

**Experiment Number:** 20314 - 03  
**Test Type:** CHRONIC  
**Route:** DOSED WATER  
**Species/Strain:** RATS/F 344/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:** 05/30/05 / 05/30/05  
**Lab:** NCTR

**NTP Study Number:** C20314  
**Lock Date:** 11/01/2011  
**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 - 03  
Test Type: CHRONIC  
Route: DOSED WATER  
Species/Strain: RATS/F 344/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: 05/30/05 / 05/30/05  
Lab: NCTR

**MALE RATS**

FIRST TERMINAL SACRIFICE AT 737 DAYS  
INDIVIDUAL SURVIVAL TIMES (DAYS)

---

**DOSE = CONTROL WATER**

TOTAL 48                                      UNCENSORED DEATHS 27                                      CENSORED DEATHS 0                                      TERMINAL 21

UNCENSORED DEATH DAYS

403	481	487	487	509	516	523	527	565	592	597	614	628	633
634	635	675	688	698	702	708	709	711	724	725	725	733	

CENSORED DEATH DAYS

None

---

**DOSE = 0.0875 GLYCID**

TOTAL 48                                      UNCENSORED DEATHS 30                                      CENSORED DEATHS 0                                      TERMINAL 18

UNCENSORED DEATH DAYS

323	466	468	477	502	515	559	572	574	592	603	624	625	632
640	641	647	648	649	658	675	679	680	683	684	695	697	715
717	718												

CENSORED DEATH DAYS

None

---

**DOSE = 0.175 GLYCID**

TOTAL 48                                      UNCENSORED DEATHS 33                                      CENSORED DEATHS 0                                      TERMINAL 15

UNCENSORED DEATH DAYS

449	498	505	506	519	535	537	549	572	578	603	612	614	626
631	640	646	653	653	667	670	670	675	681	682	684	686	691
714	723	725	730	730									

CENSORED DEATH DAYS

None

Experiment Number: 20314 - 03  
Test Type: CHRONIC  
Route: DOSED WATER  
Species/Strain: RATS/F 344/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: 05/30/05 / 05/30/05  
Lab: NCTR

**MALE RATS**

FIRST TERMINAL SACRIFICE AT 737 DAYS  
INDIVIDUAL SURVIVAL TIMES (DAYS)

---

**DOSE = 0.35 GLYCID**

TOTAL 47		UNCENSORED DEATHS 40						CENSORED DEATHS 0				TERMINAL 7	
UNCENSORED DEATH DAYS													
418	485	488	551	556	569	574	578	584	585	586	586	588	589
604	604	632	634	635	635	645	655	669	674	677	680	682	684
691	692	696	698	702	703	717	718	719	722	725	732		
CENSORED DEATH DAYS													
None													

---

**DOSE = 0.70 GLYCID**

TOTAL 48		UNCENSORED DEATHS 46						CENSORED DEATHS 0				TERMINAL 2	
UNCENSORED DEATH DAYS													
392	411	428	439	446	474	474	474	505	516	519	520	523	534
537	541	541	544	555	555	569	600	603	607	607	610	610	614
624	626	632	660	662	666	667	672	673	677	690	691	695	697
702	716	723	729										
CENSORED DEATH DAYS													
None													

Experiment Number: 20314 - 03  
Test Type: CHRONIC  
Route: DOSED WATER  
Species/Strain: RATS/F 344/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: 05/30/05 / 05/30/05  
Lab: NCTR

**MALE RATS**

FIRST TERMINAL SACRIFICE AT 737 DAYS

KAPLAN-MEIER SURVIVAL PROBABILITY ESTIMATES (%)										
DOSE	TIME (DAYS)									
	90	180	270	365	425	485	545	605	665	737(A)
CONTROL WATER	100.0	100.0	100.0	100.0	97.9	95.8	83.3	77.1	66.7	43.8
0.0875 GLYCID	100.0	100.0	100.0	97.9	97.9	91.7	87.5	77.1	58.3	37.5
0.175 GLYCID	100.0	100.0	100.0	100.0	100.0	97.9	85.4	77.1	60.4	31.3
0.35 GLYCID	100.0	100.0	100.0	100.0	97.9	95.7	93.6	66.0	53.2	14.9
0.70 GLYCID	100.0	100.0	100.0	100.0	95.8	83.3	62.5	52.1	31.3	4.2

(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 - 03  
 Test Type: CHRONIC  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344/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: 05/30/05 / 05/30/05  
 Lab: NCTR

