

**Experiment Number:** 20105 - 78  
**Test Type:** CHRONIC  
**Route:** Whole Body Exposure  
**Species/Strain:** MICE/B6C3F1

**P11: STATISTICAL ANALYSIS OF SURVIVAL DATA**  
Cell Phone Radiation: GSM  
**CAS Number:** CELLPRADGSM

**Date Report Requested:** 08/24/2017  
**Time Report Requested:** 10:54:40  
**First Dose M/F:** 06/18/12 / 06/18/12  
**Lab:** IIT

Final 1 GSM Mice Core Study

<b>NTP Study Number:</b>	C20105		
<b>Lock Date:</b>	04/07/2016		
<b>Cage Range:</b>	ALL		
<b>Date Range:</b>	ALL		
<b>Reasons For Removal:</b>	25023 MISS	25022 ACCK	25021 TSAC
	25020 NATD	25019 MSAC	
<b>Removal Date Range:</b>	ALL		
<b>Treatment Groups:</b>	Include ALL		
<b>Study Gender:</b>	Both		
<b>TDMSE Version:</b>	3.0.2.3_002		
<b>PWG Approval Date:</b>	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 90	UNCENSORED DEATHS 25										CENSORED DEATHS 2		TERMINAL 63
UNCENSORED DEATH DAYS													
364	523	533	547	572	594	607	609	617	618	629	640	650	656
663	667	667	672	674	690	702	722	723	726	726			
CENSORED DEATH DAYS													
3	651												

DOSE = 5 W/kg

TOTAL 90	UNCENSORED DEATHS 10										CENSORED DEATHS 0		TERMINAL 80
UNCENSORED DEATH DAYS													
503	545	604	605	630	640	654	667	682	700				
CENSORED DEATH DAYS													
None													

DOSE = 10 W/kg

TOTAL 90	UNCENSORED DEATHS 18										CENSORED DEATHS 0		TERMINAL 72
UNCENSORED DEATH DAYS													
352	464	488	531	538	614	616	625	658	672	672	674	681	689
689	690	719	726										
CENSORED DEATH DAYS													
None													

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**MALE MICE**

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	100.0	98.9	98.9	98.9	96.6	93.3	83.1	71.7
5 W/kg	100.0	100.0	100.0	100.0	100.0	100.0	97.8	95.6	92.2	88.9
10 W/kg	100.0	100.0	100.0	98.9	98.9	97.8	94.4	94.4	90.0	80.0

(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: IIT

**MALE MICE**

FIRST TERMINAL SACRIFICE AT 729 DAYS

<b>SURVIVAL SUMMARY STATISTICS</b>				
<b>DOSE</b>	0 W/kg	2.5 W/kg	5 W/kg	10 W/kg
<b>SURVIVAL AT END OF STUDY</b> (KAPLAN-MEIER)	73.3%	71.7%	88.9%	80.0%
<b>SIGNIFICANCE (B)</b> (LIFE TABLE)	P=0.135N	P=0.959	P=0.013N	P=0.360N
<b>MEAN DAY OF NATURAL DEATHS (C)</b> (STANDARD ERROR)	571.2 (36.3)	631.6 (16.2)	623.0 (19.4)	616.6 (24.1)
<b>MEAN LIFE SPAN (D)</b> (STANDARD ERROR)	686.9 (12.1)	693.0 (10.1)	717.2 (4.1)	706.5 (6.7)

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Lab: IIT

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
638	642	644	648	653	656	689	703	724					
CENSORED DEATH DAYS													
None													

DOSE = 2.5 W/kg

TOTAL 90	UNCENSORED DEATHS 18				CENSORED DEATHS 0				TERMINAL 72				
UNCENSORED DEATH DAYS													
403	447	458	537	550	562	617	638	640	650	667	677	687	704
716	717	730	731										
CENSORED DEATH DAYS													
None													

DOSE = 5 W/kg

TOTAL 90	UNCENSORED DEATHS 21				CENSORED DEATHS 0				TERMINAL 69				
UNCENSORED DEATH DAYS													
86	324	516	600	606	629	631	640	645	646	668	669	674	675
701	703	712	722	723	728	733							
CENSORED DEATH DAYS													
None													

DOSE = 10 W/kg

TOTAL 90	UNCENSORED DEATHS 18				CENSORED DEATHS 0				TERMINAL 72				
UNCENSORED DEATH DAYS													
111	390	451	534	561	590	607	660	664	669	676	680	681	686
700	720	726	734										
CENSORED DEATH DAYS													
None													

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KAPLAN-MEIER SURVIVAL PROBABILITY ESTIMATES (%)										
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	100.0	100.0	100.0	100.0	98.9	96.7	95.6	93.3	88.9	80.0
5 W/kg	98.9	98.9	98.9	97.8	97.8	97.8	96.7	95.6	88.9	76.7
10 W/kg	100.0	98.9	98.9	98.9	97.8	96.7	95.6	93.3	90.0	80.0

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SURVIVAL SUMMARY STATISTICS				
DOSE	0 W/kg	2.5 W/kg	5 W/kg	10 W/kg
<b>SURVIVAL AT END OF STUDY</b> (KAPLAN-MEIER)	74.4%	80.0%	76.7%	80.0%
<b>SIGNIFICANCE (B)</b> (LIFE TABLE)	P=0.476N	P=0.420N	P=0.709N	P=0.405N
<b>MEAN DAY OF NATURAL DEATHS (C)</b> (STANDARD ERROR)	602.6 (13.9)	618.4 (24.3)	620.5 (33.2)	602.2 (36.5)
<b>MEAN LIFE SPAN (D)</b> (STANDARD ERROR)	704.1 (7.2)	714.9 (7.0)	711.4 (9.3)	711.6 (9.2)

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

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