6 4 0 0 4 2 7	0 3 6 4 0 0 4 2 8	0 3 6 4 0 0 4 2 9	0 3 6 4 0 0 4 3 0	0 3 6 4 0 0 4 3 1	0 3 6 4 0 0 4 3 2	0 3 6 5 0 0 4 3 3	0 3 6 5 0 0 4 3 4	0 3 6 5 0 0 4 3 5	0 3 6 5 0 0 4 3 6	0 3 6 5 0 0 4 3 7	0 3 6 5 0 0 4 3 8	0 3 6 6 0 0 4 3 9	0 3 6 6 0 0 4 4 0	0 3 6 6 0 0 4 4 1	0 3 6 6 0 0 4 4 2	0 3 6 6 0 0 4 4 3	0 3 6 6 0 0 4 4 4 4	0 3 6 7 0 0 4 4 5	0 3 6 7 0 0 4 4 6	0 3 6 7 0 0 4 4 7	0 3 6 7 0 0 4 4 8	0 3 6 7 0 0 4 4 9	0 3 6 7 0 0 4 5 0
NONE Respiratory System																					-	-		-							
NONE Special Senses System																															
NONE Urinary System																															
NONE Systemic Lesions																															
Multiple Organ		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

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

+ ..Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

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

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

CAS Number: INIT/PROM

Date Report Requested: 10/21/2014 Time Report Requested: 06:26:40 First Dose M/F: NA / NA Lab: BAT

DAY ON TEST

B6C3F1 Mouse Female MNNG 500/ACETONE

ANIMAL ID

*TOTALS

Alimentary System	
NONE	
Cardiovascular System	
NONE	
Endocrine System	
NONE	
General Body System	
NONE	
Genital System	
NONE	
Hematopoietic System	
NONE	
Integumentary System	
Skin	9
Skin, SOA-No Mass	21
Musculoskeletal System	
NONE	
Nervous System	
NONE	

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

+ .. Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

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

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

CAS Number: INIT/PROM

Date Report Requested: 10/21/2014 Time Report Requested: 06:26:40 First Dose M/F: NA / NA Lab: BAT

DAY ON TEST

B6C3F1 Mouse Female MNNG 500/ACETONE

ANIMAL ID

***TOTALS**

Respiratory System

NONE

Special Senses System

NONE Urinary System

NONE SYSTEMIC LESIONS

Multiple Organ

30

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

+ ..Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

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

CAS Number: INIT/PROM

Date Report Requested: 10/21/2014 Time Report Requested: 06:26:40 First Dose M/F: NA / NA Lab: BAT

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

B6C3F1 Mouse Female MNNG1000/ACETONE	2 9 8	0 3 4 9 0 0 4 5 2	0 3 6 3 0 0 4 5 3	0 3 6 3 0 0 4 5 4	0 3 6 3 0 0 4 5 5	0 3 6 3 0 0 4 5 6	0 3 0 4 0 0 4 5 7	0 2 4 5 0 0 4 5 8	0 3 6 3 0 0 4 5 9	0 3 6 4 0 0 4 6 0	0 3 6 4 0 0 4 6 1	0 3 6 4 0 0 4 6 2	0 3 6 4 0 0 4 6 3	0 3 6 4 0 0 4 6 4	0 3 6 5 0 0 4 6 5	0 3 6 5 0 0 4 6 6	0 3 6 5 0 0 4 6 7	0 3 6 5 0 0 4 6 8	0 3 6 6 0 0 4 6 9	0 3 6 6 0 0 4 7 0	0 1 7 7 0 0 4 7 1	0 3 6 6 0 0 4 7 2	0 3 6 6 0 0 4 7 3	0 3 6 7 0 0 4 7 4	0 3 6 7 0 0 4 7 5	0 3 6 7 0 0 4 7 6	0 3 6 7 0 0 4 7 7	0 1 7 7 0 0 4 7 8	0 2 8 2 0 0 4 7 9	0 3 6 7 0 0 4 8 0
Alimentary System						•		•																				•		
NONE Cardiovascular System																														
NONE Endocrine System																														
NONE General Body System																														
NONE Genital System																														
NONE Hematopoietic System																														
NONE Integumentary System																														
Skin Sarcoma Squamous Cell Carcinoma Skin, Control Subcut Tiss, Sarcoma Skin, SOA-Mass	+	+	+	+	+	+	+	+ X + X + X						+	+			+			+	+				+	+	+	+	

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

+ .. Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

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

CAS Number: INIT/PROM

Date Report Requested: 10/21/2014 Time Report Requested: 06:26:40 First Dose M/F: NA / NA Lab: BAT

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

D B6C3F1 Mouse Female MNNG1000/ACETONE	AY ON TEST ANIMAL ID	2 9 8	0 3 4 9 0 0 4 5 2	0 3 6 3 0 0 4 5 3	0 3 6 3 0 0 4 5 4	0 3 6 3 0 0 4 5 5	<i>0</i> <i>3</i> <i>6</i> <i>3</i> 0 0 4 5 6	0 3 0 4 0 0 4 5 7	0 2 4 5 0 0 4 5 8	0 3 6 3 0 0 4 5 9	0 3 6 4 0 0 4 6 0	0 3 6 4 0 0 4 6 1	0 3 6 4 0 0 4 6 2	0 3 6 4 0 0 4 6 3	0 3 6 4 0 0 4 6 4	0 3 6 5 0 0 4 6 5	0 3 6 5 0 0 4 6 6	0 3 6 5 0 0 4 6 7	0 3 6 5 0 0 4 6 8	0 3 6 6 0 0 4 6 9	0 3 6 6 0 0 4 7 0	<i>0</i> <i>1</i> <i>7</i> <i>7</i> 0 0 4 7 1	0 3 6 6 0 0 4 7 2	0 3 6 6 0 0 4 7 3	0 3 6 7 0 0 4 7 4	0 3 6 7 0 0 4 7 5	0 3 6 7 0 0 4 7 6	0 3 6 7 0 0 4 7 7	0 1 7 7 0 0 4 7 8	0 2 8 2 0 0 4 7 9	0 3 6 7 0 0 4 8 0
Squamous Cell Carcinoma Subcut Tiss, Sarcoma		х	Х					х	X							х						Х						х	Х	Х	
Subcut Tiss, Sarcoma, Multiple Skin, SOA-No Mass Musculoskeletal System	9	+	+						X +	+	+	+	+	+		+	+	+		+	+			+	+	+	+	+			+
NONE Nervous System																															
NONE Respiratory System																															
NONE Special Senses System																															
NONE Urinary System																															
NONE SYSTEMIC LESIONS																															
Multiple Organ		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

