



TDMS No. 88105-03  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/F 344

P11: STATISTICAL ANALYSIS OF SURVIVAL DATA  
 ISOEUGENOL  
 CAS Number: 97-54-1  
 Pathologist: Blackshear, P. - GRUMBEIN, S.

Date Report Requested: 09/28/2006  
 Time Report Requested: 17:54:23  
 First Dose M/F: 04/22/02 / 04/23/02  
 Lab: BNW

**MALE RATS**  
 FIRST TERMINAL SACRIFICE AT 729 DAYS  
 INDIVIDUAL SURVIVAL TIMES (DAYS)

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**DOSE = 0 MG/KG**

TOTAL 50	UNCENSORED DEATHS 15	CENSORED DEATHS 0	TERMINAL 35
UNCENSORED DEATHS			
401 556 577	607 617 624 635 674	674 681 688 696	708 715
715			
CENSORED DEATHS			
None			

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**DOSE = 75 MG/KG**

TOTAL 50	UNCENSORED DEATHS 15	CENSORED DEATHS 1	TERMINAL 34
UNCENSORED DEATHS			
477 485 533	533 558 568 648 670	676 701 705 710	718 726
727			
CENSORED DEATHS			
22			

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**DOSE = 150 MG/KG**

TOTAL 50	UNCENSORED DEATHS 17	CENSORED DEATHS 0	TERMINAL 33
UNCENSORED DEATHS			
120 246 285	360 411 485 548 549	603 605 607 624	624 708
708 716 719			
CENSORED DEATHS			
None			

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**DOSE = 300 MG/KG**

TOTAL 50	UNCENSORED DEATHS 18	CENSORED DEATHS 2	TERMINAL 30
UNCENSORED DEATHS			

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INDIVIDUAL SURVIVAL TIMES (DAYS)

415	443	485	485	516	543	548	593	607	628	630	639	674	676
692	696	701	719										
CENSORED DEATHS													
502	719												

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

DOSE	TIME (DAYS)									
	90	180	270	365	425	485	545	605	665	729(A)
<b>0 MG/KG</b>	100.0	100.0	100.0	100.0	98.0	98.0	98.0	94.0	86.0	70.0
<b>75 MG/KG</b>	100.0	100.0	100.0	100.0	100.0	95.9	91.8	87.8	85.7	69.4
<b>150 MG/KG</b>	100.0	98.0	96.0	92.0	90.0	88.0	88.0	80.0	74.0	66.0
<b>300 MG/KG</b>	100.0	100.0	100.0	100.0	98.0	92.0	87.9	83.8	75.6	63.4

- (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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Pathologist: Blackshear, P. - GRUMBEIN, S.  
**MALE RATS**  
FIRST TERMINAL SACRIFICE AT 729 DAYS

Date Report Requested: 09/28/2006  
Time Report Requested: 17:54:23  
First Dose M/F: 04/22/02 / 04/23/02  
Lab: BNW

SURVIVAL SUMMARY STATISTICS				
DOSE	0 MG/KG	75 MG/KG	150 MG/KG	300 MG/KG
<b>SURVIVAL AT END OF STUDY</b> (KAPLAN-MEIER)	70.0%	69.4%	66.0%	63.4%
<b>SIGNIFICANCE (B)</b> (LIFE TABLE)	P=0.387	P=1.000	P=0.659	P=0.501
<b>MEAN DAY OF NATURAL DEATHS (C)</b> (STANDARD ERROR)	637.9 (21.3)	629.0 (23.9)	524.6 (43.8)	593.9 (22.5)
<b>MEAN LIFE SPAN (D)</b> (STANDARD ERROR)	701.7 (8.6)	684.9 (16.6)	659.5 (20.1)	675.6 (12.6)

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(C) MEAN OF ALL UNCENSORED DEATHS PRIOR TO TERMINAL SACRIFICE  
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Date Report Requested: 09/28/2006  
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First Dose M/F: 04/22/02 / 04/23/02  
Lab: BNW

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

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**DOSE = 0 MG/KG**

TOTAL 50	UNCENSORED DEATHS 17	CENSORED DEATHS 0	TERMINAL 33
UNCENSORED DEATHS			
400 559 587	617 617 627 637 645	647 651 673 680	685 687
707 713 723			
CENSORED DEATHS			
None			

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**DOSE = 75 MG/KG**

TOTAL 50	UNCENSORED DEATHS 14	CENSORED DEATHS 1	TERMINAL 35
UNCENSORED DEATHS			
30 389 429	469 514 564 632 660	665 671 676 688	697 708
CENSORED DEATHS			
372			

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**DOSE = 150 MG/KG**

TOTAL 50	UNCENSORED DEATHS 16	CENSORED DEATHS 0	TERMINAL 34
UNCENSORED DEATHS			
499 529 529	547 564 573 576 608	616 660 660 669	680 683
707 714			
CENSORED DEATHS			
None			

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**DOSE = 300 MG/KG**

TOTAL 50	UNCENSORED DEATHS 19	CENSORED DEATHS 0	TERMINAL 31
UNCENSORED DEATHS			
23 24 38	336 479 496 541 547	590 597 602 606	619 623

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ISOEUGENOL  
**CAS Number:** 97-54-1  
**Pathologist:** Blackshear, P. - GRUMBEIN, S.  
**FEMALE RATS**  
FIRST TERMINAL SACRIFICE AT **730** DAYS  
INDIVIDUAL SURVIVAL TIMES (DAYS)

**Date Report Reqsted:** 09/28/2006  
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**First Dose M/F:** 04/22/02 / 04/23/02  
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627    630    632    651    695  
CENSORED DEATHS  
None

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**FEMALE RATS**  
 FIRST TERMINAL SACRIFICE AT 730 DAYS

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**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	98.0	98.0	94.0	80.0	66.0
<b>75 MG/KG</b>	98.0	98.0	98.0	98.0	96.0	91.9	89.8	87.8	81.7	71.5
<b>150 MG/KG</b>	100.0	100.0	100.0	100.0	100.0	100.0	94.0	86.0	78.0	68.0
<b>300 MG/KG</b>	94.0	94.0	94.0	92.0	92.0	90.0	86.0	78.0	64.0	62.0

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<b>SURVIVAL SUMMARY STATISTICS</b>				
<b>DOSE</b>	<b>0 MG/KG</b>	<b>75 MG/KG</b>	<b>150 MG/KG</b>	<b>300 MG/KG</b>
<b>SURVIVAL AT END OF STUDY</b> (KAPLAN-MEIER)	66.0%	71.5%	68.0%	62.0%
<b>SIGNIFICANCE (B)</b> (LIFE TABLE)	P=0.360	P=0.767N	P=1.000N	P=0.523
<b>MEAN DAY OF NATURAL DEATHS (C)</b> (STANDARD ERROR)	638.5 (18.4)	556.6 (49.5)	613.4 (17.4)	492.4 (50.7)
<b>MEAN LIFE SPAN (D)</b> (STANDARD ERROR)	698.9 (8.7)	674.3 (18.5)	692.7 (9.5)	639.7 (25.1)

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

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