

CELL IDENTIFICATION

CELL MEAN

1	1	1	1	.0000
1	1	1	2	.0000
1	1	1	3	.0000
1	1	1	4	.0000
1	1	1	5	.0000
1	1	1	6	.0000
1	1	1	7	.0000
1	1	1	8	.0000
1	1	1	9	.0000
1	1	1	10	.0000
1	1	1	11	.0000
1	1	1	12	.0000
1	1	1	13	.0000
1	1	1	14	.0000
1	1	1	15	.0000
1	1	1	16	.0000
1	1	1	17	.0000
1	1	1	18	.0000
1	1	1	19	.0000
1	1	1	20	.0000
1	1	1	21	.0000
1	1	1	22	.0000
1	1	1	23	.0000
1	1	1	24	.0000
1	1	1	25	.0000
1	1	1	26	.0000
1	1	1	27	.0000
1	1	1	28	.0000
1	1	1	29	.0000
1	1	1	30	.0000
1	1	1	31	.0000
1	1	1	32	.0000
1	1	1	33	.0000
1	1	1	34	.0000
1	1	1	35	.0000
1	1	1	36	.0000
1	1	1	37	.0000
1	1	1	38	.0000
1	1	1	39	.0000
1	1	1	40	.0000
1	1	1	41	.0000
1	1	1	42	.0000
1	1	1	43	.0000
1	1	1	44	.0000
1	1	1	45	.0000
1	1	1	46	.0000
1	1	1	47	.0000
1	1	1	48	.0000
1	1	1	49	.0000
1	1	1	50	.0000
1	1	2	1	.0000
1	1	2	11	.0000
1	1	2	12	.0000
1	1	2	13	.0000
1	1	2	14	.0000
1	1	2	15	.0000
1	1	2	16	.0000
1	1	2	17	.0000
1	1	2	18	.0000
1	1	2	19	.0000
1	1	2	20	.0000
1	1	2	21	.0000
1	1	2	22	.0000
1	1	2	23	.0000
1	1	2	24	.0000
1	1	2	25	.0000

Y1 = STIPLED CELLS

RESPONSE 4 =

$100 * \text{ARCSIN} \sqrt{\frac{34}{50}}$

TWO YEAR

DOG P6 FEEDING-

STUDY

1	5	2	6	.0000
1	5	2	7	.0000
1	5	2	8	.0000
1	5	2	9	.0000
1	5	3	10	.0000
1	5	3	1	.0000
1	5	3	2	.0000
1	5	3	3	.0000
1	5	3	4	.0000
1	5	3	5	.0000
1	5	3	6	14.1897
1	5	3	7	32.1751
1	5	3	8	.0000
1	5	3	9	.0000
1	5	3	10	.0000
1	5	4	1	.0000
1	5	4	2	.0000
1	5	4	3	.0000
1	5	4	4	.0000
1	5	4	5	.0000
1	5	4	6	20.1358
1	5	4	7	.0000
1	5	4	8	.0000
1	5	4	9	.0000
1	5	4	10	.0000
2	1	1	1	.0000
2	1	1	2	.0000
2	1	1	3	.0000
2	1	1	4	.0000
2	1	1	5	.0000
2	1	1	6	.0000
2	1	1	7	.0000
2	1	1	8	.0000
2	1	1	9	.0000
2	1	1	10	.0000
2	1	2	1	.0000
2	1	2	2	.0000
2	1	2	3	.0000
2	1	2	4	.0000
2	1	2	5	.0000
2	1	2	6	.0000
2	1	2	7	.0000
2	1	2	8	.0000
2	1	2	9	.0000
2	1	2	10	.0000
2	2	1	1	.0000
2	2	1	2	.0000
2	2	1	3	.0000
2	2	1	4	.0000
2	2	1	5	.0000
2	2	1	6	.0000
2	2	1	7	.0000
2	2	1	8	.0000
2	2	1	9	.0000
2	2	1	10	.0000
2	2	2	1	.0000
2	2	2	2	.0000
2	2	2	3	.0000
2	2	2	4	.0000
2	2	2	5	.0000
2	2	2	6	.0000
2	2	2	7	.0000
2	2	2	8	.0000
2	2	2	9	.0000
2	2	2	10	.0000
2	2	3	1	.0000
2	2	3	2	.0000
2	2	3	3	.0000
2	2	3	4	.0000
2	2	3	5	.0000
2	2	3	6	.0000
2	2	3	7	.0000
2	2	3	8	.0000
2	2	3	9	.0000
2	2	3	10	.0000
2	2	4	1	.0000
2	2	4	2	.0000
2	2	4	3	.0000
2	2	4	4	.0000
2	2	4	5	.0000

2	4	4	6	.0000
2	4	4	7	.0000
2	4	4	8	.0000
2	4	4	9	.0000
2	4	4	10	.0000
2	5	1	1	.0000
2	5	1	2	.0000
2	5	1	3	.0000
2	5	1	4	.0000
2	5	1	5	.0000
2	5	1	6	.0000
2	5	1	7	.0000
2	5	1	8	.0000
2	5	1	9	.0000
2	5	1	10	.0000
2	5	2	1	.0000
2	5	2	2	.0000
2	5	2	3	.0000
2	5	2	4	.0000
2	5	2	5	.0000
2	5	2	6	14.1897
2	5	2	7	.0000
2	5	2	8	.0000
2	5	2	9	.0000
2	5	3	1	.0000
2	5	3	2	.0000
2	5	3	3	.0000
2	5	3	4	.0000
2	5	3	5	.0000
2	5	3	6	14.1897
2	5	3	7	.0000
2	5	3	8	.0000
2	5	3	9	.0000
2	5	3	10	.0000
2	5	3	11	.0000
2	5	3	12	.0000
2	5	4	1	.0000
2	5	4	2	.0000
2	5	4	3	24.7457
2	5	4	4	.0000
2	5	4	5	.0000
2	5	4	6	14.1897
2	5	4	7	14.1897
2	5	4	8	14.1897
2	5	4	9	14.1897
2	5	4	10	14.1897
GRAND MEAN				.59773

