**Experiment Number:** 05117-03 Test Type: INIT/PROMOT **Route: SKIN APPLICATION** Species/Strain: Mouse/SENCAR C Number: Lock Date: **Cage Range: Date Range:** 

**Reasons For Removal:** 

**Removal Date Range:** 

**Treatment Groups:** 

**Study Gender:** 

## P11: STATISTICAL ANALYSIS OF SURVIVAL DATA

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

CAS Number: INIT/PROM

Date Report Requested: 10/21/2014 Time Report Requested: 07:05:34

First Dose M/F: NA / NA

Lab: BAT

C61994C

Not Entered.

ΑII

ΑII

ΑII

ΑII

ΑII

Both

**PWG Approval Date** 04/27/1994

P11: STATISTICAL ANALYSIS OF SURVIVAL DATA

Test Type: INIT/PROMOT

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

Route: SKIN APPLICATION
Species/Strain: Mouse/SENCAR

CAS Number: INIT/PROM

Date Report Requested: 10/21/2014
Time Report Requested: 07:05:34

First Dose M/F: NA / NA

Lab: BAT

## Male MOUSE FIRST TERMINAL SACRIFICE AT 362 DAYS INDIVIDUAL SURVIVAL TIMES (DAYS)

	1110	TVIDUAL SURVIVAL TIMES (DATA	<u> </u>	
DOSE = VEHICLE CONTROL				
TOTAL 30	UNCENSORED DEATHS 2	CENSORED DEATHS 0	TERMINAL 28	
UNCENSORED DEATH DAYS				
302 355				
CENSORED DEATH DAYS				
none				
DOSE = DMBA0.25/ACETONE				
TOTAL 30	UNCENSORED DEATHS 3	CENSORED DEATHS 0	TERMINAL 27	
UNCENSORED DEATH DAYS				
263 297 332				
CENSORED DEATH DAYS				
none				
DOSE = DMBA0.25/ TPA 5				
TOTAL 30	UNCENSORED DEATHS 0	CENSORED DEATHS 0	TERMINAL 0	
UNCENSORED DEATH DAYS				
none				
CENSORED DEATH DAYS				
none				
DOSE = DMBA 2.5/ACETONE				
TOTAL 29	UNCENSORED DEATHS 2	CENSORED DEATHS 0	TERMINAL 27	
UNCENSORED DEATH DAYS				
120 150				
CENSORED DEATH DAYS				
none				

<sup>(</sup>A) FIRST TERMINAL SACRIFICE

<sup>(</sup>B) THE FIRST ENTRY IS THE TREND TEST (TARONE, 1975) RESULT. SUBSEQUENT ENTRIES ARE THE RESULTS OF PAIRWISE TESTS (COX, 1972). NEGATIVE TRENDS ARE INDICATED BY "N".

<sup>(</sup>C) MEAN OF ALL UNCENSORED DEATHS PRIOR TO TERMINAL SACRIFICE

<sup>(</sup>D) MEAN OF ALL DEATHS (UNCENSORED, CENSORED, TERMINAL SACRIFICE)

