

Experiment Number: 05117-01
Test Type: INIT/PROMOT
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P11: STATISTICAL ANALYSIS OF SURVIVAL DATA
Test Compound: Init/prom comparative mouse study (DMBA/TPA/BPO/MNNG)
CAS Number: INIT/PROM

Date Report Requested: 10/20/2014
Time Report Requested: 23:48:11
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: 04/26/1994

Experiment Number: 05117-01
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Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

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

Male MOUSE
FIRST TERMINAL SACRIFICE AT 365 DAYS
INDIVIDUAL SURVIVAL TIMES (DAYS)

DOSE = VEHICLE CONTROL			
TOTAL 30	UNCENSORED DEATHS 4	CENSORED DEATHS 0	TERMINAL 26
UNCENSORED DEATH DAYS			
234	234	337	354
CENSORED DEATH DAYS			
none			
DOSE = DMBA 2.5/ACETONE			
TOTAL 30	UNCENSORED DEATHS 0	CENSORED DEATHS 0	TERMINAL 30
UNCENSORED DEATH DAYS			
none			
CENSORED DEATH DAYS			
none			
DOSE = DMBA2.5/COMPLETE			
TOTAL 30	UNCENSORED DEATHS 4	CENSORED DEATHS 0	TERMINAL 26
UNCENSORED DEATH DAYS			
316	338	340	354
CENSORED DEATH DAYS			
none			
DOSE = TPA 5/ COMPLETE			
TOTAL 30	UNCENSORED DEATHS 1	CENSORED DEATHS 0	TERMINAL 29
UNCENSORED DEATH DAYS			
268			
CENSORED DEATH DAYS			
none			

(A) FIRST TERMINAL SACRIFICE

(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".

(C) MEAN OF ALL UNCENSORED DEATHS PRIOR TO TERMINAL SACRIFICE

(D) MEAN OF ALL DEATHS (UNCENSORED, CENSORED, TERMINAL SACRIFICE)

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

Male MOUSE
FIRST TERMINAL SACRIFICE AT 365 DAYS
INDIVIDUAL SURVIVAL TIMES (DAYS)

DOSE = DMBA 2.5/ TPA 5			
TOTAL 30	UNCENSORED DEATHS 0	CENSORED DEATHS 0	TERMINAL 30
UNCENSORED DEATH DAYS			
none			
CENSORED DEATH DAYS			
none			
DOSE = DMBA 25 /ACETONE			
TOTAL 30	UNCENSORED DEATHS 0	CENSORED DEATHS 1	TERMINAL 29
UNCENSORED DEATH DAYS			
none			
CENSORED DEATH DAYS			
123			
DOSE = DMBA 25/ TPA 5			
TOTAL 30	UNCENSORED DEATHS 1	CENSORED DEATHS 0	TERMINAL 29
UNCENSORED DEATH DAYS			
312			
CENSORED DEATH DAYS			
none			
DOSE = DMBA 50 /ACETONE			
TOTAL 30	UNCENSORED DEATHS 0	CENSORED DEATHS 0	TERMINAL 30
UNCENSORED DEATH DAYS			
none			
CENSORED DEATH DAYS			
none			

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

Male MOUSE
FIRST TERMINAL SACRIFICE AT 365 DAYS
INDIVIDUAL SURVIVAL TIMES (DAYS)

DOSE = DMBA 50/ TPA 5			
TOTAL 30	UNCENSORED DEATHS 3	CENSORED DEATHS 1	TERMINAL 26
UNCENSORED DEATH DAYS			
312	340	348	
CENSORED DEATH DAYS			
65			
DOSE = BPO 20/ COMPLETE			
TOTAL 30	UNCENSORED DEATHS 0	CENSORED DEATHS 0	TERMINAL 30
UNCENSORED DEATH DAYS			
none			
CENSORED DEATH DAYS			
none			
DOSE = DMBA 2.5/BPO 20			
TOTAL 30	UNCENSORED DEATHS 3	CENSORED DEATHS 0	TERMINAL 27
UNCENSORED DEATH DAYS			
13	340	348	
CENSORED DEATH DAYS			
none			
DOSE = DMBA 25/ BPO 20			
TOTAL 30	UNCENSORED DEATHS 0	CENSORED DEATHS 0	TERMINAL 30
UNCENSORED DEATH DAYS			
none			
CENSORED DEATH DAYS			
none			