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

+ ..Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

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

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

CAS Number: INIT/PROM

Date Report Requested: 10/21/2014 Time Report Requested: 06:26:40 First Dose M/F: NA / NA Lab: BAT

DAY ON TEST

B6C3F1 Mouse Female MNNG1000/ACETONE

ANIMAL ID

*TOTALS

Alimentary System
NONE Cardiovascular System
NONE Endocrine System
NONE General Body System
NONE Genital System
NONE Hematopoietic System
NONE Integumentary System
Skin Sarcoma Squamous Cell Carcinoma
Skin, Control Subcut Tiss, Sarcoma Skin, SOA-Mass
Squamous Cell Carcinoma

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

+ .. Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

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

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

CAS Number: INIT/PROM

Date Report Requested: 10/21/2014 Time Report Requested: 06:26:40 First Dose M/F: NA / NA Lab: BAT

DAY ON TEST

B6C3F1 Mouse Female MNNG1000/ACETONE

	ANIMAL ID	
		*TOTALS
Subcut Tiss, Sarcoma		4
Subcut Tiss, Sarcoma, Multiple		1
Skin, SOA-No Mass		19
Musculoskeletal System		
NONE		
Nervous System		
NONE		
Respiratory System		
NONE		
Special Senses System		
NONE		
Urinary System		
NONE		
SYSTEMIC LESIONS		
Multiple Organ		30

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

+ .. Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

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

CAS Number: INIT/PROM

Date Report Requested: 10/21/2014 Time Report Requested: 06:26:40 First Dose M/F: NA / NA Lab: BAT

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

B6C3F1 Mouse Femal TPA 5 COMPLETE	DAY ON TEST e ANIMAL ID	3 6 3	0 3 6 3 0 0 4 8 2	0 3 6 3 0 0 4 8 3	0 3 6 3 0 0 4 8 4	0 3 6 3 0 0 4 8 5	0 3 6 3 0 0 4 8 6	0 3 6 4 0 0 4 8 7	0 3 6 4 0 0 4 8 8	0 3 6 4 0 0 4 8 9	0 3 6 4 0 0 4 9 0	0 3 6 4 0 0 4 9 1	0 3 6 4 0 0 4 9 2	0 3 6 5 0 0 4 9 3	0 3 6 5 0 0 4 9 4	0 3 6 5 0 0 4 9 5	0 3 6 5 0 0 4 9 6	0 3 6 5 0 0 4 9 7	0 3 6 5 0 0 4 9 8	0 3 6 6 0 4 9 9	0 3 6 6 0 0 5 0 0	0 3 6 6 0 0 5 0 1	0 3 6 6 0 0 5 0 2	0 3 6 6 0 0 5 0 3	0 3 6 6 0 0 5 0 4	0 3 6 7 0 0 5 0 5	0 3 6 7 0 0 5 0 6	0 3 6 7 0 0 5 0 7	0 3 6 7 0 0 5 0 8	0 3 6 7 0 0 5 0 9	0 3 6 7 0 0 5 1 0
Alimentary System NONE Cardiovascular System						-	-									-					-		. –	-			-				
NONE Endocrine System																															
NONE General Body System																															
NONE Genital System																															
NONE Hematopoietic System																															
NONE Integumentary System																															
Skin, Control Skin, SOA-Mass Skin, SOA-No Mass Musculoskeletal System		+	+	+ +	+	+	+	+	+	+	+	+	+	+	+	+	+ + +	+	+	+	+	+	+	+	+	+	+	+ +	+	+ +	+

NONE

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

I .. Insufficient tissue

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

CAS Number: INIT/PROM

Date Report Requested: 10/21/2014 Time Report Requested: 06:26:41 First Dose M/F: NA / NA Lab: BAT

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

B6C3F1 Mouse Female TPA 5 COMPLETE	DAY ON TEST	0 3 6 3 0 0 4 8 1	0 3 6 3 0 0 4 8 2	0 3 6 3 0 0 4 8 3	0 3 6 3 0 0 4 8 4	0 3 6 3 0 0 4 8 5	0 3 6 3 0 0 4 8 6	0 3 6 4 0 0 4 8 7	0 3 6 4 0 0 4 8 8	0 3 6 4 0 0 4 8 9	0 3 6 4 0 0 4 9 0	0 3 6 4 0 0 4 9 1	0 3 6 4 0 0 4 9 2	0 3 6 5 0 0 4 9 3	0 3 6 5 0 0 4 9 4	0 3 6 5 0 0 4 9 5	0 3 6 5 0 0 4 9 6	0 3 6 5 0 0 4 9 7	0 3 6 5 0 0 4 9 8	0 3 6 6 0 0 4 9 9	0 3 6 6 0 0 5 0 0	0 3 6 6 0 0 5 0 1	0 3 6 6 0 0 5 0 2	0 3 6 6 0 0 5 0 3	0 3 6 6 0 0 5 0 4	0 3 6 7 0 0 5 0 5	0 3 6 7 0 0 5 0 6	0 3 6 7 0 0 5 0 7	0 3 6 7 0 0 5 0 8	0 3 6 7 0 0 5 0 9	0 3 6 7 0 0 5 1 0
Nervous System																															
NONE Respiratory System																															
NONE Special Senses System																															
NONE Urinary System																															
NONE Systemic Lesions																															
Multiple Organ		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

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

+ ..Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

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

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

CAS Number: INIT/PROM

Date Report Requested: 10/21/2014 Time Report Requested: 06:26:41 First Dose M/F: NA / NA Lab: BAT

DAY ON TEST

B6C3F1 Mouse Female TPA 5 COMPLETE

ANIMAL ID

*TOTALS

23 1 30

	101/1
Alimentary System	
NONE	
Cardiovascular System	
NONE	
Endocrine System	
NONE	
General Body System	
NONE	
Genital System	
NONE	
Hematopoietic System	
NONE	
Integumentary System	
Skin, Control	
Skin, SOA-Mass	
Skin, SOA-No Mass Musculoskeletal System	
NONE	