Species/Strain: Mouse/SENCAR

Test Type: INIT/PROMOT

**Route: SKIN APPLICATION** 

P11: STATISTICAL ANALYSIS OF SURVIVAL DATA

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

CAS Number: INIT/PROM

Date Report Requested: 10/21/2014 Time Report Requested: 07:05:34

First Dose M/F: NA / NA

Lab: BAT

# Male MOUSE FIRST TERMINAL SACRIFICE AT 362 DAYS INDIVIDUAL SURVIVAL TIMES (DAYS)

					וטאו	VIDUAL 50	RVIVAL TIM	ES (DATS)					
DOSE = I	DMBA2.5/0	COMPLETE											
TOTAL 3	0		UNCEN	SORED DE	ATHS 19	CENSO	RED DEATH	S 0	TERMIN	IAL 11			
UNCENS	ORED DE	ATH DAYS											
145	196	206	251	266	287	293	295	302	309	312	317	317	323
323	341	342	351	359									
CENSOR	ED DEATH	H DAYS											
none													
DOSE = I	DMBA 2.5/	TPA 5											
TOTAL 3	0		UNCEN	SORED DE	ATHS 0	CENSO	RED DEATH	S 0	TERMIN	IAL 0			
UNCENS	ORED DE	ATH DAYS											
none													
CENSOR	ED DEATH	H DAYS											
none													
DOSE = I	DMBA 25/A	CETONE											
TOTAL 3	1		UNCEN	SORED DE	ATHS 1	CENSO	RED DEATH	S 0	TERMIN	IAL 30			
UNCENS	ORED DE	ATH DAYS											
328													
CENSOR	ED DEATH	H DAYS											
none													
DOSE = I	DMBA 25/	TPA 5											
TOTAL 3	0		UNCEN	SORED DE	ATHS 0	CENSO	RED DEATH	S 0	TERMIN	IAL 0			
UNCENS	ORED DE	ATH DAYS											
none													
CENSOR	ED DEATH	H DAYS											
none													

<sup>(</sup>A) FIRST TERMINAL SACRIFICE

<sup>(</sup>B) THE FIRST ENTRY IS THE TREND TEST (TARONE, 1975) RESULT. SUBSEQUENT ENTRIES ARE THE RESULTS OF PAIRWISE TESTS (COX, 1972). NEGATIVE TRENDS ARE INDICATED BY "N".

<sup>(</sup>C) MEAN OF ALL UNCENSORED DEATHS PRIOR TO TERMINAL SACRIFICE

<sup>(</sup>D) MEAN OF ALL DEATHS (UNCENSORED, CENSORED, TERMINAL SACRIFICE)

Species/Strain: Mouse/SENCAR

Test Type: INIT/PROMOT

**Route: SKIN APPLICATION** 

P11: STATISTICAL ANALYSIS OF SURVIVAL DATA

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

CAS Number: INIT/PROM

Date Report Requested: 10/21/2014
Time Report Requested: 07:05:34

First Dose M/F: NA / NA

Lab: BAT

## Male MOUSE FIRST TERMINAL SACRIFICE AT 362 DAYS INDIVIDUAL SURVIVAL TIMES (DAYS)

					- ( - /					
PLETE							•			
UI	NCENSORED DE	ATHS 7	CENSOR	RED DEATH	S 0	TERMINA	AL 23			
I DAYS										
138 13	39 217	218	297							
AYS										
O 20										
UI	NCENSORED DE	ATHS 7	CENSOR	RED DEATH	S 0	TERMINA	AL 23			
I DAYS										
309 31	17 342	345	352							
AYS										
O 20										
UI	NCENSORED DE	ATHS 13	CENSOR	RED DEATH	S 0	TERMINA	AL 17			
I DAYS										
250 25	51 282	299	302	302	309	334	341	352	359	
AYS										
1	O 20 UI DAYS 309 3'AYS D 20 UI DAYS 250 25	UNCENSORED DE 1 DAYS 138 139 217 AYS  O 20 UNCENSORED DE 1 DAYS 309 317 342 AYS  O 20 UNCENSORED DE 1 DAYS 250 251 282	UNCENSORED DEATHS 7  I DAYS  138  139  217  218  AYS  O 20  UNCENSORED DEATHS 7  I DAYS  309  317  342  345  AYS  O 20  UNCENSORED DEATHS 13  I DAYS  250  251  282  299	PLETE UNCENSORED DEATHS 7 CENSOR 1 DAYS 138 139 217 218 297 AYS  O 20 UNCENSORED DEATHS 7 CENSOR 1 DAYS 309 317 342 345 352 AYS  O 20 UNCENSORED DEATHS 13 CENSOR 1 DAYS 250 251 282 299 302	PLETE UNCENSORED DEATHS 7 CENSORED DEATH 1 DAYS 138 139 217 218 297 AYS  O 20 UNCENSORED DEATHS 7 CENSORED DEATH 1 DAYS 309 317 342 345 352 AYS  O 20 UNCENSORED DEATHS 13 CENSORED DEATH 1 DAYS 250 251 282 299 302 302	PLETE UNCENSORED DEATHS 7 CENSORED DEATHS 0 1 DAYS 138 139 217 218 297  O 20 UNCENSORED DEATHS 7 CENSORED DEATHS 0 1 DAYS 309 317 342 345 352  AYS  O 20 UNCENSORED DEATHS 13 CENSORED DEATHS 0 1 DAYS 250 251 282 299 302 302 309	PLETE UNCENSORED DEATHS 7 CENSORED DEATHS 0 TERMINA  1 DAYS 1 38	PLETE UNCENSORED DEATHS 7 CENSORED DEATHS 0 TERMINAL 23  1 DAYS 1 38 1 39 2 17 2 18 2 97  O 20 UNCENSORED DEATHS 7 CENSORED DEATHS 0 TERMINAL 23  1 DAYS 3 09 3 17 3 42 3 45 3 52  AYS  O 20 UNCENSORED DEATHS 13 CENSORED DEATHS 0 TERMINAL 23  1 DAYS 2 50 2 51 2 82 2 99 3 02 3 02 3 09 3 34 3 41	PLETE UNCENSORED DEATHS 7 CENSORED DEATHS 0 TERMINAL 23  1 DAYS 138 139 217 218 297  AYS  0 20 UNCENSORED DEATHS 7 CENSORED DEATHS 0 TERMINAL 23  1 DAYS 309 317 342 345 352  AYS  UNCENSORED DEATHS 13 CENSORED DEATHS 0 TERMINAL 17  1 DAYS 250 251 282 299 302 302 309 334 341 352	UNCENSORED DEATHS 7 CENSORED DEATHS 0 TERMINAL 23  138

