

**TDMS No.** 88123-05  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** RATS/F 344

**P11: STATISTICAL ANALYSIS OF SURVIVAL DATA**  
FORMAMIDE  
**CAS Number:** 75-12-7  
**Pathologist:** SELLS, D. - KURTZ, F.  
Final 1 Rats

**Date Report Reqsted:** 12/05/2005  
**Time Report Reqsted:** 14:32:39  
**First Dose M/F:** 03/21/01 / 03/20/01  
**Lab:** BAT

**C Number:** C88123B  
**Lock Date:** 11/20/2003  
**Cage Range:** 1 - 9999  
**Date Range:** 1-JAN-1940 to 17-SEP-2040  
**Reasons For Removal:** ALL  
**Removal Date Range:** JAN /1 /1940 - SEP /17 /2040  
**Treatment Groups:** Include 1 0 MG/KG  
Include 4 20 MG/KG  
Include 7 80 MG/KG

Include 2 0 MG/KG  
Include 5 40 MG/KG  
Include 8 80 MG/KG

Include 3 20 MG/KG  
Include 6 40 MG/KG

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**MALE RATS**  
 FIRST TERMINAL SACRIFICE AT 727 DAYS  
 INDIVIDUAL SURVIVAL TIMES (DAYS)

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**DOSE = 0 MG/KG**

TOTAL 50	UNCENSORED DEATHS 24	CENSORED DEATHS 0	TERMINAL 26
UNCENSORED DEATHS			
394 423 457	477 506 561 577 582 589 591 622 654 657 666		
680 681 682	687 700 707 708 721 721 721		
CENSORED DEATHS			
None			

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**DOSE = 20 MG/KG**

TOTAL 50	UNCENSORED DEATHS 23	CENSORED DEATHS 0	TERMINAL 27
UNCENSORED DEATHS			
477 485 527	561 566 573 588 594 602 610 612 624 637 643		
650 650 654	657 658 670 679 695 702		
CENSORED DEATHS			
None			

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**DOSE = 40 MG/KG**

TOTAL 50	UNCENSORED DEATHS 24	CENSORED DEATHS 0	TERMINAL 26
UNCENSORED DEATHS			
332 496 512	526 582 587 587 591 622 631 637 649 654 657		
657 665 672	692 693 700 702 702 721 723		
CENSORED DEATHS			
None			

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**DOSE = 80 MG/KG**

TOTAL 50	UNCENSORED DEATHS 21	CENSORED DEATHS 0	TERMINAL 29
UNCENSORED DEATHS			

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496	518	541	545	577	587	590	593	598	629	643	657	657	661
665	665	682	693	702	712	723							

CENSORED DEATHS  
None

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**MALE RATS**  
 FIRST TERMINAL SACRIFICE AT 727 DAYS

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

DOSE	TIME (DAYS)									
	90	180	270	365	425	485	545	605	665	727(A)
<b>0 MG/KG</b>	100.0	100.0	100.0	100.0	96.0	92.0	90.0	80.0	74.0	52.0
<b>20 MG/KG</b>	100.0	100.0	100.0	100.0	100.0	96.0	94.0	82.0	62.0	54.0
<b>40 MG/KG</b>	100.0	100.0	100.0	98.0	98.0	98.0	92.0	84.0	68.0	52.0
<b>80 MG/KG</b>	100.0	100.0	100.0	100.0	100.0	100.0	92.0	82.0	68.0	58.0

- (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)

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Lab: BAT

**FEMALE RATS**  
FIRST TERMINAL SACRIFICE AT 730 DAYS  
INDIVIDUAL SURVIVAL TIMES (DAYS)

SURVIVAL SUMMARY STATISTICS				
DOSE	0 MG/KG	20 MG/KG	40 MG/KG	80 MG/KG
<b>SURVIVAL AT END OF STUDY</b> (KAPLAN-MEIER)	52.0%	54.0%	52.0%	58.0%
<b>SIGNIFICANCE (B)</b> (LIFE TABLE)	P=0.609N	P=1.000	P=1.000N	P=0.690N
<b>MEAN DAY OF NATURAL DEATHS (C)</b> (STANDARD ERROR)	615.2 (20.4)	613.7 (12.7)	624.6 (18.2)	625.4 (14.3)
<b>MEAN LIFE SPAN (D)</b> (STANDARD ERROR)	673.3 (12.6)	674.9 (9.9)	677.8 (11.3)	684.3 (9.3)

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Lab: BAT

**FEMALE RATS**  
FIRST TERMINAL SACRIFICE AT 730 DAYS  
INDIVIDUAL SURVIVAL TIMES (DAYS)

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**DOSE = 0 MG/KG**

TOTAL 50	UNCENSORED DEATHS 12	CENSORED DEATHS 0	TERMINAL 38
UNCENSORED DEATHS			
402 476 478	637 654 655 659 673	676 694 703 724	
CENSORED DEATHS			
None			

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**DOSE = 20 MG/KG**

TOTAL 50	UNCENSORED DEATHS 20	CENSORED DEATHS 0	TERMINAL 30
UNCENSORED DEATHS			
353 395 449	469 505 528 534 545	554 583 618 630 644 647	
651 680 694	708 710 714		
CENSORED DEATHS			
None			

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**DOSE = 40 MG/KG**

TOTAL 50	UNCENSORED DEATHS 16	CENSORED DEATHS 0	TERMINAL 34
UNCENSORED DEATHS			
211 464 526	562 590 604 655 658	658 659 666 682 701 708	
708 709			
CENSORED DEATHS			
None			

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**DOSE = 80 MG/KG**

TOTAL 50	UNCENSORED DEATHS 18	CENSORED DEATHS 0	TERMINAL 32
UNCENSORED DEATHS			
255 437 497	505 527 533 612 623	630 658 666 681 688 693	

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701    708    715    716  
CENSORED DEATHS  
None

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 Lab: BAT

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

DOSE	TIME (DAYS)									
	90	180	270	365	425	485	545	605	665	730(A)
<b>0 MG/KG</b>	100.0	100.0	100.0	100.0	98.0	94.0	94.0	94.0	86.0	76.0
<b>20 MG/KG</b>	100.0	100.0	100.0	98.0	96.0	92.0	84.0	80.0	70.0	60.0
<b>40 MG/KG</b>	100.0	100.0	98.0	98.0	98.0	96.0	94.0	88.0	80.0	68.0
<b>80 MG/KG</b>	100.0	100.0	98.0	98.0	98.0	96.0	88.0	88.0	80.0	64.0

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<b>SURVIVAL SUMMARY STATISTICS</b>				
<b>DOSE</b>	<b>0 MG/KG</b>	<b>20 MG/KG</b>	<b>40 MG/KG</b>	<b>80 MG/KG</b>
<b>SURVIVAL AT END OF STUDY</b> (KAPLAN-MEIER)	76.0%	60.0%	68.0%	64.0%
<b>SIGNIFICANCE (B)</b> (LIFE TABLE)	P=0.467	P=0.098	P=0.491	P=0.261
<b>MEAN DAY OF NATURAL DEATHS (C)</b> (STANDARD ERROR)	619.3 (30.4)	580.6 (24.0)	610.1 (31.9)	602.5 (28.9)
<b>MEAN LIFE SPAN (D)</b> (STANDARD ERROR)	703.4 (9.8)	670.2 (14.1)	691.6 (12.8)	684.1 (13.4)

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

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