Nervous System

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

+ .. Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

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

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

CAS Number: INIT/PROM

Date Report Requested: 10/21/2014 Time Report Requested: 06:26:41 First Dose M/F: NA / NA Lab: BAT

DAY ON TEST

B6C3F1 Mouse Female TPA 5 COMPLETE

ANIMAL ID

*TOTALS

30

NONE

Respiratory System

NONE

Special Senses System

NONE

Urinary System

NONE SYSTEMIC LESIONS

Multiple Organ

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

+ .. Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

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

CAS Number: INIT/PROM

Date Report Requested: 10/21/2014 Time Report Requested: 06:26:41 First Dose M/F: NA / NA Lab: BAT

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

B6C3F1 Mouse Female MNNG100/COMPLETE	DAY ON TEST	3 1 8	0 3 3 0 0 0 5 1 2	0 3 4 3 0 0 5 1 3	0 3 1 1 0 0 5 1 4	0 3 6 3 0 0 5 1 5	0 3 6 3 0 0 5 1 6	0 3 6 4 0 0 5 1 7	0 3 6 4 0 0 5 1 8	0 2 6 8 0 0 5 1 9	0 3 6 5 0 0 5 2 0	0 3 0 8 0 5 2 1	0 2 8 2 0 0 5 2 2	0 2 8 1 0 0 5 2 3	0 2 6 8 0 0 5 2 4	0 3 3 9 0 0 5 2 5	0 2 8 1 0 0 5 2 6	0 3 6 5 0 0 5 2 7	0 3 4 3 0 0 5 2 8	0 3 1 8 0 0 5 2 9	0 3 6 5 0 0 5 3 0	0 3 6 6 0 5 3 1	0 2 9 0 0 5 3 2	0 3 0 8 0 5 3 3	0 3 6 6 0 0 5 3 4	0 3 6 6 0 0 5 3 5	0 3 6 7 0 0 5 3 6	0 1 8 9 0 0 5 3 7	0 3 3 6 0 0 5 3 8	0 3 6 7 0 0 5 3 9	0 3 6 7 0 0 5 4 0
Alimentary System										0			_	0					0		0										•
NONE Cardiovascular System																															
NONE Endocrine System																															
NONE General Body System																															
NONE Genital System																															
NONE Hematopoietic System																															
NONE Integumentary System																															
Skin Skin, Control						+																									+
Skin, Control Skin, SOA-Mass		т	т	т	т	+	т	т	т	т	+	т	т	+	т	+	т	+	+	+	т	т	т	т	т	+	т	+	+	т	т
Squamous Cell Carcinoma Squamous Cell Carcinoma, I Squamous Cell Papilloma	Multiple	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X X	X	X
 *Total animals with tissue examine +Tissue examined microscopically XLesion present 	ed microscopically;	Total	l anim	nals v	vith tu	ımor							BLAN	ΑΑ	Autoly		oreclu		evalua												

I .. Insufficient tissue

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

CAS Number: INIT/PROM

Date Report Requested: 10/21/2014 Time Report Requested: 06:26:41 First Dose M/F: NA / NA Lab: BAT

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

B6C3F1 Mouse Female MNNG100/COMPLETE	DAY ON TEST	3 1 8	0 3 3 0 0 5 1 2	0 3 4 3 0 0 5 1 3	0 3 1 1 0 0 5 1 4	0 3 6 3 0 0 5 1 5	<i>0</i> <i>3</i> <i>6</i> <i>3</i> 0 0 5 1 6	0 3 6 4 0 0 5 1 7	0 3 6 4 0 0 5 1 8	0 2 6 8 0 0 5 1 9	0 3 6 5 0 0 5 2 0	0 3 0 8 0 0 5 2 1	0 2 8 2 0 0 5 2 2	0 2 8 1 0 0 5 2 3	0 2 6 8 0 0 5 2 4	<i>0</i> <i>3</i> <i>9</i> 0 0 5 2 5	0 2 8 1 0 0 5 2 6	0 3 6 5 0 0 5 2 7	0 3 4 3 0 0 5 2 8	0 3 1 8 0 0 5 2 9	0 3 6 5 0 0 5 3 0	0 3 6 6 0 0 5 3 1	0 2 9 0 0 5 3 2	0 3 0 8 0 5 3 3	0 3 6 6 0 5 3 4	0 3 6 6 0 0 5 3 5	<i>0</i> <i>3</i> <i>6</i> <i>7</i> 0 0 5 3 6	0 1 8 9 0 0 5 3 7	0 3 6 0 5 3 8	0 3 6 7 0 0 5 3 9	0 3 6 7 0 0 5 4 0
Subcut Tiss, Sarcoma Skin, SOA-No Mass Subcut Tiss, Mast Cell Tumo Musculoskeletal System	or Benign	+	+	+	+	+	+	+	+		+	+	+	+		+		+ X	+	+	+	+	Х	+	+	+	+	+	+	+	+
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

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

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

CAS Number: INIT/PROM

Date Report Requested: 10/21/2014 Time Report Requested: 06:26:41 First Dose M/F: NA / NA Lab: BAT

DAY ON TEST

B6C3F1 Mouse Female MNNG100/COMPLETE

ANIMAL ID

***TOTALS**

	10
Alimentary System	
NONE Cardiovascular System	
NONE Endocrine System	
NONE General Body System	
NONE Genital System	
NONE Hematopoietic System	
NONE Integumentary System	
Skin Skin, Control Skin, SOA-Mass Squamous Cell Carcinoma Squamous Cell Carcinoma, Multiple Squamous Cell Papilloma Subcut Tiss, Sarcoma	

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

+ .. Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

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

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

CAS Number: INIT/PROM

Date Report Requested: 10/21/2014 Time Report Requested: 06:26:41 First Dose M/F: NA / NA Lab: BAT

DAY ON TEST

B6C3F1 Mouse Female MNNG100/COMPLETE

ANIMAL ID	
	*TOTALS
Skin, SOA-No Mass	26
Subcut Tiss, Mast Cell Tumor Benign	1
Musculoskeletal System	
NONE	
Nervous System	
NONE	
Respiratory System	
NONE	
Special Senses System	
NONE	
Urinary System	
NONE	
SYSTEMIC LESIONS	
Multiple Organ	30

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

+ .. Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

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

CAS Number: INIT/PROM

Date Report Requested: 10/21/2014 Time Report Requested: 06:26:41 First Dose M/F: NA / NA Lab: BAT

