

**TDMS No.** 95011-06  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** MICE/B6C3F1

**P11: STATISTICAL ANALYSIS OF SURVIVAL DATA**  
5-(HYDROXYMETHYL)-2-FURFURAL  
**CAS Number:** 67-47-0  
**Pathologist:** TOFT, J. - Blackshear, P.  
F1\_M3

**Date Report Reqsted:** 11/10/2006  
**Time Report Reqsted:** 9:15:23  
**First Dose M/F:** 08/09/01 / 08/08/01  
**Lab:** BAT

<b>C Number:</b>	C95011B		
<b>Lock Date:</b>	03/11/2004		
<b>Cage Range:</b>	1 - 9999		
<b>Date Range:</b>	1-JAN-1940 to 17-SEP-2040		
<b>Reasons For Removal:</b>	25021 Terminal Sacrifice 25018 Dosing Accident	25020 Natural Death	25019 Moribund Sacrifice
<b>Removal Date Range:</b>	JAN /1 /1940 - SEP /17 /2040		
<b>Treatment Groups:</b>	Include 1 0 MG/KG Include 4 188 MG/KG Include 7 750 MG/KG	Include 2 0 MG/KG Include 5 375 MG/KG Include 8 750 MG/KG	Include 3 188 MG/KG Include 6 375 MG/KG

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**MALE MICE**  
FIRST TERMINAL SACRIFICE AT 728 DAYS  
INDIVIDUAL SURVIVAL TIMES (DAYS)

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**DOSE = 0 MG/KG**

TOTAL 50	UNCENSORED DEATHS 10	CENSORED DEATHS 0	TERMINAL 40
UNCENSORED DEATHS			
327 524 580	588 602 625 651 692 699 713		
CENSORED DEATHS			
None			

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**DOSE = 188 MG/KG**

TOTAL 50	UNCENSORED DEATHS 15	CENSORED DEATHS 0	TERMINAL 35
UNCENSORED DEATHS			
380 446 518 699	551 555 572 603 625 629 643 648 668 683 697		
CENSORED DEATHS			
None			

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**DOSE = 375 MG/KG**

TOTAL 50	UNCENSORED DEATHS 7	CENSORED DEATHS 0	TERMINAL 43
UNCENSORED DEATHS			
394 399 485	527 652 703 725		
CENSORED DEATHS			
None			

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**DOSE = 750 MG/KG**

TOTAL 49	UNCENSORED DEATHS 33	CENSORED DEATHS 2	TERMINAL 14
UNCENSORED DEATHS			
19 190 197 455 463 467	217 217 352 352 476 509 510 528 568 589 589 643 652 652 662	360 371 377 412 436 436 449	

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**MALE MICE**

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INDIVIDUAL SURVIVAL TIMES (DAYS)

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672	672	678	719	726
CENSORED DEATHS				
498	513			

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Date Report Requested: 11/10/2006  
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First Dose M/F: 08/09/01 / 08/08/01  
Lab: BAT

KAPLAN-MEIER SURVIVAL PROBABILITY ESTIMATES (%)

DOSE	TIME (DAYS)									
	90	180	270	365	425	485	545	605	665	728(A)
0 MG/KG	100.0	100.0	100.0	98.0	98.0	98.0	96.0	90.0	86.0	80.0
188 MG/KG	100.0	100.0	100.0	100.0	98.0	96.0	94.0	86.0	78.0	70.0
375 MG/KG	100.0	100.0	100.0	100.0	96.0	94.0	92.0	92.0	90.0	86.0
750 MG/KG	98.0	98.0	89.8	83.7	77.6	63.3	56.9	50.3	41.6	30.6

(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)

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**First Dose M/F:** 08/09/01 / 08/08/01  
**Lab:** BAT

<b>SURVIVAL SUMMARY STATISTICS</b>				
<b>DOSE</b>	<b>0 MG/KG</b>	<b>188 MG/KG</b>	<b>375 MG/KG</b>	<b>750 MG/KG</b>
<b>SURVIVAL AT END OF STUDY</b> (KAPLAN-MEIER)	80.0%	70.0%	86.0%	30.6%
<b>SIGNIFICANCE (B)</b> (LIFE TABLE)	P<0.001	P=0.327	P=0.595N	P<0.001
<b>MEAN DAY OF NATURAL DEATHS (C)</b> (STANDARD ERROR)	600.1 (35.8)	594.5 (23.9)	555.0 (52.6)	473.2 (30.4)
<b>MEAN LIFE SPAN (D)</b> (STANDARD ERROR)	702.4 (10.0)	687.9 (11.2)	703.8 (11.0)	547.3 (26.3)

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 Lab: BAT

**FEMALE MICE**  
 FIRST TERMINAL SACRIFICE AT 727 DAYS  
 INDIVIDUAL SURVIVAL TIMES (DAYS)

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**DOSE = 0 MG/KG**

TOTAL 50	UNCENSORED DEATHS 11	CENSORED DEATHS 0	TERMINAL 39
UNCENSORED DEATHS			
230 450 493	521 601 623 655 677	696 700 716	
CENSORED DEATHS			
None			

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**DOSE = 188 MG/KG**

TOTAL 49	UNCENSORED DEATHS 7	CENSORED DEATHS 0	TERMINAL 42
UNCENSORED DEATHS			
527 549 603	667 671 695 703		
CENSORED DEATHS			
None			

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**DOSE = 375 MG/KG**

TOTAL 50	UNCENSORED DEATHS 18	CENSORED DEATHS 0	TERMINAL 32
UNCENSORED DEATHS			
475 496 531	555 615 626 648 649	654 673 673 675 693 695	
700 701 721	722		
CENSORED DEATHS			
None			

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**DOSE = 750 MG/KG**

TOTAL 50	UNCENSORED DEATHS 28	CENSORED DEATHS 0	TERMINAL 22
UNCENSORED DEATHS			
122 181 190	199 206 206 211 230 237 303 359 399 427 429		
429 443 448	468 468 470 507 621 644 659 675 708 710 718		

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CENSORED DEATHS

None

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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	98.0	98.0	98.0	96.0	92.0	90.0	86.0	78.0
<b>188 MG/KG</b>	100.0	100.0	100.0	100.0	100.0	100.0	98.0	93.9	93.9	85.7
<b>375 MG/KG</b>	100.0	100.0	100.0	100.0	100.0	98.0	94.0	92.0	82.0	64.0
<b>750 MG/KG</b>	100.0	98.0	82.0	78.0	76.0	60.0	58.0	58.0	52.0	44.0

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<b>DOSE</b>	<b>0 MG/KG</b>	<b>188 MG/KG</b>	<b>375 MG/KG</b>	<b>750 MG/KG</b>
<b>SURVIVAL AT END OF STUDY</b> (KAPLAN-MEIER)	78.0%	85.7%	64.0%	44.0%
<b>SIGNIFICANCE (B)</b> (LIFE TABLE)	P<0.001	P=0.433N	P=0.211	P<0.001
<b>MEAN DAY OF NATURAL DEATHS (C)</b> (STANDARD ERROR)	578.4 (44.1)	630.7 (26.9)	639.0 (17.9)	416.7 (35.5)
<b>MEAN LIFE SPAN (D)</b> (STANDARD ERROR)	694.3 (12.8)	713.2 (6.1)	695.3 (8.7)	553.2 (29.6)

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

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