<sup>(</sup>A) FIRST TERMINAL SACRIFICE

<sup>(</sup>B) THE FIRST ENTRY IS THE TREND TEST (TARONE, 1975) RESULT. SUBSEQUENT ENTRIES ARE THE RESULTS OF PAIRWISE TESTS (COX, 1972). NEGATIVE TRENDS ARE INDICATED BY "N".

<sup>(</sup>C) MEAN OF ALL UNCENSORED DEATHS PRIOR TO TERMINAL SACRIFICE

<sup>(</sup>D) MEAN OF ALL DEATHS (UNCENSORED, CENSORED, TERMINAL SACRIFICE)

Test Type: INIT/PROMOT

Route: SKIN APPLICATION
Species/Strain: Mouse/SENCAR

P11: STATISTICAL ANALYSIS OF SURVIVAL DATA

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

CAS Number: INIT/PROM

Date Report Requested: 10/21/2014
Time Report Requested: 07:05:34

First Dose M/F: NA / NA

Lab: BAT

### Male MOUSE FIRST TERMINAL SACRIFICE AT 362 DAYS

# KAPLAN-MEIER SURVIVAL PROBABILITY ESTIMATES (%)

DOSE					TIME	(DAYS)				
	37	74	111	148	185	222	259	296	333	362(A)
VEHICLE CONTROL	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	96.7	93.3
DMBA0.25/ACETONE	100.0	100.0	100.0	100.0	100.0	100.0	100.0	96.7	90.0	90.0
DMBA0.25/ TPA 5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
DMBA 2.5/ACETONE	100.0	100.0	100.0	96.6	93.1	93.1	93.1	93.1	93.1	93.1
DMBA2.5/COMPLETE	100.0	100.0	100.0	96.7	96.7	90.0	86.7	73.3	50.0	36.7
DMBA 2.5/ TPA 5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
DMBA 25/ACETONE	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	96.8	96.8
DMBA 25/ TPA 5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
<b>BPO 20/ COMPLETE</b>	96.7	96.7	93.3	86.7	86.7	80.0	80.0	80.0	76.7	76.7
DMBA 2.5/ BPO 20	100.0	96.7	96.7	96.7	96.7	96.7	96.7	93.3	86.7	76.7
DMBA 25/ BPO 20	100.0	100.0	100.0	100.0	96.7	93.3	86.7	83.3	70.0	56.7

<sup>(</sup>A) FIRST TERMINAL SACRIFICE

<sup>(</sup>B) THE FIRST ENTRY IS THE TREND TEST (TARONE, 1975) RESULT. SUBSEQUENT ENTRIES ARE THE RESULTS OF PAIRWISE TESTS (COX, 1972). NEGATIVE TRENDS ARE INDICATED BY "N".