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

B6C3F1 Mouse Femal BPO 20 COMPLETE	DAY ON TEST e ANIMAL ID	3 6 3	0 3 6 3 0 0 5 4 2	0 3 6 3 0 0 5 4 3	0 3 6 3 0 0 5 4 4	0 3 6 3 0 0 5 4 5	0 3 6 3 0 0 5 4 6	0 3 6 4 0 0 5 4 7	0 3 1 5 0 0 5 4 8	0 3 6 4 0 0 5 4 9	0 3 6 4 0 0 5 5 0	0 3 6 4 0 0 5 5 1	0 3 6 4 0 0 5 5 2	0 3 6 4 0 0 5 5 3	0 3 6 5 0 0 5 5 4	0 3 6 5 0 0 5 5 5 5	0 3 6 5 0 0 5 5 6	0 3 6 5 0 0 5 5 7	0 3 6 5 0 0 5 5 8	0 3 6 5 0 0 5 5 9	<i>0</i> 3 6 6 0 0 5 6 0	0 3 6 0 0 5 6 1	0 3 6 6 0 0 5 6 2	0 3 6 6 0 0 5 6 3	0 3 6 6 0 0 5 6 4	0 3 6 6 0 0 5 6 5	<i>0</i> <i>3</i> <i>6</i> <i>7</i> 0 0 5 6 6	0 3 6 7 0 0 5 6 7	0 3 6 7 0 0 5 6 8	0 3 6 7 0 0 5 6 9	0 3 6 7 0 0 5 7 0
Alimentary System					1 -							1						,	0	0	0	•		0		U	0	,	0		
NONE Cardiovascular System																															
NONE Endocrine System																															
NONE General Body System																															
NONE Genital System																															
NONE Hematopoietic System																															
NONE Integumentary System																															
Skin Skin, Control Skin, SOA-No Mass Musculoskeletal System		+	+ +	+	+ +	+	+ +	+	+ + +	+	+	+	+	+	+	+	+	+	+ +	+ +	+	+	+ +	+	+	+	+ +	+	+	+	+
NONE																															

NONE

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

+ ..Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

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

CAS Number: INIT/PROM

Date Report Requested: 10/21/2014 Time Report Requested: 06:26:41 First Dose M/F: NA / NA Lab: BAT

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

B6C3F1 Mouse Female BPO 20 COMPLETE	DAY ON TEST P ANIMAL ID	3 6 3	0 3 6 3 0 0 5 4 2	0 3 6 3 0 0 5 4 3	0 3 6 3 0 0 5 4 4	0 3 6 3 0 0 5 4 5	<i>0</i> <i>3</i> <i>6</i> <i>3</i> 0 0 5 4 6	0 3 6 4 0 0 5 4 7	0 3 1 5 0 0 5 4 8	0 3 6 4 0 0 5 4 9	0 3 6 4 0 0 5 5 0	0 3 6 4 0 5 5 1	0 3 6 4 0 5 5 2	0 3 6 4 0 5 5 3	0 3 6 5 0 0 5 5 4	0 3 6 5 0 0 5 5 5 5	<i>0</i> <i>3</i> <i>6</i> <i>5</i> 0 0 5 5 6	0 3 6 5 0 0 5 5 7	0 3 6 5 0 0 5 5 8	<i>0</i> 3 6 5 0 0 5 5 9	<i>0</i> <i>3</i> <i>6</i> <i>6</i> 0 5 6 0	<i>0</i> <i>3</i> <i>6</i> <i>6</i> 0 0 5 6 1	<i>0</i> 3 6 0 0 5 6 2	0 3 6 6 0 5 6 3	0 3 6 6 0 0 5 6 4	0 3 6 6 0 0 5 6 5	0 3 6 7 0 0 5 6 6	0 3 6 7 0 0 5 6 7	0 3 6 7 0 0 5 6 8	<i>0</i> <i>3</i> <i>6</i> <i>7</i> 0 0 5 6 9	0 3 6 7 0 0 5 7 0
Nervous System																															
NONE Respiratory System																															
NONE Special Senses System																															
NONE Urinary System																															
NONE Systemic Lesions																															
Multiple Organ		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

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

+ .. Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

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

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

CAS Number: INIT/PROM

Date Report Requested: 10/21/2014 Time Report Requested: 06:26:41 First Dose M/F: NA / NA Lab: BAT

DAY ON TEST

B6C3F1 Mouse Female BPO 20 COMPLETE

ANIMAL ID

*TOTALS

13 8 18

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, Control Skin, SOA-No Mass	
Musculoskeletal System	
NONE	

Nervous	System
Ner Vous	Oystem

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

+ .. Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

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

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

CAS Number: INIT/PROM

Date Report Requested: 10/21/2014 Time Report Requested: 06:26:41 First Dose M/F: NA / NA Lab: BAT

DAY ON TEST

B6C3F1 Mouse Female BPO 20 COMPLETE

ANIMAL ID

*TOTALS

30

NONE

Respiratory System

NONE

Special Senses System

NONE

Urinary System

NONE SYSTEMIC LESIONS

Multiple Organ

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

+ .. Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

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

CAS Number: INIT/PROM

Date Report Requested: 10/21/2014 Time Report Requested: 06:26:41 First Dose M/F: NA / NA Lab: BAT

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

B6C3F1 Mouse Female MNNG 100/BPO 20	DAY ON TEST 9 ANIMAL ID	3 6 3	0 3 6 3 0 0 5 7 2	0 3 6 3 0 0 5 7 3	0 3 6 3 0 0 5 7 4	0 3 6 3 0 0 5 7 5	0 3 6 3 0 0 5 7 6	0 3 6 4 0 0 5 7 7 7	0 3 6 4 0 5 7 8	0 3 6 4 0 0 5 7 9	0 3 6 4 0 0 5 8 0	0 3 6 4 0 0 5 8 1	0 3 6 4 0 0 5 8 2	0 3 6 5 0 0 5 8 3	0 3 6 5 0 0 5 8 4	0 3 6 5 0 0 5 8 5	0 3 6 5 0 0 5 8 6	0 3 6 5 0 0 5 8 7	0 3 6 5 0 0 5 8 8	0 3 6 6 0 0 5 8 9	0 3 6 6 0 0 5 9 0	0 3 6 6 0 0 5 9 1	0 3 6 6 0 0 5 9 2	0 3 6 6 0 0 5 9 3	0 3 6 6 0 0 5 9 4	0 3 6 7 0 0 5 9 5	0 3 6 7 0 0 5 9 6	0 3 6 7 0 0 5 9 7	0 3 6 7 0 0 5 9 8	0 3 6 7 0 0 5 9 9	0 3 6 7 0 0 6 0 6 0 0
Alimentary System												1	1																		
NONE Cardiovascular System																															
NONE Endocrine System																															
NONE General Body System																															
NONE Genital System																															
NONE Hematopoietic System																															
NONE Integumentary System																															
Skin Skin, Control Skin, SOA-Mass Squamous Cell Papilloma Skin, SOA-No Mass		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+ X +	+	+	+	+	+