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

Male MOUSE
FIRST TERMINAL SACRIFICE AT 365 DAYS

KAPLAN-MEIER SURVIVAL PROBABILITY ESTIMATES (%)

DOSE	TIME (DAYS)									
	37	74	111	148	185	222	259	296	333	365(A)
VEHICLE CONTROL	100.0	100.0	100.0	100.0	100.0	100.0	93.3	93.3	93.3	86.7
DMBA 2.5/ACETONE	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
DMBA2.5/COMPLETE	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	96.7	86.7
TPA 5/ COMPLETE	100.0	100.0	100.0	100.0	100.0	100.0	100.0	96.7	96.7	96.7
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	100.0	100.0
DMBA 25/ TPA 5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	96.7	96.7
DMBA 50 /ACETONE	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
DMBA 50/ TPA 5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	96.6	89.7
BPO 20/ COMPLETE	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
DMBA 2.5/BPO 20	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	90.0
DMBA 25/ BPO 20	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

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(C) MEAN OF ALL UNCENSORED DEATHS PRIOR TO TERMINAL SACRIFICE

(D) MEAN OF ALL DEATHS (UNCENSORED, CENSORED, TERMINAL SACRIFICE)

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

Male MOUSE
FIRST TERMINAL SACRIFICE AT 365 DAYS

SURVIVAL SUMMARY STATISTICS

DOSE	VEHICLE CONTROL	DMBA 2.5/ACETONE	DMBA2.5/COMPLETE	TPA 5/ COMPLETE
SURVIVAL AT END OF STUDY (KAPLAN-MEIER)	86.7%	100.0%	86.7%	96.7%
SIGNIFICANCE (B) (LIFE TABLE)	P=0.752N	P=0.121N	P=1.000N	P=0.349N
MEAN DAY OF NATURAL DEATHS (C) (STANDARD ERROR)	289.8 (32.4)	. (.)	337.0 (7.9)	268.0 (.)
MEAN LIFE SPAN (D) (STANDARD ERROR)	355.0 (6.1)	365.0 (0.0)	361.3 (2.0)	361.8 (3.2)

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(D) MEAN OF ALL DEATHS (UNCENSORED, CENSORED, TERMINAL SACRIFICE)

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

Male MOUSE
FIRST TERMINAL SACRIFICE AT 365 DAYS

SURVIVAL SUMMARY STATISTICS

DOSE	DMBA 2.5/ TPA 5	DMBA 25 /ACETONE	DMBA 25/ TPA 5	DMBA 50 /ACETONE
SURVIVAL AT END OF STUDY (KAPLAN-MEIER)	100.0%	100.0%	96.7%	100.0%
SIGNIFICANCE (B) (LIFE TABLE)	P=0.121N	P=0.129N	P=0.349N	P=0.121N
MEAN DAY OF NATURAL DEATHS (C) (STANDARD ERROR)	.	.	312.0	.
	(.)	(.)	(.)	(.)
MEAN LIFE SPAN (D) (STANDARD ERROR)	365.0	356.9	363.2	365.0
	(0.0)	(8.1)	(1.8)	(0.0)

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(D) MEAN OF ALL DEATHS (UNCENSORED, CENSORED, TERMINAL SACRIFICE)

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Lab: BAT

Male MOUSE
FIRST TERMINAL SACRIFICE AT 365 DAYS

SURVIVAL SUMMARY STATISTICS

DOSE	DMBA 50/ TPA 5	BPO 20/ COMPLETE	DMBA 2.5/BPO 20	DMBA 25/ BPO 20
SURVIVAL AT END OF STUDY (KAPLAN-MEIER)	89.7%	100.0%	90.0%	100.0%
SIGNIFICANCE (B) (LIFE TABLE)	P=1.000N	P=0.121N	P=0.989N	P=0.121N
MEAN DAY OF NATURAL DEATHS (C) (STANDARD ERROR)	333.3 (10.9)	. (.)	233.7 (110.4)	. (.)
MEAN LIFE SPAN (D) (STANDARD ERROR)	351.8 (10.1)	365.0 (0.0)	351.9 (11.7)	365.0 (0.0)

