

**Experiment Number:** 92003-02  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

**P11: STATISTICAL ANALYSIS OF SURVIVAL DATA**  
**Test Compound:** NTP 90 diet study  
**CAS Number:** DIET90

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 21:59:04  
**First Dose M/F:** NA / NA  
**Lab:** NIEHS

**C Number:** C92003  
**Lock Date:** 04/27/1994  
**Cage Range:** All  
**Date Range:** All  
**Reasons For Removal:** All  
**Removal Date Range:** All  
**Treatment Groups:** All  
**Study Gender:** Both  
**PWG Approval Date:** NONE

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Male MOUSE  
FIRST TERMINAL SACRIFICE AT 637 DAYS  
INDIVIDUAL SURVIVAL TIMES (DAYS)

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<b>DOSE = 7M</b>													
TOTAL 70			UNCENSORED DEATHS 16			CENSORED DEATHS 0			TERMINAL 38				
<b>UNCENSORED DEATH DAYS</b>													
14	14	14	16	18	38	139	287	328	471	508	526	536	586
595	623												
<b>CENSORED DEATH DAYS</b>													
none													
<b>DOSE = 9M</b>													
TOTAL 70			UNCENSORED DEATHS 9			CENSORED DEATHS 0			TERMINAL 61				
<b>UNCENSORED DEATH DAYS</b>													
14	16	17	489	577	588	609	614	623					
<b>CENSORED DEATH DAYS</b>													
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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**Male MOUSE**  
**FIRST TERMINAL SACRIFICE AT 637 DAYS**

**KAPLAN-MEIER SURVIVAL PROBABILITY ESTIMATES (%)**

DOSE	TIME (DAYS)									
	64	128	192	256	320	384	448	512	576	637(A)
<b>7M</b>	91.4	91.4	90.0	90.0	88.6	87.1	87.1	84.3	81.4	77.1
<b>9M</b>	95.7	95.7	95.7	95.7	95.7	95.7	95.7	94.3	94.3	87.1

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**SURVIVAL SUMMARY STATISTICS**

<b>DOSE</b>	<b>7M</b>	<b>9M</b>
<b>SURVIVAL AT END OF STUDY</b> (KAPLAN-MEIER)	77.1%	87.1%
<b>SIGNIFICANCE (B)</b> (LIFE TABLE)	P=0.029N	P=0.029N
<b>MEAN DAY OF NATURAL DEATHS (C)</b> (STANDARD ERROR)	294.6 (63.0)	394.1 (95.5)
<b>MEAN LIFE SPAN (D)</b> (STANDARD ERROR)	535.5 (28.2)	605.8 (15.2)

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**Female MOUSE**  
**FIRST TERMINAL SACRIFICE AT 653 DAYS**  
**INDIVIDUAL SURVIVAL TIMES (DAYS)**

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<b>DOSE = 7F</b>													
TOTAL 70			UNCENSORED DEATHS 15			CENSORED DEATHS 0			TERMINAL 55				
<b>UNCENSORED DEATH DAYS</b>													
10	14	68	139	139	139	421	560	570	588	623	623	634	634
645													
<b>CENSORED DEATH DAYS</b>													
none													

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<b>DOSE = 9F</b>												
TOTAL 70			UNCENSORED DEATHS 9			CENSORED DEATHS 0			TERMINAL 54			
<b>UNCENSORED DEATH DAYS</b>												
70	121	497	561	574	574	623	648	650				
<b>CENSORED DEATH DAYS</b>												
none												

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**FIRST TERMINAL SACRIFICE AT 653 DAYS**

**KAPLAN-MEIER SURVIVAL PROBABILITY ESTIMATES (%)**

DOSE	TIME (DAYS)									
	66	132	198	264	330	396	462	528	594	653(A)
7F	97.1	95.7	91.4	91.4	91.4	91.4	90.0	90.0	85.7	78.6
9F	100.0	97.1	97.1	97.1	97.1	97.1	97.1	95.7	91.4	87.1

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**SURVIVAL SUMMARY STATISTICS**

<b>DOSE</b>	<b>7F</b>	<b>9F</b>
<b>SURVIVAL AT END OF STUDY</b> (KAPLAN-MEIER)	78.6%	87.1%
<b>SIGNIFICANCE (B)</b> (LIFE TABLE)	P=0.370N	P=0.370N
<b>MEAN DAY OF NATURAL DEATHS (C)</b> (STANDARD ERROR)	387.1 (68.1)	479.8 (74.4)
<b>MEAN LIFE SPAN (D)</b> (STANDARD ERROR)	596.0 (19.3)	628.3 (12.7)

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

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