* ..Total animals with tissue examined microscopically; Total animals with tumor
 + ..Tissue examined microscopically
 + ..Tissue examined microscopically
 A ..Autolysis precludes evaluation
 K ..Not examined microscopically
 I ..Insufficient tissue

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

CAS Number: INIT/PROM

Date Report Requested: 10/21/2014 Time Report Requested: 06:26:41 First Dose M/F: NA / NA Lab: BAT

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

B6C3F1 Mouse Femal MNNG 100/BPO 20	DAY ON TEST e ANIMAL ID	3 6 3	0 3 6 3 0 0 5 7 2	0 3 6 3 0 0 5 7 3	0 3 6 3 0 0 5 7 4	0 3 6 3 0 0 5 7 5	0 3 6 3 0 0 5 7 6	0 3 6 4 0 0 5 7 7 7	0 3 6 4 0 0 5 7 8	0 3 6 4 0 0 5 7 9	0 3 6 4 0 0 5 8 0	0 3 6 4 0 0 5 8 1	0 3 6 4 0 5 8 2	0 3 6 5 0 0 5 8 3	0 3 6 5 0 0 5 8 4	0 3 6 5 0 0 5 8 5	0 3 6 5 0 0 5 8 6	0 3 6 5 0 0 5 8 7	0 3 6 5 0 0 5 8 8	0 3 6 6 0 0 5 8 9	0 3 6 6 0 0 5 9 0	0 3 6 6 0 0 5 9 1	0 3 6 6 0 0 5 9 2	0 3 6 6 0 0 5 9 3	0 3 6 6 0 0 5 9 4	0 3 6 7 0 0 5 9 5	0 3 6 7 0 0 5 9 6	0 3 6 7 0 0 5 9 7	0 3 6 7 0 0 5 9 8	0 3 6 7 0 0 5 9 9	0 3 6 7 0 0 6 0 0
Musculoskeletal System																															
NONE Nervous System																															
NONE Respiratory System																															
NONE Special Senses System																															
NONE Urinary System																															
NONE Systemic lesions																															
Multiple Organ		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

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

+ .. Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

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

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

CAS Number: INIT/PROM

Date Report Requested: 10/21/2014 Time Report Requested: 06:26:41 First Dose M/F: NA / NA Lab: BAT

DAY ON TEST

B6C3F1 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 Skin, Control Skin, SOA-Mass Squamous Cell Papilloma Skin, SOA-No Mass

Musculoskeletal System

NONE

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

+ .. Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

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

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

CAS Number: INIT/PROM

Date Report Requested: 10/21/2014 Time Report Requested: 06:26:41 First Dose M/F: NA / NA Lab: BAT

DAY ON TEST

B6C3F1 Mouse Female 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

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

CAS Number: INIT/PROM

Date Report Requested: 10/21/2014 Time Report Requested: 06:26:41 First Dose M/F: NA / NA Lab: BAT

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

B6C3F1 Mouse Female MNNG 500/BPO 20	DAY ON TEST	3 6 3	0 3 6 3 0 0 0 6 0 2	0 3 6 3 0 0 0 6 0 3	0 3 6 3 0 0 0 6 0 4	0 3 6 3 0 0 6 0 5	0 3 6 3 0 0 0 6 0 6	0 3 6 4 0 0 6 0 7	0 3 6 4 0 0 6 0 8	0 3 6 4 0 0 6 0 9	0 3 6 4 0 0 6 1 0	0 3 0 6 0 0 6 1	0 3 6 4 0 0 6 1 2	0 3 6 4 0 0 6 1 3	0 3 6 5 0 0 6 1	0 2 4 8 0 0 6 1 5	0 3 6 5 0 0 6 1 6	0 3 6 5 0 0 6 1 7	0 3 6 5 0 0 6 1 8	0 3 6 5 0 0 6 1 9	0 3 6 6 0 0 0 6 2 0	0 3 6 6 0 0 6 2 1	0 3 6 6 0 0 0 6 2 2	0 3 6 6 0 0 0 6 2 3	0 3 6 6 0 0 0 6 2 4	0 3 6 7 0 0 6 2 5	0 3 6 7 0 0 6 2 6	0 3 6 7 0 0 6 2 7	0 3 6 7 0 0 6 2 8	0 3 6 7 0 0 6 2 9	0 3 5 3 0 0 6 3 0
Alimentary System			2	5		5		1		5				0		5		,	0	5	0				<u> </u>	10				3	
NONE Cardiovascular System																															
NONE Endocrine System																															
NONE General Body System																															
NONE Genital System																															
NONE Hematopoietic System																															
NONE Integumentary System																															
Skin Skin, Control Skin, SOA-Mass Subcut Tiss, Sarcoma											+	+	+	+		+ + X		+						+							
Skin, SOA-No Mass		+	+	+	+	+	+	+	+	+	+	+		+	+	+	+		+	+	+	+	+		+	+	+	+	+	+	+

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

+ ..Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

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

CAS Number: INIT/PROM

Date Report Requested: 10/21/2014 Time Report Requested: 06:26:42 First Dose M/F: NA / NA Lab: BAT