<sup>(</sup>C) MEAN OF ALL UNCENSORED DEATHS PRIOR TO TERMINAL SACRIFICE

<sup>(</sup>D) MEAN OF ALL DEATHS (UNCENSORED, CENSORED, TERMINAL SACRIFICE)

Species/Strain: Mouse/SENCAR

Test Type: INIT/PROMOT

**Route: SKIN APPLICATION** 

P11: STATISTICAL ANALYSIS OF SURVIVAL DATA

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

CAS Number: INIT/PROM

Date Report Requested: 10/21/2014 Time Report Requested: 07:05:34

First Dose M/F: NA / NA

Lab: BAT

### Male MOUSE FIRST TERMINAL SACRIFICE AT 362 DAYS

DOSE	VEHICLE CONTROL	DMBA0.25/ACETONE	DMBA0.25/ TPA 5	DMBA 2.5/ACETONE
SURVIVAL AT END OF STUDY	93.3%	90.0%	100.0%	93.1%
(KAPLAN-MEIER)				
SIGNIFICANCE (B)	P=0.036	P=0.963		P=1.000
(LIFE TABLE)				
MEAN DAY OF NATURAL DEATHS (C)	328.5	297.3		135.0
(STANDARD ERROR)	(26.5)	(19.9)	(.)	(15.0)
MEAN LIFE SPAN (D)	359.8	355.5	•	346.3
(STANDARD ERROR)	(2.0)	(4.0)	(.)	(10.9)

<sup>(</sup>A) FIRST TERMINAL SACRIFICE

<sup>(</sup>B) THE FIRST ENTRY IS THE TREND TEST (TARONE, 1975) RESULT. SUBSEQUENT ENTRIES ARE THE RESULTS OF PAIRWISE TESTS (COX, 1972). NEGATIVE TRENDS ARE INDICATED BY "N".

<sup>(</sup>C) MEAN OF ALL UNCENSORED DEATHS PRIOR TO TERMINAL SACRIFICE

<sup>(</sup>D) MEAN OF ALL DEATHS (UNCENSORED, CENSORED, TERMINAL SACRIFICE)

Test Type: INIT/PROMOT

Route: SKIN APPLICATION
Species/Strain: Mouse/SENCAR

P11: STATISTICAL ANALYSIS OF SURVIVAL DATA

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

CAS Number: INIT/PROM

Date Report Requested: 10/21/2014 Time Report Requested: 07:05:34

First Dose M/F: NA / NA

Lab: BAT

### Male MOUSE FIRST TERMINAL SACRIFICE AT 362 DAYS

DOSE	DMBA2.5/COMPLETE	DMBA 2.5/ TPA 5	DMBA 25/ACETONE	DMBA 25/ TPA 5
SURVIVAL AT END OF STUDY	36.7%	100.0%	96.8%	100.0%
(KAPLAN-MEIER)				
SIGNIFICANCE (B)	P=0.000		P=0.969N	
(LIFE TABLE)				
MEAN DAY OF NATURAL DEATHS (C)	291.3		328.0	
(STANDARD ERROR)	(13.0)	(.)	(.)	(.)
MEAN LIFE SPAN (D)	317.2		360.9	
(STANDARD ERROR)	(10.3)	(.)	(1.1)	(.)

<sup>(</sup>A) FIRST TERMINAL SACRIFICE

<sup>(</sup>B) THE FIRST ENTRY IS THE TREND TEST (TARONE, 1975) RESULT. SUBSEQUENT ENTRIES ARE THE RESULTS OF PAIRWISE TESTS (COX, 1972). NEGATIVE TRENDS ARE INDICATED BY "N".

