

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.
F1_R2

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

C Number:	C88105		
Lock Date:	01/21/2005		
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 2 0 MG/KG	Include 3 75 MG/KG
	Include 4 75 MG/KG	Include 5 150 MG/KG	Include 6 150 MG/KG
	Include 7 300 MG/KG	Include 8 300 MG/KG	

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

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			

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			

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			

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)
0 MG/KG	100.0	100.0	100.0	100.0	98.0	98.0	98.0	94.0	86.0	70.0
75 MG/KG	100.0	100.0	100.0	100.0	100.0	95.9	91.8	87.8	85.7	69.4
150 MG/KG	100.0	98.0	96.0	92.0	90.0	88.0	88.0	80.0	74.0	66.0
300 MG/KG	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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SURVIVAL SUMMARY STATISTICS				
DOSE	0 MG/KG	75 MG/KG	150 MG/KG	300 MG/KG
SURVIVAL AT END OF STUDY (KAPLAN-MEIER)	70.0%	69.4%	66.0%	63.4%
SIGNIFICANCE (B) (LIFE TABLE)	P=0.387	P=1.000	P=0.659	P=0.501
MEAN DAY OF NATURAL DEATHS (C) (STANDARD ERROR)	637.9 (21.3)	629.0 (23.9)	524.6 (43.8)	593.9 (22.5)
MEAN LIFE SPAN (D) (STANDARD ERROR)	701.7 (8.6)	684.9 (16.6)	659.5 (20.1)	675.6 (12.6)

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

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			

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			

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			

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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627 630 632 651 695
CENSORED DEATHS
None

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KAPLAN-MEIER SURVIVAL PROBABILITY ESTIMATES (%)

DOSE	TIME (DAYS)									
	90	180	270	365	425	485	545	605	665	730(A)
0 MG/KG	100.0	100.0	100.0	100.0	98.0	98.0	98.0	94.0	80.0	66.0
75 MG/KG	98.0	98.0	98.0	98.0	96.0	91.9	89.8	87.8	81.7	71.5
150 MG/KG	100.0	100.0	100.0	100.0	100.0	100.0	94.0	86.0	78.0	68.0
300 MG/KG	94.0	94.0	94.0	92.0	92.0	90.0	86.0	78.0	64.0	62.0

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