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

B6C3F1 Mouse Femal MNNG 500/BPO 20	DAY ON TEST e ANIMAL ID	3 6 3	0 3 6 3 0 0 6 0 2	0 3 6 3 0 0 6 0 3	0 3 6 3 0 0 6 0 4	0 3 6 3 0 0 6 0 5	0 3 6 3 0 0 6 0 6 0 6	0 3 6 4 0 0 6 0 7	0 3 6 4 0 0 6 0 8	0 3 6 4 0 0 6 0 9	0 3 6 4 0 0 6 1 0	0 3 0 6 0 0 6 1 1	0 3 6 4 0 0 6 1 2	0 3 6 4 0 0 6 1 3	0 3 6 5 0 0 6 1 4	0 2 4 8 0 0 6 1 5	<i>0</i> <i>3</i> <i>6</i> <i>5</i> 0 0 6 1 6	0 3 6 5 0 0 6 1 7	0 3 6 5 0 0 6 1 8	0 3 6 5 0 0 6 1 9	0 3 6 6 0 0 6 2 0	<i>0</i> <i>3</i> <i>6</i> <i>6</i> 0 0 6 2 1	0 3 6 6 0 0 6 2 2	0 3 6 6 0 0 6 2 3	0 3 6 6 0 0 6 2 4	0 3 6 7 0 0 6 2 5	<i>0</i> <i>3</i> <i>6</i> <i>7</i> 0 0 0 6 2 6	0 3 6 7 0 0 6 2 7	0 3 6 7 0 0 6 2 8	0 3 6 7 0 0 6 2 9	0 3 5 3 0 0 6 3 0
Musculoskeletal System										1																					
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

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

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

CAS Number: INIT/PROM

Date Report Requested: 10/21/2014 Time Report Requested: 06:26:42 First Dose M/F: NA / NA Lab: BAT

DAY ON TEST

B6C3F1 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 Skin, Control Skin, SOA-Mass Subcut Tiss, Sarcoma Skin, SOA-No Mass	

Musculoskeletal System

NONE

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

+ .. Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

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

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

CAS Number: INIT/PROM

Date Report Requested: 10/21/2014 Time Report Requested: 06:26:42 First Dose M/F: NA / NA Lab: BAT

DAY ON TEST

B6C3F1 Mouse Female MNNG 500/BPO 20

ANIMAL ID

*TOTALS

Nervous System

NONE Respiratory System

NONE

Special Senses System

NONE Urinary System

NONE SYSTEMIC LESIONS

Multiple Organ

30

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

+ ..Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

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

CAS Number: INIT/PROM

Date Report Requested: 10/21/2014 Time Report Requested: 06:26:42 First Dose M/F: NA / NA Lab: BAT

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

B6C3F1 Mouse Female MNNG1000/BPO 20	ANIMAL ID	<i>0</i> <i>3</i> <i>6</i> <i>3</i> 0 0 6 3 1	0 2 2 7 0 0 6 3 2	3 6 3 0 0 6 3 3 3	0 1 3 4 0 0 6 3 4	<i>3</i> <i>6</i> <i>3</i> 0 0 6 3 5	3 6 3 0 0 6 3 6 3 6 3 6 3 6 3 6 3 6 3 6 3 6 3 6 6 3 6 6 3 6 6 6 6 6 6 6 6	<i>3</i> <i>4</i> <i>3</i> 0 0 6 3 7	2 5 4 0 6 3 8	0 3 6 3 0 0 6 3 9	0 3 6 4 0 0 6 4 0	0 3 6 4 0 0 6 4 1	0 3 6 4 0 0 6 4 2	0 3 6 4 0 0 6 4 3	0 2 5 8 0 0 6 4 4	0 3 6 4 0 0 6 4 5	<i>3</i> <i>6</i> <i>5</i> 0 0 6 4 6	0 3 6 5 0 0 6 4 7	<i>3</i> <i>6</i> <i>5</i> 0 6 4 8	<i>3</i> <i>6</i> <i>5</i> 0 0 6 4 9	<i>3</i> <i>6</i> <i>5</i> 0 6 5 0 6 5 0	<i>0</i> <i>3</i> <i>6</i> <i>6</i> <i>0</i> <i>0</i> <i>6</i> <i>5</i> <i>1</i>	<i>6</i> <i>6</i> <i>6</i> <i>0</i> <i>0</i> <i>6</i> <i>5</i> <i>2</i>	<i>3</i> <i>6</i> <i>6</i> 0 0 6 5 3	<i>6</i> <i>6</i> <i>0</i> <i>0</i> <i>6</i> <i>5</i> <i>4</i>	0 3 6 6 0 0 6 5 5	<i>0</i> <i>3</i> <i>6</i> <i>7</i> 0 0 6 5 6	<i>6</i> <i>7</i> 0 6 5 7	<i>3</i> <i>6</i> <i>7</i> 0 0 6 5 8	<i>3</i> <i>6</i> <i>7</i> 0 0 6 5 9	0 3 6 7 0 0 6 6 0
Alimentary System																															
NONE Cardiovascular System																															
NONE Endocrine System																															
NONE General Body System																															
NONE Genital System																															
NONE Hematopoietic System																															
NONE Integumentary System																															
Skin Skin, Control Skin, SOA-Mass Sebaceous GI, Adenoma Squamous Cell Carcinoma Squamous Cell Papilloma			+	+	+ X			+ + X	+				+ X		+ +	+ X	+ X				+ X						+	+	+ X		+

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

+ .. Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

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

CAS Number: INIT/PROM

Date Report Requested: 10/21/2014 Time Report Requested: 06:26:42 First Dose M/F: NA / NA Lab: BAT

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

B6C3F1 Mouse Femal MNNG1000/BPO 20	DAY ON TEST I e ANIMAL ID	3 6 3	0 2 2 7 0 0 6 3 2	0 3 6 3 0 0 6 3 3	0 1 3 4 0 0 6 3 4	0 3 6 3 0 0 6 3 5	0 3 6 3 0 0 6 3 6	0 3 4 3 0 0 6 3 7	0 2 5 4 0 0 6 3 8	0 3 6 3 0 0 6 3 9	0 3 6 4 0 0 6 4 0	0 3 6 4 0 0 6 4 1	0 3 6 4 0 0 6 4 2	0 3 6 4 0 0 6 4 3	0 2 5 8 0 0 6 4 4	0 3 6 4 0 0 6 4 5	0 3 6 5 0 0 6 4 6	0 3 6 5 0 0 6 4 7	0 3 6 5 0 0 6 4 8	0 3 6 5 0 0 6 4 9	0 3 6 5 0 0 6 5 0	0 3 6 6 0 0 6 5 1	0 3 6 6 0 0 6 5 2	0 3 6 6 0 0 6 5 3	0 3 6 6 0 0 6 5 4	0 3 6 0 0 6 5 5	0 3 6 7 0 0 6 5 6	0 3 6 7 0 0 6 5 7	0 3 6 7 0 0 6 5 8	0 3 6 7 0 0 6 5 9	0 3 6 7 0 0 6 6 0
Subcut Tiss, Sarcoma Skin, SOA-No Mass Subcut Tiss, Sarcoma Musculoskeletal System		+	X +		+	+	+ X	+	+	+	+	+	+	+	X +	+	+	+	+	+		+	+	+	+	+		X +	+	+	+
NONE Nervous System																															
NONE Respiratory System																															
NONE Special Senses System																															
NONE Urinary System																															
NONE Systemic lesions																															
Multiple Organ		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