<sup>(</sup>C) MEAN OF ALL UNCENSORED DEATHS PRIOR TO TERMINAL SACRIFICE

<sup>(</sup>D) MEAN OF ALL DEATHS (UNCENSORED, CENSORED, TERMINAL SACRIFICE)

Species/Strain: Mouse/SENCAR

Test Type: INIT/PROMOT

**Route: SKIN APPLICATION** 

P11: STATISTICAL ANALYSIS OF SURVIVAL DATA

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

CAS Number: INIT/PROM

Date Report Requested: 10/21/2014 Time Report Requested: 07:05:34

First Dose M/F: NA / NA

Lab: BAT

### Male MOUSE FIRST TERMINAL SACRIFICE AT 362 DAYS

DOSE	BPO 20/ COMPLETE	DMBA 2.5/ BPO 20	DMBA 25/ BPO 20
SURVIVAL AT END OF STUDY	76.7%	76.7%	56.7%
(KAPLAN-MEIER)			
SIGNIFICANCE (B)	P=0.122	P=0.138	P=0.002
(LIFE TABLE)			
MEAN DAY OF NATURAL DEATHS (C)	160.0	287.7	290.2
(STANDARD ERROR)	(34.4)	(39.5)	(15.2)
MEAN LIFE SPAN (D)	314.9	344.7	330.9
(STANDARD ERROR)	(17.6)	(10.5)	(9.2)

<sup>(</sup>A) FIRST TERMINAL SACRIFICE

<sup>(</sup>B) THE FIRST ENTRY IS THE TREND TEST (TARONE, 1975) RESULT. SUBSEQUENT ENTRIES ARE THE RESULTS OF PAIRWISE TESTS (COX, 1972). NEGATIVE TRENDS ARE INDICATED BY "N".

<sup>(</sup>C) MEAN OF ALL UNCENSORED DEATHS PRIOR TO TERMINAL SACRIFICE

<sup>(</sup>D) MEAN OF ALL DEATHS (UNCENSORED, CENSORED, TERMINAL SACRIFICE)

Species/Strain: Mouse/SENCAR

Test Type: INIT/PROMOT

**Route: SKIN APPLICATION** 

P11: STATISTICAL ANALYSIS OF SURVIVAL DATA

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

**CAS Number:** INIT/PROM

Date Report Requested: 10/21/2014
Time Report Requested: 07:05:34

First Dose M/F: NA / NA

Lab: BAT

Female MOUSE
FIRST TERMINAL SACRIFICE AT 362 DAYS
INDIVIDUAL SURVIVAL TIMES (DAYS)

IIID	INDUAL SOLVIVAL TIMES (DAT	3)	
UNCENSORED DEATHS 3	CENSORED DEATHS 0	TERMINAL 27	
UNCENSORED DEATHS 1	CENSORED DEATHS 0	TERMINAL 29	
UNCENSORED DEATHS 0	CENSORED DEATHS 0	TERMINAL 0	
UNCENSORED DEATHS 1	CENSORED DEATHS 0	TERMINAL 30	
	UNCENSORED DEATHS 1  UNCENSORED DEATHS 0	UNCENSORED DEATHS 1 CENSORED DEATHS 0  UNCENSORED DEATHS 1 CENSORED DEATHS 0  UNCENSORED DEATHS 0 CENSORED DEATHS 0	UNCENSORED DEATHS 1 CENSORED DEATHS 0 TERMINAL 29  UNCENSORED DEATHS 0 CENSORED DEATHS 0 TERMINAL 0

<sup>(</sup>A) FIRST TERMINAL SACRIFICE

<sup>(</sup>B) THE FIRST ENTRY IS THE TREND TEST (TARONE, 1975) RESULT. SUBSEQUENT ENTRIES ARE THE RESULTS OF PAIRWISE TESTS (COX, 1972). NEGATIVE TRENDS ARE INDICATED BY "N".

<sup>(</sup>C) MEAN OF ALL UNCENSORED DEATHS PRIOR TO TERMINAL SACRIFICE

<sup>(</sup>D) MEAN OF ALL DEATHS (UNCENSORED, CENSORED, TERMINAL SACRIFICE)

