

Experiment Number: 20105 - 75
Test Type: CHRONIC
Route: Whole Body Exposure
Species/Strain: MICE/B6C3F1

P11: STATISTICAL ANALYSIS OF SURVIVAL DATA
Cell Phone Radiation: CDMA
CAS Number: CELLPRADCDMA

Date Report Requested: 08/24/2017
Time Report Requested: 13:47:54
First Dose M/F: 06/18/12 / 06/18/12
Lab: IIT

Final 1 CDMA Mice Core Study

NTP Study Number:	C20105B		
Lock Date:	04/07/2016		
Cage Range:	ALL		
Date Range:	ALL		
Reasons For Removal:	25022 ACCK	25021 TSAC	25020 NATD
	25019 MSAC		
Removal Date Range:	ALL		
Treatment Groups:	Include ALL		
Study Gender:	Both		
TDMSE Version:	3.0.2.4_cartox		
PWG Approval Date:	NONE		

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MALE MICE

FIRST TERMINAL SACRIFICE AT 729 DAYS

INDIVIDUAL SURVIVAL TIMES (DAYS)

DOSE = 0 W/kg

TOTAL 90 UNCENSORED DEATHS 24 CENSORED DEATHS 0 TERMINAL 66

UNCENSORED DEATH DAYS

8 263 350 393 420 455 488 568 588 608 622 622 658 667
674 676 690 693 695 702 709 711 723 725

CENSORED DEATH DAYS

None

DOSE = 2.5 W/kg

TOTAL 91 UNCENSORED DEATHS 8 CENSORED DEATHS 0 TERMINAL 83

UNCENSORED DEATH DAYS

244 517 569 594 625 629 657 711

CENSORED DEATH DAYS

None

DOSE = 5 W/kg

TOTAL 90 UNCENSORED DEATHS 18 CENSORED DEATHS 1 TERMINAL 71

UNCENSORED DEATH DAYS

549 559 571 585 588 628 649 656 666 674 679 689 694 702
720 721 726 727

CENSORED DEATH DAYS

31

DOSE = 10 W/kg

TOTAL 90 UNCENSORED DEATHS 19 CENSORED DEATHS 0 TERMINAL 71

UNCENSORED DEATH DAYS

416 461 478 496 518 585 605 634 634 638 653 656 656 664
681 684 691 707 723

CENSORED DEATH DAYS

None

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FIRST TERMINAL SACRIFICE AT 729 DAYS

KAPLAN-MEIER SURVIVAL PROBABILITY ESTIMATES (%)										
DOSE	TIME (DAYS)									
	90	180	270	365	425	485	545	605	665	729(A)
0 W/kg	98.9	98.9	97.8	96.7	94.4	93.3	92.2	90.0	85.6	73.3
2.5 W/kg	100.0	100.0	98.9	98.9	98.9	98.9	97.8	95.6	92.3	91.2
5 W/kg	100.0	100.0	100.0	100.0	100.0	100.0	100.0	94.4	91.0	79.8
10 W/kg	100.0	100.0	100.0	100.0	98.9	96.7	94.4	92.2	84.4	78.9

(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 MICE

FIRST TERMINAL SACRIFICE AT 729 DAYS

SURVIVAL SUMMARY STATISTICS				
DOSE	0 W/kg	2.5 W/kg	5 W/kg	10 W/kg
SURVIVAL AT END OF STUDY (KAPLAN-MEIER)	73.3%	91.2%	79.8%	78.9%
SIGNIFICANCE (B) (LIFE TABLE)	P=1.000N	P=0.003N	P=0.343N	P=0.482N
MEAN DAY OF NATURAL DEATHS (C) (STANDARD ERROR)	571.2 (36.3)	568.3 (50.6)	654.6 (14.3)	609.5 (20.9)
MEAN LIFE SPAN (D) (STANDARD ERROR)	686.9 (12.1)	714.9 (6.4)	706.4 (8.7)	703.8 (6.7)

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FEMALE MICE

FIRST TERMINAL SACRIFICE AT 739 DAYS

INDIVIDUAL SURVIVAL TIMES (DAYS)

DOSE = 0 W/kg

TOTAL 90	UNCENSORED DEATHS 23												CENSORED DEATHS 0		TERMINAL 67
UNCENSORED DEATH DAYS															
448	493	511	551	551	562	568	577	579	597	604	607	607	607	607	
638	642	644	648	653	656	689	703	724							
CENSORED DEATH DAYS															
None															

DOSE = 2.5 W/kg

TOTAL 89	UNCENSORED DEATHS 15												CENSORED DEATHS 0		TERMINAL 74
UNCENSORED DEATH DAYS															
33	262	493	579	626	639	656	689	695	698	703	706	715	723		
738															
CENSORED DEATH DAYS															
None															

DOSE = 5 W/kg

TOTAL 90	UNCENSORED DEATHS 21												CENSORED DEATHS 0		TERMINAL 69
UNCENSORED DEATH DAYS															
219	499	511	533	553	597	644	646	667	669	692	692	695	704		
715	716	720	720	725	727	731									
CENSORED DEATH DAYS															
None															

DOSE = 10 W/kg

TOTAL 90	UNCENSORED DEATHS 19												CENSORED DEATHS 0		TERMINAL 71
UNCENSORED DEATH DAYS															
223	484	500	502	533	597	622	635	653	669	674	675	679	684		
684	685	689	704	731											
CENSORED DEATH DAYS															
None															

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DOSE	TIME (DAYS)									
	90	180	270	365	425	485	545	605	665	739(A)
0 W/kg	100.0	100.0	100.0	100.0	100.0	98.9	96.7	87.8	77.8	74.4
2.5 W/kg	98.9	98.9	97.8	97.8	97.8	97.8	96.6	95.5	92.1	83.1
5 W/kg	100.0	100.0	98.9	98.9	98.9	98.9	95.6	93.3	91.1	76.7
10 W/kg	100.0	100.0	98.9	98.9	98.9	97.8	94.4	93.3	90.0	78.9

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SURVIVAL SUMMARY STATISTICS				
DOSE	0 W/kg	2.5 W/kg	5 W/kg	10 W/kg
SURVIVAL AT END OF STUDY (KAPLAN-MEIER)	74.4%	83.1%	76.7%	78.9%
SIGNIFICANCE (B) (LIFE TABLE)	P=0.758N	P=0.168N	P=0.702N	P=0.517N
MEAN DAY OF NATURAL DEATHS (C) (STANDARD ERROR)	602.6 (13.9)	597.0 (51.1)	636.9 (26.5)	611.7 (27.6)
MEAN LIFE SPAN (D) (STANDARD ERROR)	704.1 (7.2)	715.1 (10.1)	715.2 (7.6)	712.1 (7.9)

*** END OF REPORT ***

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