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

+ .. Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

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

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

CAS Number: INIT/PROM

Date Report Requested: 10/21/2014 Time Report Requested: 06:26:42 First Dose M/F: NA / NA Lab: BAT

DAY ON TEST

B6C3F1 Mouse Female MNNG1000/BPO 20

ANIMAL ID

*TOTALS

Alimentary System
NONE Cardiovascular System
NONE Endocrine System
NONE General Body System
NONE Genital System
NONE Hematopoietic System
NONE Integumentary System
Skin Skin, Control Skin, SOA-Mass Sebaceous GI, Adenoma Squamous Cell Carcinoma Squamous Cell Papilloma Subcut Tiss, Sarcoma

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

+ .. Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

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

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

CAS Number: INIT/PROM

Date Report Requested: 10/21/2014 Time Report Requested: 06:26:42 First Dose M/F: NA / NA Lab: BAT

DAY ON TEST

B6C3F1 Mouse Female MNNG1000/BPO 20

	ANIMAL ID	
		*TOTALS
Skin, SOA-No Mass		27
Subcut Tiss, Sarcoma		1
Musculoskeletal System		
NONE		
Nervous System		
NONE		
Respiratory System		
NONE		
Special Senses System		
NONE		
Urinary System		
NONE		
SYSTEMIC LESIONS		
Multiple Organ		30

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

+ ..Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

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

CAS Number: INIT/PROM

Date Report Requested: 10/21/2014 Time Report Requested: 06:26:42 First Dose M/F: NA / NA Lab: BAT

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

B6C3F1 Mouse Femal MNNG 100/TPA 5	DAY ON TEST e ANIMAL ID	3 6 3	0 3 6 3 0 0 6 6 6 2	0 0 7 7 0 0 6 6 3	0 3 6 3 0 0 0 6 6 4	<i>0</i> <i>3</i> <i>6</i> <i>3</i> 0 0 6 5	0 3 6 3 0 0 6 6 6 6	0 3 6 3 0 0 6 6 7	0 3 6 4 0 0 6 6 8	0 3 6 4 0 0 6 6 9	0 3 6 4 0 0 6 7 0	0 3 6 4 0 0 6 7 1	0 3 6 4 0 0 6 7 2	0 3 6 5 0 0 6 7 3	0 3 6 5 0 0 6 7 4	0 3 6 5 0 0 6 7 5	0 3 6 5 0 0 0 6 7 6	0 3 6 5 0 0 6 7 7	0 3 6 5 0 0 0 6 7 8	0 3 6 6 0 0 0 6 7 9	0 3 6 6 0 0 6 8 0	0 3 6 6 0 0 6 8 1	0 3 6 6 0 0 0 6 8 2	0 3 6 6 0 0 6 8 3	3 6 6 0 0 6 8	6 7 0 0 6	0 3 6 7 0 0 6 8 6	3 6 7 0 0 6 8	0 3 6 7 0 0 6 8 8 8	0 3 6 7 0 0 0 6 8 9	0 3 6 7 0 0 6 9 0
Alimentary System						<u> </u>										0	0		0	0		<u> </u>						<u> </u>		0	
NONE Cardiovascular System																															
NONE Endocrine System																															
NONE General Body System																															
NONE Genital System																															
NONE Hematopoietic System																															
NONE Integumentary System																															
Skin, Control Skin, SOA-Mass Squamous Cell Papilloma			+		+		+		+	+		+	+	+			+		+		+ X										
Skin, SOA-No Mass Musculoskeletal System		+	+		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

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

+ .. Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

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

CAS Number: INIT/PROM

Date Report Requested: 10/21/2014 Time Report Requested: 06:26:42 First Dose M/F: NA / NA l ah BAT

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Species/Strain: Mouse/B6C3F1																							La	ab: E	3
B6C3F1 Mouse Female MNNG 100/TPA 5	DAY ON TEST 9 ANIMAL ID	3 6 3	0 3 6 3 0 0 6 6 2	<i>0</i> <i>0</i> <i>7</i> <i>7</i> 0 0 6 6 3	0 3 6 3 0 0 6 6 4	<i>0</i> 3 6 3 0 0 6 6 5	0 3 6 3 0 0 6 6 6 6	0 3 6 3 0 0 6 6 7	0 3 6 4 0 0 6 6 8	0 3 6 4 0 0 6 6 9	0 3 6 4 0 0 6 7 0	0 3 6 4 0 0 6 7 1	0 3 6 4 0 0 6 7 2	0 3 6 5 0 0 6 7 3	0 3 6 5 0 0 6 7 4	0 3 6 5 0 0 6 7 5	0 3 6 5 0 0 6 7 6	0 3 6 5 0 0 6 7 7	0 3 6 5 0 0 6 7 8	0 3 6 6 0 0 0 6 7 9	0 3 6 0 0 6 8 0	0 3 6 0 0 6 8 1	0 3 6 0 0 6 8 2	0 3 6 6 0 0 6 8 3	
NONE Nervous System																									

NONE

Respiratory System

NONE

Special Senses System

Experiment Number: 05117-04

Test Type: INIT/PROMOT

Route: SKIN APPLICATION

. .