Species/Strain: Mouse/SENCAR

Test Type: INIT/PROMOT

**Route: SKIN APPLICATION** 

P11: STATISTICAL ANALYSIS OF SURVIVAL DATA

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

CAS Number: INIT/PROM

Date Report Requested: 10/21/2014
Time Report Requested: 07:05:34

First Dose M/F: NA / NA

Lab: BAT

# FEMALE MOUSE FIRST TERMINAL SACRIFICE AT 362 DAYS INDIVIDUAL SURVIVAL TIMES (DAYS)

					וטאו	VIDUAL 50	RVIVAL IIM	E9 (DA 19)					
DOSE =	DMBA2.5/0	OMPLETE	•										
TOTAL:	30		UNCENSORED DEATHS 20			CENSO	RED DEATH	IS 0	TERMIN	IAL 10			
UNCEN	SORED DE	ATH DAYS											
235	250	250	250	251	266	286	298	298	299	310	316	340	341
341	352	352	357	359	359								
CENSO	RED DEATH	I DAYS											
none													
DOSE =	TPA 5/ CO	MPLETE											
TOTAL:	30		UNCEN	SORED DE	ATHS 0	CENSO	RED DEATH	IS 0	TERMIN	IAL 0			
UNCEN	SORED DE	ATH DAYS											
none													
CENSO	RED DEATH	1 DAYS											
none													
DOSE =	DMBA 2.5/	TPA 5											
TOTAL:	30		UNCEN	SORED DE	ATHS 0	CENSO	RED DEATH	IS 0	TERMIN	IAL 0			
UNCEN	SORED DE	ATH DAYS											
none													
CENSO	RED DEATH	I DAYS											
none													
	: DMBA 25/A	CETONE											
TOTAL:	-		UNCEN	SORED DE	ATHS 1	CENSO	RED DEATH	IS 0	TERMIN	IAL 28			
UNCEN	SORED DE	ATH DAYS											
350													
CENSO	RED DEATH	1 DAYS											
none													

<sup>(</sup>A) FIRST TERMINAL SACRIFICE

<sup>(</sup>B) THE FIRST ENTRY IS THE TREND TEST (TARONE, 1975) RESULT. SUBSEQUENT ENTRIES ARE THE RESULTS OF PAIRWISE TESTS (COX, 1972). NEGATIVE TRENDS ARE INDICATED BY "N".

<sup>(</sup>C) MEAN OF ALL UNCENSORED DEATHS PRIOR TO TERMINAL SACRIFICE

<sup>(</sup>D) MEAN OF ALL DEATHS (UNCENSORED, CENSORED, TERMINAL SACRIFICE)

Species/Strain: Mouse/SENCAR

Test Type: INIT/PROMOT

**Route: SKIN APPLICATION** 

P11: STATISTICAL ANALYSIS OF SURVIVAL DATA

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

CAS Number: INIT/PROM

Date Report Requested: 10/21/2014 Time Report Requested: 07:05:34

First Dose M/F: NA / NA

Lab: BAT

## Female MOUSE FIRST TERMINAL SACRIFICE AT 362 DAYS INDIVIDUAL SURVIVAL TIMES (DAYS)

			טאוו	IVIDUAL 30	KVIVAL IIIVI	ES (DATS)		
DOSE = DMBA 25/ TPA 5		·	•					_
TOTAL 30	UNCEN	ISORED DE	ATHS 0	CENSO	RED DEATH	IS 0	TERMINAL 0	
UNCENSORED DEATH DAY	'S							
none								
CENSORED DEATH DAYS								
none								
DOSE = BPO 20/ COMPLET	E							
TOTAL 30	UNCEN	ISORED DE	ATHS 2	CENSO	RED DEATH	IS 0	TERMINAL 28	
UNCENSORED DEATH DAY	'S							
316 333								
CENSORED DEATH DAYS								
none								
DOSE = DMBA 2.5/ BPO 20								
TOTAL 30	UNCEN	ISORED DE	ATHS 9	CENSO	RED DEATH	IS 0	TERMINAL 21	
UNCENSORED DEATH DAY	'S							
182 273 295	295	298	333	334	340	352		
CENSORED DEATH DAYS								
none								
DOSE = DMBA 25/ BPO 20								
TOTAL 30	UNCEN	ISORED DE	ATHS 7	CENSO	RED DEATH	IS 0	TERMINAL 23	
UNCENSORED DEATH DAY	′S							
117 120 250	310	320	323	342				
CENSORED DEATH DAYS								
none								

<sup>(</sup>A) FIRST TERMINAL SACRIFICE

<sup>(</sup>B) THE FIRST ENTRY IS THE TREND TEST (TARONE, 1975) RESULT. SUBSEQUENT ENTRIES ARE THE RESULTS OF PAIRWISE TESTS (COX, 1972). NEGATIVE TRENDS ARE INDICATED BY "N".