**MALE RATS**

FIRST TERMINAL SACRIFICE AT 737 DAYS

<b>SURVIVAL SUMMARY STATISTICS</b>				
<b>DOSE</b>	<b>CONTROL WATER</b>	<b>0.0875 GLYCID</b>	<b>0.175 GLYCID</b>	<b>0.35 GLYCID</b>
<b>SURVIVAL AT END OF STUDY</b> (KAPLAN-MEIER)	43.8%	37.5%	31.3%	14.9%
<b>SIGNIFICANCE (B)</b> (LIFE TABLE)	P<0.001	P=0.536	P=0.280	P=0.005
<b>MEAN DAY OF NATURAL DEATHS (C)</b> (STANDARD ERROR)	615.9 (18.4)	611.9 (17.0)	625.9 (13.5)	634.1 (11.7)
<b>MEAN LIFE SPAN (D)</b> (STANDARD ERROR)	668.9 (13.5)	658.8 (13.7)	660.6 (11.9)	649.4 (11.3)

  

<b>DOSE</b>	<b>0.70 GLYCID</b>
<b>SURVIVAL AT END OF STUDY</b> (KAPLAN-MEIER)	4.2%
<b>SIGNIFICANCE (B)</b> (LIFE TABLE)	P<0.001
<b>MEAN DAY OF NATURAL DEATHS (C)</b> (STANDARD ERROR)	585.9 (13.6)
<b>MEAN LIFE SPAN (D)</b> (STANDARD ERROR)	592.2 (13.7)

(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 - 03  
Test Type: CHRONIC  
Route: DOSED WATER  
Species/Strain: RATS/F 344/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: 05/30/05 / 05/30/05  
Lab: NCTR

**FEMALE RATS**

FIRST TERMINAL SACRIFICE AT 737 DAYS  
INDIVIDUAL SURVIVAL TIMES (DAYS)

---

**DOSE = 0.70 GLYCID**

TOTAL 48	UNCENSORED DEATHS 46				CENSORED DEATHS 0				TERMINAL 2				
UNCENSORED DEATH DAYS													
344	375	404	422	435	446	453	466	491	491	505	506	509	513
514	521	521	549	550	551	557	563	571	574	579	585	593	596
609	612	614	620	621	626	626	642	645	662	663	667	677	682
705	705	710	725										
CENSORED DEATH DAYS													
None													

Experiment Number: 20314 - 03  
Test Type: CHRONIC  
Route: DOSED WATER  
Species/Strain: RATS/F 344/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: 05/30/05 / 05/30/05  
Lab: NCTR

**FEMALE RATS**

FIRST TERMINAL SACRIFICE AT 737 DAYS

KAPLAN-MEIER SURVIVAL PROBABILITY ESTIMATES (%)										
DOSE	TIME (DAYS)									
	90	180	270	365	425	485	545	605	665	737(A)
CONTROL WATER	100.0	100.0	100.0	100.0	100.0	97.9	95.8	89.6	83.3	72.9
0.0875 GLYCID	100.0	100.0	100.0	100.0	100.0	97.9	89.6	85.4	75.0	54.2
0.175 GLYCID	100.0	100.0	100.0	100.0	97.9	95.8	91.7	83.3	77.1	56.3
0.35 GLYCID	100.0	100.0	100.0	95.8	95.8	89.6	81.3	72.9	60.4	35.4
0.70 GLYCID	100.0	100.0	100.0	97.9	91.7	83.3	64.6	41.7	18.8	4.2

(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 - 03  
Test Type: CHRONIC  
Route: DOSED WATER  
Species/Strain: RATS/F 344/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: 05/30/05 / 05/30/05  
Lab: NCTR

**FEMALE RATS**

FIRST TERMINAL SACRIFICE AT 737 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)	72.9%	54.2%	56.3%	35.4%
<b>SIGNIFICANCE (B)</b> (LIFE TABLE)	P<0.001	P=0.098	P=0.141	P<0.001
<b>MEAN DAY OF NATURAL DEATHS (C)</b> (STANDARD ERROR)	617.3 (22.8)	627.9 (17.8)	619.3 (20.9)	601.5 (20.2)
<b>MEAN LIFE SPAN (D)</b> (STANDARD ERROR)	704.6 (9.8)	687.0 (11.3)	685.5 (12.4)	649.5 (16.1)

  

DOSE	0.70 GLYCID
<b>SURVIVAL AT END OF STUDY</b> (KAPLAN-MEIER)	4.2%
<b>SIGNIFICANCE (B)</b> (LIFE TABLE)	P<0.001
<b>MEAN DAY OF NATURAL DEATHS (C)</b> (STANDARD ERROR)	565.1 (13.8)
<b>MEAN LIFE SPAN (D)</b> (STANDARD ERROR)	572.3 (14.1)

\*\*\* 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)