NONE

Urinary System

NONE

SYSTEMIC LESIONS

Multiple Organ

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

+ +

+ .. Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

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

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

CAS Number: INIT/PROM

Date Report Requested: 10/21/2014 Time Report Requested: 06:26:42 First Dose M/F: NA / NA Lab: BAT

DAY ON TEST

B6C3F1 Mouse Female MNNG 100/TPA 5

ANIMAL ID

*TOTALS

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

NONE

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

+ ..Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

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

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

CAS Number: INIT/PROM

Date Report Requested: 10/21/2014 Time Report Requested: 06:26:42 First Dose M/F: NA / NA Lab: BAT

DAY ON TEST

B6C3F1 Mouse Female MNNG 100/TPA 5

ANIMAL ID

*TOTALS

Nervous System

NONE Respiratory System

NONE

Special Senses System

NONE Urinary System

NONE

SYSTEMIC LESIONS

Multiple Organ

29

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

+ ..Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

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

CAS Number: INIT/PROM

Date Report Requested: 10/21/2014 Time Report Requested: 06:26:42 First Dose M/F: NA / NA Lab: BAT

1

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

B6C3F1 Mouse Female MNNG1000/TPA 5	DAY ON TEST	2 8 2	0 3 6 3 0 0 6 9 2	0 3 6 3 0 0 6 9 3	0 3 6 3 0 0 6 9 4	0 3 6 3 0 0 6 9 5	0 2 1 2 0 0 6 9 6	0 3 6 4 0 0 6 9 7	0 3 6 4 0 0 6 9 8	0 3 6 4 0 0 6 9 9	0 3 6 4 0 0 7 0 0 0	0 3 6 4 0 0 7 0 1	0 3 6 5 0 0 7 0 2	0 3 6 5 0 0 7 0 3	0 1 7 0 0 0 7 0 4	0 3 6 5 0 0 7 0 5	0 3 6 5 0 0 7 0 6	0 3 6 6 0 7 0 7	0 3 6 0 0 7 0 8	0 3 6 0 0 7 0 9	0 2 9 0 0 0 7 1 0	0 3 6 6 0 7 1 1	0 3 6 7 0 0 7 1 2	0 3 6 7 0 0 7 1 3	0 3 6 7 0 0 7 1 4	0 3 8 0 0 7 1 5	0 3 6 7 0 0 7 1 6	0 3 0 0 0 7 1 7	0 3 6 7 0 0 7 1 8	0 2 6 8 0 0 7 1 9	0 0 1 2 0 0 7 2 0
Alimentary System																															
NONE Cardiovascular System																															
NONE Endocrine System																															
NONE General Body System																															
NONE Genital System																															
NONE Hematopoietic System																															
NONE Integumentary System																															
Skin, Control					+		+	+	+		+		+	+	+				+							+		+		+	
Skin, SOA-Mass Squamous Cell Carcinoma					+	+	+		+						+						+					+	+	+		+ X	
Squamous Cell Papilloma																										Х					
Squamous Cell Papilloma, M Subcut Tiss, Sarcoma	ultiple						Х		Х						Х						х					х	х	х		х	

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

 + .. Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

M ...Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

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

CAS Number: INIT/PROM

Date Report Requested: 10/21/2014 Time Report Requested: 06:26:43 First Dose M/F: NA / NA Lab: BAT

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

B6C3F1 Mouse Femal MNNG1000/TPA 5	DAY ON TEST e ANIMAL ID	2 8 2	0 3 6 3 0 0 6 9 2	0 3 6 3 0 0 0 6 9 3	0 3 6 3 0 0 0 6 9 4	0 3 6 3 0 0 6 9 5	0 2 1 2 0 0 6 9 6	0 3 6 4 0 0 6 9 7	0 3 6 4 0 0 6 9 8	0 3 6 4 0 0 6 9 9 9	0 3 6 4 0 0 7 0 0	0 3 6 4 0 0 7 0 1	0 3 6 5 0 0 7 0 2	0 3 6 5 0 0 7 0 3	0 1 7 0 0 0 7 0 4	0 3 6 5 0 0 7 0 5	0 3 6 5 0 0 7 0 6	0 3 6 6 0 0 7 0 7	0 3 6 6 0 0 7 0 8	0 3 6 6 0 0 7 0 9	0 2 9 0 0 0 7 1 0	0 3 6 6 0 7 1 1	0 3 6 7 0 0 7 1 2	0 3 6 7 0 0 7 1 3	0 3 6 7 0 0 7 1 4	0 3 8 0 0 7 1 5	0 3 6 7 0 0 7 1 6	0 3 3 0 0 7 1 7	0 3 6 7 0 0 7 1 8	0 2 6 8 0 0 7 1 9	0 0 1 2 0 0 7 2 0
Subcut Tiss, Sarcoma, Mult Skin, SOA-No Mass Subcut Tiss, Lymphangiom Musculoskeletal System		+	+	+	+	Х	+	+ X	+	+	+	+	+	+		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
NONE Nervous System																															
NONE Respiratory System																															
NONE Special Senses System																															
NONE Urinary System																															
NONE Systemic lesions																															
Multiple Organ		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

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

+ .. Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

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

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

CAS Number: INIT/PROM

Date Report Requested: 10/21/2014 Time Report Requested: 06:26:43 First Dose M/F: NA / NA Lab: BAT

DAY ON TEST

B6C3F1 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, Control Skin, SOA-Mass Squamous Cell Carcinoma Squamous Cell Papilloma Squamous Cell Papilloma, Multiple Subcut Tiss, Sarcoma
Subcut Tiss, Sarcoma, Multiple

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

+ .. Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

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

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

CAS Number: INIT/PROM

Date Report Requested: 10/21/2014 Time Report Requested: 06:26:43 First Dose M/F: NA / NA Lab: BAT

DAY ON TEST

B6C3F1 Mouse Female MNNG1000/TPA 5

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

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

+ .. Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

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

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

CAS Number: INIT/PROM

Date Report Requested: 10/21/2014 Time Report Requested: 06:26:43 First Dose M/F: NA / NA Lab: BAT

DAY ON TEST

B6C3F1 Mouse Female SENTINEL FEMALE

ANIMAL ID

*TOTALS

Alimentary System

NONE Cardiovascular System

NONE

Endocrine System

NONE

General Body System

NONE

Genital System

NONE Hematopoietic System

NONE Integumentary System

NONE

Musculoskeletal System

NONE

Nervous System

NONE

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

+ .. Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

Experiment Number: 05117-04 Test Type: INIT/PROMOT Route: SKIN APPLICATION Species/Strain: Mouse/B6C3F1		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: 10/21/2014 Time Report Requested: 06:26:43 First Dose M/F: NA / NA Lab: BAT	
	DAY ON TEST				
B6C3F1 Mouse Female SENTINEL FEMALE	•				
	ANIMAL ID				
		*TOTALS			
Respiratory System					
NONE Special Senses System					
NONE Urinary System					
NONE Systemic lesions					
Multiple Organ		0	** END OF REPORT **		
			LIND OF INLFURT		

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

+ .. Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue