

**Experiment Number:** 20314 - 04  
**Test Type:** CHRONIC  
**Route:** DOSED WATER  
**Species/Strain:** MICE/B6C3F1/NCTR

**P11: STATISTICAL ANALYSIS OF SURVIVAL DATA**  
Glycidamide  
**CAS Number:** 5694-00-8

**Date Report Requested:** 12/17/2014  
**Time Report Requested:** 07:40:57  
**First Dose M/F:** 06/02/05 / 06/02/05  
**Lab:** NCTR

**NTP Study Number:** C20314  
**Lock Date:** 10/03/2011  
**Cage Range:** ALL  
**Date Range:** ALL  
**Reasons For Removal:** ALL  
**Removal Date Range:** ALL  
**Treatment Groups:** Include ALL  
**Study Gender:** Both  
**TDMSE Version:** 3.0.2.2\_002  
**PWG Approval Date:** NONE

Experiment Number: 20314 - 04  
Test Type: CHRONIC  
Route: DOSED WATER  
Species/Strain: MICE/B6C3F1/NCTR

P11: STATISTICAL ANALYSIS OF SURVIVAL DATA  
Glycidamide  
CAS Number: 5694-00-8

Date Report Requested: 12/17/2014  
Time Report Requested: 07:40:57  
First Dose M/F: 06/02/05 / 06/02/05  
Lab: NCTR

**MALE MICE**

FIRST TERMINAL SACRIFICE AT 726 DAYS  
INDIVIDUAL SURVIVAL TIMES (DAYS)

---

**DOSE = CONTROL WATER**

TOTAL 48                      UNCENSORED DEATHS 3                      CENSORED DEATHS 0                      TERMINAL 45  
UNCENSORED DEATH DAYS  
223    694    715  
CENSORED DEATH DAYS  
None

---

**DOSE = 0.0875 GLYCID**

TOTAL 48                      UNCENSORED DEATHS 7                      CENSORED DEATHS 0                      TERMINAL 41  
UNCENSORED DEATH DAYS  
400    526    617    639    652    673    701  
CENSORED DEATH DAYS  
None

---

**DOSE = 0.175 GLYCID**

TOTAL 48                      UNCENSORED DEATHS 14                      CENSORED DEATHS 0                      TERMINAL 34  
UNCENSORED DEATH DAYS  
231    387    519    558    565    603    604    609    618    637    665    687    701    716  
CENSORED DEATH DAYS  
None

---

**DOSE = 0.35 GLYCID**

TOTAL 48                      UNCENSORED DEATHS 20                      CENSORED DEATHS 0                      TERMINAL 28  
UNCENSORED DEATH DAYS  
171    352    413    497    537    548    552    559    563    581    600    637    639    645  
646    660    660    687    719    721  
CENSORED DEATH DAYS  
None

Experiment Number: 20314 - 04  
Test Type: CHRONIC  
Route: DOSED WATER  
Species/Strain: MICE/B6C3F1/NCTR

P11: STATISTICAL ANALYSIS OF SURVIVAL DATA  
Glycidamide  
CAS Number: 5694-00-8

Date Report Requested: 12/17/2014  
Time Report Requested: 07:40:57  
First Dose M/F: 06/02/05 / 06/02/05  
Lab: NCTR

**MALE MICE**

FIRST TERMINAL SACRIFICE AT 726 DAYS  
INDIVIDUAL SURVIVAL TIMES (DAYS)

---

**DOSE = 0.70 GLYCID**

TOTAL 48	UNCENSORED DEATHS 23								CENSORED DEATHS 0				TERMINAL 25
UNCENSORED DEATH DAYS													
99	388	472	530	558	569	574	574	579	583	586	590	604	623
626	653	659	669	694	705	708	708	721					
CENSORED DEATH DAYS													
None													

Experiment Number: 20314 - 04  
Test Type: CHRONIC  
Route: DOSED WATER  
Species/Strain: MICE/B6C3F1/NCTR

P11: STATISTICAL ANALYSIS OF SURVIVAL DATA  
Glycidamide  
CAS Number: 5694-00-8

Date Report Requested: 12/17/2014  
Time Report Requested: 07:40:57  
First Dose M/F: 06/02/05 / 06/02/05  
Lab: NCTR

**MALE MICE**

FIRST TERMINAL SACRIFICE AT 726 DAYS

KAPLAN-MEIER SURVIVAL PROBABILITY ESTIMATES (%)										
DOSE	TIME (DAYS)									
	90	180	270	365	425	485	545	605	665	726(A)
CONTROL WATER	100.0	100.0	97.9	97.9	97.9	97.9	97.9	97.9	97.9	93.8
0.0875 GLYCID	100.0	100.0	100.0	100.0	97.9	97.9	95.8	95.8	89.6	85.4
0.175 GLYCID	100.0	100.0	97.9	97.9	95.8	95.8	93.8	85.4	77.1	70.8
0.35 GLYCID	100.0	97.9	97.9	95.8	93.8	93.8	89.6	77.1	64.6	58.3
0.70 GLYCID	100.0	97.9	97.9	97.9	95.8	93.8	91.7	72.9	64.6	52.1

(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: 20314 - 04  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: MICE/B6C3F1/NCTR

**P11: STATISTICAL ANALYSIS OF SURVIVAL DATA**  
 Glycidamide  
 CAS Number: 5694-00-8

Date Report Requested: 12/17/2014  
 Time Report Requested: 07:40:57  
 First Dose M/F: 06/02/05 / 06/02/05  
 Lab: NCTR

**MALE MICE**

FIRST TERMINAL SACRIFICE AT 726 DAYS

**SURVIVAL SUMMARY STATISTICS**

DOSE	CONTROL WATER	0.0875 GLYCID	0.175 GLYCID	0.35 GLYCID
<b>SURVIVAL AT END OF STUDY</b> (KAPLAN-MEIER)	93.8%	85.4%	70.8%	58.3%
<b>SIGNIFICANCE (B)</b> (LIFE TABLE)	P<0.001	P=0.303	P=0.007	P<0.001
<b>MEAN DAY OF NATURAL DEATHS (C)</b> (STANDARD ERROR)	544.0 (160.6)	601.1 (39.5)	578.6 (34.9)	569.4 (29.7)
<b>MEAN LIFE SPAN (D)</b> (STANDARD ERROR)	714.6 (10.5)	707.8 (8.4)	683.0 (13.9)	660.7 (16.6)

DOSE	0.70 GLYCID
<b>SURVIVAL AT END OF STUDY</b> (KAPLAN-MEIER)	52.1%
<b>SIGNIFICANCE (B)</b> (LIFE TABLE)	P<0.001
<b>MEAN DAY OF NATURAL DEATHS (C)</b> (STANDARD ERROR)	585.7 (27.7)
<b>MEAN LIFE SPAN (D)</b> (STANDARD ERROR)	658.8 (16.6)

(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: 20314 - 04  
Test Type: CHRONIC  
Route: DOSED WATER  
Species/Strain: MICE/B6C3F1/NCTR

P11: STATISTICAL ANALYSIS OF SURVIVAL DATA  
Glycidamide  
CAS Number: 5694-00-8

Date Report Requested: 12/17/2014  
Time Report Requested: 07:40:57  
First Dose M/F: 06/02/05 / 06/02/05  
Lab: NCTR

**FEMALE MICE**

FIRST TERMINAL SACRIFICE AT 733 DAYS  
INDIVIDUAL SURVIVAL TIMES (DAYS)

---

**DOSE = 0.70 GLYCID**

TOTAL 48	UNCENSORED DEATHS 40								CENSORED DEATHS 0				TERMINAL 8	
UNCENSORED DEATH DAYS														
276	282	331	384	394	421	428	477	498	498	520	527	533	534	
541	544	547	548	548	555	558	562	562	576	597	614	614	618	
630	639	645	647	652	653	659	665	687	691	691	697			
CENSORED DEATH DAYS														
None														

Experiment Number: 20314 - 04  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: MICE/B6C3F1/NCTR

P11: STATISTICAL ANALYSIS OF SURVIVAL DATA  
 Glycidamide  
 CAS Number: 5694-00-8

Date Report Requested: 12/17/2014  
 Time Report Requested: 07:40:57  
 First Dose M/F: 06/02/05 / 06/02/05  
 Lab: NCTR

**FEMALE MICE**

FIRST TERMINAL SACRIFICE AT 733 DAYS

KAPLAN-MEIER SURVIVAL PROBABILITY ESTIMATES (%)										
DOSE	TIME (DAYS)									
	90	180	270	365	425	485	545	605	665	733(A)
CONTROL WATER	100.0	100.0	100.0	100.0	97.9	97.9	97.9	95.8	93.8	85.4
0.0875 GLYCID	100.0	100.0	100.0	100.0	100.0	100.0	91.7	91.7	91.7	87.5
0.175 GLYCID	100.0	100.0	100.0	100.0	100.0	100.0	95.8	87.5	85.4	79.2
0.35 GLYCID	100.0	100.0	97.9	97.9	95.8	95.8	87.5	87.5	81.3	64.6
0.70 GLYCID	100.0	100.0	100.0	93.8	87.5	83.3	66.7	47.9	25.0	16.7

(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: 20314 - 04  
Test Type: CHRONIC  
Route: DOSED WATER  
Species/Strain: MICE/B6C3F1/NCTR

P11: STATISTICAL ANALYSIS OF SURVIVAL DATA  
Glycidamide  
CAS Number: 5694-00-8

Date Report Requested: 12/17/2014  
Time Report Requested: 07:40:57  
First Dose M/F: 06/02/05 / 06/02/05  
Lab: NCTR

**FEMALE MICE**

FIRST TERMINAL SACRIFICE AT 733 DAYS

**SURVIVAL SUMMARY STATISTICS**

DOSE	CONTROL WATER	0.0875 GLYCID	0.175 GLYCID	0.35 GLYCID
<b>SURVIVAL AT END OF STUDY</b> (KAPLAN-MEIER)	85.4%	87.5%	79.2%	64.6%
<b>SIGNIFICANCE (B)</b> (LIFE TABLE)	P<0.001	P=1.000N	P=0.553	P=0.030
<b>MEAN DAY OF NATURAL DEATHS (C)</b> (STANDARD ERROR)	627.9 (43.4)	586.2 (36.8)	609.8 (24.0)	601.1 (32.4)
<b>MEAN LIFE SPAN (D)</b> (STANDARD ERROR)	717.7 (8.0)	714.6 (8.3)	707.3 (8.7)	686.3 (14.5)

  

DOSE	0.70 GLYCID
<b>SURVIVAL AT END OF STUDY</b> (KAPLAN-MEIER)	16.7%
<b>SIGNIFICANCE (B)</b> (LIFE TABLE)	P<0.001
<b>MEAN DAY OF NATURAL DEATHS (C)</b> (STANDARD ERROR)	551.1 (17.3)
<b>MEAN LIFE SPAN (D)</b> (STANDARD ERROR)	581.4 (17.4)

\*\*\* END OF REPORT \*\*\*

(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)