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

Female MOUSE
 FIRST TERMINAL SACRIFICE AT 365 DAYS
 INDIVIDUAL SURVIVAL TIMES (DAYS)

DOSE = VEHICLE CONTROL			
TOTAL 30	UNCENSORED DEATHS 0	CENSORED DEATHS 0	TERMINAL 30
UNCENSORED DEATH DAYS			
none			
CENSORED DEATH DAYS			
none			
DOSE = DMBA 2.5/ACETONE			
TOTAL 30	UNCENSORED DEATHS 1	CENSORED DEATHS 0	TERMINAL 29
UNCENSORED DEATH DAYS			
174			
CENSORED DEATH DAYS			
none			
DOSE = DMBA2.5/COMPLETE			
TOTAL 30	UNCENSORED DEATHS 4	CENSORED DEATHS 0	TERMINAL 26
UNCENSORED DEATH DAYS			
296	311	340	347
CENSORED DEATH DAYS			
none			
DOSE = TPA 5/ COMPLETE			
TOTAL 30	UNCENSORED DEATHS 0	CENSORED DEATHS 0	TERMINAL 30
UNCENSORED DEATH DAYS			
none			
CENSORED DEATH DAYS			
none			

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Lab: BAT

Female MOUSE
FIRST TERMINAL SACRIFICE AT 365 DAYS
INDIVIDUAL SURVIVAL TIMES (DAYS)

DOSE = DMBA 2.5/ TPA 5			
TOTAL 30	UNCENSORED DEATHS 0	CENSORED DEATHS 0	TERMINAL 30
UNCENSORED DEATH DAYS			
none			
CENSORED DEATH DAYS			
none			
DOSE = DMBA 25 /ACETONE			
TOTAL 30	UNCENSORED DEATHS 0	CENSORED DEATHS 0	TERMINAL 30
UNCENSORED DEATH DAYS			
none			
CENSORED DEATH DAYS			
none			
DOSE = DMBA 25/ TPA 5			
TOTAL 30	UNCENSORED DEATHS 2	CENSORED DEATHS 0	TERMINAL 28
UNCENSORED DEATH DAYS			
264	360		
CENSORED DEATH DAYS			
none			
DOSE = DMBA 50 /ACETONE			
TOTAL 30	UNCENSORED DEATHS 0	CENSORED DEATHS 0	TERMINAL 30
UNCENSORED DEATH DAYS			
none			
CENSORED DEATH DAYS			
none			

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

Female MOUSE
FIRST TERMINAL SACRIFICE AT 365 DAYS
INDIVIDUAL SURVIVAL TIMES (DAYS)

DOSE = DMBA 50/ TPA 5			
TOTAL 30	UNCENSORED DEATHS 3	CENSORED DEATHS 0	TERMINAL 27
UNCENSORED DEATH DAYS			
227	242	348	
CENSORED DEATH DAYS			
none			
DOSE = BPO 20/ COMPLETE			
TOTAL 30	UNCENSORED DEATHS 2	CENSORED DEATHS 1	TERMINAL 27
UNCENSORED DEATH DAYS			
201	261		
CENSORED DEATH DAYS			
145			
DOSE = DMBA 2.5/ BPO 20			
TOTAL 30	UNCENSORED DEATHS 2	CENSORED DEATHS 0	TERMINAL 28
UNCENSORED DEATH DAYS			
4	340		
CENSORED DEATH DAYS			
none			
DOSE = DMBA 25/ BPO 20			
TOTAL 30	UNCENSORED DEATHS 1	CENSORED DEATHS 0	TERMINAL 29
UNCENSORED DEATH DAYS			
118			
CENSORED DEATH DAYS			
none			

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Female MOUSE
FIRST TERMINAL SACRIFICE AT 365 DAYS

KAPLAN-MEIER SURVIVAL PROBABILITY ESTIMATES (%)