<sup>(</sup>C) MEAN OF ALL UNCENSORED DEATHS PRIOR TO TERMINAL SACRIFICE

<sup>(</sup>D) MEAN OF ALL DEATHS (UNCENSORED, CENSORED, TERMINAL SACRIFICE)

Species/Strain: Mouse/SENCAR

Test Type: INIT/PROMOT

**Route: SKIN APPLICATION** 

P11: STATISTICAL ANALYSIS OF SURVIVAL DATA

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

CAS Number: INIT/PROM

Date Report Requested: 10/21/2014
Time Report Requested: 07:05:34

First Dose M/F: NA / NA

Lab: BAT

## Female MOUSE FIRST TERMINAL SACRIFICE AT 362 DAYS

# KAPLAN-MEIER SURVIVAL PROBABILITY ESTIMATES (%)

DOSE	TIME (DAYS)									
	37	74	111	148	185	222	259	296	333	362(A)
VEHICLE CONTROL	96.7	96.7	96.7	96.7	96.7	96.7	96.7	93.3	90.0	90.0
DMBA0.25/ACETONE	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	96.7
DMBA0.25/ TPA 5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
DMBA 2.5/ACETONE	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	96.8
DMBA2.5/COMPLETE	100.0	100.0	100.0	100.0	100.0	100.0	83.3	76.7	60.0	33.3
TPA 5/ COMPLETE	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
DMBA 2.5/ TPA 5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
DMBA 25/ACETONE	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	96.6
DMBA 25/ TPA 5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
<b>BPO 20/ COMPLETE</b>	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	93.3	93.3
DMBA 2.5/ BPO 20	100.0	100.0	100.0	100.0	96.7	96.7	96.7	86.7	80.0	70.0
DMBA 25/ BPO 20	100.0	100.0	100.0	93.3	93.3	93.3	90.0	90.0	80.0	76.7

<sup>(</sup>A) FIRST TERMINAL SACRIFICE

<sup>(</sup>B) THE FIRST ENTRY IS THE TREND TEST (TARONE, 1975) RESULT. SUBSEQUENT ENTRIES ARE THE RESULTS OF PAIRWISE TESTS (COX, 1972). NEGATIVE TRENDS ARE INDICATED BY "N".

<sup>(</sup>C) MEAN OF ALL UNCENSORED DEATHS PRIOR TO TERMINAL SACRIFICE

<sup>(</sup>D) MEAN OF ALL DEATHS (UNCENSORED, CENSORED, TERMINAL SACRIFICE)

Test Type: INIT/PROMOT

Route: SKIN APPLICATION
Species/Strain: Mouse/SENCAR

P11: STATISTICAL ANALYSIS OF SURVIVAL DATA

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

CAS Number: INIT/PROM

Date Report Requested: 10/21/2014 Time Report Requested: 07:05:34

First Dose M/F: NA / NA

Lab: BAT

# Female MOUSE FIRST TERMINAL SACRIFICE AT 362 DAYS

DOSE	VEHICLE CONTROL	DMBA0.25/ACETONE	DMBA0.25/ TPA 5	DMBA 2.5/ACETONE	
SURVIVAL AT END OF STUDY	90.0%	96.7%	100.0%	96.8%	
(KAPLAN-MEIER)					
SIGNIFICANCE (B)	P=0.682	P=0.581N		P=0.558N	
(LIFE TABLE)					
MEAN DAY OF NATURAL DEATHS (C)	196.3	349.0		350.0	
(STANDARD ERROR)	(87.6)	(.)	(.)	(.)	
MEAN LIFE SPAN (D)	345.4	361.6		361.6	
(STANDARD ERROR)	(11.7)	(0.4)	(.)	(0.4)	

<sup>(</sup>A) FIRST TERMINAL SACRIFICE

<sup>(</sup>B) THE FIRST ENTRY IS THE TREND TEST (TARONE, 1975) RESULT. SUBSEQUENT ENTRIES ARE THE RESULTS OF PAIRWISE TESTS (COX, 1972). NEGATIVE TRENDS ARE INDICATED BY "N".

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<sup>(</sup>D) MEAN OF ALL DEATHS (UNCENSORED, CENSORED, TERMINAL SACRIFICE)

Test Type: INIT/PROMOT

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P11: STATISTICAL ANALYSIS OF SURVIVAL DATA

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

CAS Number: INIT/PROM

Date Report Requested: 10/21/2014 Time Report Requested: 07:05:34

First Dose M/F: NA / NA

Lab: BAT

# Female MOUSE FIRST TERMINAL SACRIFICE AT 362 DAYS

DOSE	DMBA2.5/COMPLETE	TPA 5/ COMPLETE	DMBA 2.5/ TPA 5	DMBA 25/ACETONE
SURVIVAL AT END OF STUDY	33.3%	100.0%	100.0%	96.6%
(KAPLAN-MEIER)				
SIGNIFICANCE (B)	P=0.000			P=0.604N
(LIFE TABLE)				
MEAN DAY OF NATURAL DEATHS (C)	305.5			350.0
(STANDARD ERROR)	(9.7)	(.)	(.)	(.)
MEAN LIFE SPAN (D)	324.3			361.6
(STANDARD ERROR)	(8.1)	(.)	(.)	(0.4)

<sup>(</sup>A) FIRST TERMINAL SACRIFICE

<sup>(</sup>B) THE FIRST ENTRY IS THE TREND TEST (TARONE, 1975) RESULT. SUBSEQUENT ENTRIES ARE THE RESULTS OF PAIRWISE TESTS (COX, 1972). NEGATIVE TRENDS ARE INDICATED BY "N".

<sup>(</sup>C) MEAN OF ALL UNCENSORED DEATHS PRIOR TO TERMINAL SACRIFICE

<sup>(</sup>D) MEAN OF ALL DEATHS (UNCENSORED, CENSORED, TERMINAL SACRIFICE)

Test Type: INIT/PROMOT

Route: SKIN APPLICATION
Species/Strain: Mouse/SENCAR

P11: STATISTICAL ANALYSIS OF SURVIVAL DATA

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

CAS Number: INIT/PROM

Date Report Requested: 10/21/2014 Time Report Requested: 07:05:34

First Dose M/F: NA / NA

Lab: BAT

# Female MOUSE FIRST TERMINAL SACRIFICE AT 362 DAYS

DOSE	DMBA 25/ TPA 5	BPO 20/ COMPLETE	DMBA 2.5/ BPO 20	DMBA 25/ BPO 20	
SURVIVAL AT END OF STUDY	100.0%	93.3%	70.0%	76.7%	
(KAPLAN-MEIER)					
SIGNIFICANCE (B)		P=0.950N	P=0.123	P=0.316	
(LIFE TABLE)					
MEAN DAY OF NATURAL DEATHS (C)		324.5	300.2	254.6	
(STANDARD ERROR)	(.)	(8.5)	(17.2)	(36.8)	
MEAN LIFE SPAN (D)		359.5	343.5	336.9	
(STANDARD ERROR)	(.)	(1.8)	(7.2)	(11.7)	

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<sup>(</sup>D) MEAN OF ALL DEATHS (UNCENSORED, CENSORED, TERMINAL SACRIFICE)

Test Type: INIT/PROMOT

Species/Strain: Mouse/SENCAR

**Route: SKIN APPLICATION** 

P11: STATISTICAL ANALYSIS OF SURVIVAL DATA

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

CAS Number: INIT/PROM

Date Report Requested: 10/21/2014 Time Report Requested: 07:05:34

First Dose M/F: NA / NA

Lab: BAT

\*\* END OF REPORT \*\*

<sup>(</sup>A) FIRST TERMINAL SACRIFICE

<sup>(</sup>B) THE FIRST ENTRY IS THE TREND TEST (TARONE, 1975) RESULT. SUBSEQUENT ENTRIES ARE THE RESULTS OF PAIRWISE TESTS (COX, 1972). NEGATIVE TRENDS ARE INDICATED BY "N".

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