

Experiment Number: 20606-99
Test Type: 18-33 DAYS
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Mouse/BALB/C

P11: STATISTICAL ANALYSIS OF SURVIVAL DATA

Test Compound: 2,3 butanedione
CAS Number: 431-03-8

Date Report Requested: 10/23/2014
Time Report Requested: 14:03:12
First Dose M/F: NA / NA
Lab: VCU

C Number:	I20606
Lock Date:	02/12/2009
Cage Range:	All
Date Range:	All
Reasons For Removal:	All
Removal Date Range:	All
Treatment Groups:	All
Study Gender:	Female
PWG Approval Date	NONE

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Female MOUSE
FIRST TERMINAL SACRIFICE AT 25 DAYS
INDIVIDUAL SURVIVAL TIMES (DAYS)

DOSE = Air Control

TOTAL 5

UNCENSORED DEATHS 0

CENSORED DEATHS 0

TERMINAL 5

UNCENSORED DEATH DAYS

none

CENSORED DEATH DAYS

none

DOSE = DA 25-ppm

TOTAL 5

UNCENSORED DEATHS 0

CENSORED DEATHS 0

TERMINAL 5

UNCENSORED DEATH DAYS

none

CENSORED DEATH DAYS

none

DOSE = DA 50-ppm

TOTAL 6

UNCENSORED DEATHS 0

CENSORED DEATHS 0

TERMINAL 6

UNCENSORED DEATH DAYS

none

CENSORED DEATH DAYS

none

DOSE = DA 100-ppm

TOTAL 6

UNCENSORED DEATHS 0

CENSORED DEATHS 0

TERMINAL 6

UNCENSORED DEATH DAYS

none

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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KAPLAN-MEIER SURVIVAL PROBABILITY ESTIMATES (%)

DOSE	TIME (DAYS)										
	3	6	9	12	15	18	21	24	27	25(A)	
Air Control	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
DA 25-ppm	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
DA 50-ppm	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
DA 100-ppm	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

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**Female MOUSE
FIRST TERMINAL SACRIFICE AT 25 DAYS**

SURVIVAL SUMMARY STATISTICS

DOSE	Air Control	DA 25-ppm	DA 50-ppm	DA 100-ppm
SURVIVAL AT END OF STUDY (KAPLAN-MEIER)	100.0%	100.0%	100.0%	100.0%
SIGNIFICANCE (B) (LIFE TABLE)	-----	-----	-----	-----
MEAN DAY OF NATURAL DEATHS (C) (STANDARD ERROR)	. (.)	. (.)	. (.)	. (.)
MEAN LIFE SPAN (D) (STANDARD ERROR)	25.0 (0.0)	25.0 (0.0)	25.0 (0.0)	25.0 (0.0)

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