DOSE	TIME (DAYS)									
	37	74	111	148	185	222	259	296	333	365(A)
VEHICLE CONTROL	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	96.7	96.7	96.7	96.7	96.7	96.7
DMBA2.5/COMPLETE	100.0	100.0	100.0	100.0	100.0	100.0	100.0	96.7	93.3	86.7
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	100.0
DMBA 25/ TPA 5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	96.7	96.7	93.3
DMBA 50 /ACETONE	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
DMBA 50/ TPA 5	100.0	100.0	100.0	100.0	100.0	100.0	93.3	93.3	93.3	90.0
BPO 20/ COMPLETE	100.0	100.0	100.0	100.0	100.0	96.6	96.6	93.1	93.1	93.1
DMBA 2.5/ BPO 20	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	93.3
DMBA 25/ BPO 20	100.0	100.0	100.0	96.7	96.7	96.7	96.7	96.7	96.7	96.7

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

Female MOUSE
FIRST TERMINAL SACRIFICE AT 365 DAYS

SURVIVAL SUMMARY STATISTICS

DOSE	VEHICLE CONTROL	DMBA 2.5/ACETONE	DMBA2.5/COMPLETE	TPA 5/ COMPLETE
SURVIVAL AT END OF STUDY (KAPLAN-MEIER)	100.0%	96.7%	86.7%	100.0%
SIGNIFICANCE (B) (LIFE TABLE)	P=0.610	P=1.000	P=0.120	-----
MEAN DAY OF NATURAL DEATHS (C) (STANDARD ERROR)	.	174.0	323.5	.
	(.)	(.)	(12.0)	(.)
MEAN LIFE SPAN (D) (STANDARD ERROR)	365.0	358.6	359.5	365.0
	(0.0)	(6.4)	(3.0)	(0.0)

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Lab: BAT

Female MOUSE
 FIRST TERMINAL SACRIFICE AT 365 DAYS

SURVIVAL SUMMARY STATISTICS

DOSE	DMBA 2.5/ TPA 5	DMBA 25 /ACETONE	DMBA 25/ TPA 5	DMBA 50 /ACETONE
SURVIVAL AT END OF STUDY (KAPLAN-MEIER)	100.0%	100.0%	93.3%	100.0%
SIGNIFICANCE (B) (LIFE TABLE)	-----	-----	P=0.472	-----
MEAN DAY OF NATURAL DEATHS (C) (STANDARD ERROR)	.	.	312.0 (48.0)	.
MEAN LIFE SPAN (D) (STANDARD ERROR)	365.0 (0.0)	365.0 (0.0)	361.5 (3.4)	365.0 (0.0)

(A) FIRST TERMINAL SACRIFICE

(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".

(C) MEAN OF ALL UNCENSORED DEATHS PRIOR TO TERMINAL SACRIFICE

(D) MEAN OF ALL DEATHS (UNCENSORED, CENSORED, TERMINAL SACRIFICE)

Experiment Number: 05117-01
Test Type: INIT/PROMOT
Route: DERMAL,SOLUTION
Species/Strain: Mouse/B6C3F1

P11: STATISTICAL ANALYSIS OF SURVIVAL DATA
Test Compound: Init/prom comparative mouse study (DMBA/TPA/BPO/MNNG)
CAS Number: INIT/PROM

Date Report Requested: 10/20/2014
Time Report Requested: 23:48:11
First Dose M/F: NA / NA
Lab: BAT

Female MOUSE
FIRST TERMINAL SACRIFICE AT 365 DAYS

SURVIVAL SUMMARY STATISTICS

DOSE	DMBA 50/ TPA 5	BPO 20/ COMPLETE	DMBA 2.5/ BPO 20	DMBA 25/ BPO 20
SURVIVAL AT END OF STUDY (KAPLAN-MEIER)	90.0%	93.1%	93.3%	96.7%
SIGNIFICANCE (B) (LIFE TABLE)	P=0.236	P=0.457	P=0.472	P=1.000
MEAN DAY OF NATURAL DEATHS (C) (STANDARD ERROR)	272.3 (38.1)	231.0 (30.0)	172.0 (168.0)	118.0 (.)
MEAN LIFE SPAN (D) (STANDARD ERROR)	355.7 (6.1)	348.7 (9.5)	352.1 (12.0)	356.8 (8.2)

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**** END OF REPORT ****

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(D) MEAN OF ALL DEATHS (UNCENSORED, CENSORED, TERMINAL SACRIFICE)