RESPONSE NUMBER 2 ARCSIN SQRT(.02Y4)

ANOVA TABLE

SOURCE OF VARIATION	DEGREES OF FREEDOM	SUM OF SQUARES	MEAN SQUARE	F RATIO
TOTAL	399	4329.09851		
A = SEX	1	15.09706	15.09706	.58
B = PB-LEVEL	4	328.32059	82.08015	1.17 *
AB	4	29.29643	7.32411	.28
C = DOG	30	776.73131	25.89104	3.58 **
D = TIME-PERIOD	9	268.55304	29.83923	4.13 **
AD	9	28.08230	3.12026	.43
BD	36	688.90215	19.13617	2.65 **
ABD	36	242.79730	6.74437	.93
CD	270	1951.31972	7.22711	

* SIGNIFICANT AT THE .05 PROBABILITY LEVEL (ONE-TAIL TEST)

** SIGNIFICANT AT THE .01 PROBABILITY LEVEL (ONE-TAIL TEST)

RESPONSE NUMBER 2 ARCSIN SQRT(.02Y4)

MEANS TABLES

SEX MEANS

SEX	MALE	FEMALE
MEANS	.4035	.7920

STANDARD ERROR OF A MEAN = .3598
 95% CONFIDENCE LIMITS = .7348
 STANDARD ERROR OF THE DIFFERENCE BETWEEN TWO MEANS = .5088
 LEAST SIGNIFICANT DIFFERENCE (LSD) = 1.0392

PB-LEVEL MEANS

PPM	0PPM	10PPM	50PPM	100PPM	500PPM
MEANS	.0000	.1774	.0000	.4291	2.3822

STANDARD ERROR OF A MEAN = .5689
 95% CONFIDENCE LIMITS = 1.1618
 STANDARD ERROR OF THE DIFFERENCE BETWEEN TWO MEANS = .8085
 LEAST SIGNIFICANT DIFFERENCE (LSD) = 1.6431

SEX * PB-LEVEL INTERACTION

SEX PB-LEVEL

SEX	0PPM	10PPM	50PPM	100PPM	500PPM
MALE	.0000	.0000	.0000	.3547	1.6625
FEMALE	.0000	.3547	.0000	.5034	3.1019
DIFFERENCES	.0000	-.3547	.0000	-.1487	-1.4394

STANDARD ERROR OF A MEAN = .8045
 95% CONFIDENCE LIMITS = 1.6431
 STANDARD ERROR OF THE DIFFERENCE BETWEEN TWO MEANS = 1.1378
 LEAST SIGNIFICANT DIFFERENCE (LSD) = 2.3236

THREE WAY TABLE OF MEANS FOR FACTORS SEX , PB-LEVEL , DOG

SEX AT LEVEL MALE

PB-LEVEL DOG

	1	2	3	4
OPP	.0000	.0000	.0000	.0000
10PPM	.0000	.0000	.0000	.0000
50PPM	.0000	.0000	.0000	.0000
100PPM	.0000	.0000	1.4190	.0000
500PPM	.0000	.0000	4.6365	2.0136

SEX AT LEVEL FEMALE

PB-LEVEL DOG

	1	2	3	4
OPP	.0000	.0000	.0000	.0000
10PPM	1.4190	.0000	.0000	.0000
50PPM	.0000	.0000	.0000	.0000
100PPM	.0000	2.0136	.0000	.0000
500PPM	.0000	1.4190	1.4190	9.5695

TIME-PERIOD

MEANS

	1 MON	2 MON	3 MON	6 MON	9 MON	12 MON	15 MON	18 MON	21 MON	24 MON
	.0000	.0000	.0000	.6187	.3547	2.8754	1.0642	.3547	.3547	.3547

STANDARD ERROR OF A MEAN =

.4251

95% CONFIDENCE LIMITS =

.8369

STANDARD ERROR OF THE DIFFERENCE BETWEEN TWO MEANS =

.6011

LEAST SIGNIFICANT DIFFERENCE (LSD) =

1.1835

SEX * TIME-PERIOD INTERACTION

SEX TIME-PERIOD

	1 MON	2 MON	3 MON	6 MON	9 MON	12 MON	15 MON	18 MON	21 MON
MALE	.0000	.0000	.0000	.0000	.7095	2.6155	.7095	.0000	.0000
FEMALE	.0000	.0000	1.2373	.0000	.0000	3.1352	1.4190	.7095	.7095
DIFFERENCES	.0000	.0000	-1.2373	.0000	.7095	-.5197	-.7095	-.7095	-.7095

PB-LEVEL * TIME-PERIOD INTERACTION

PB-LEVEL TIME-PERIOD

	1 MON	2 MON	3 MON	6 MON	9 MON	12 MON	15 MON	18 MON	21 MON
0PPM	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
10PPM	.0000	.0000	.0000	.0000	.0000	.0000	1.7737	.0000	.0000
50PPM	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
100PPM	.0000	.0000	.0000	.0000	.0000	2.5170	1.7737	.0000	.0000
500PPM	.0000	.0000	3.0933	.0000	1.7737	11.8600	1.7737	1.7737	1.7737

THREE WAY TABLE OF MEANS FOR FACTORS SEX , PB-LEVEL , TIME-PERIOD
SEX AT LEVEL MALE

PB-LEVEL TIME-PERIOD

	1 MON	2 MON	3 MON	6 MON	9 MON	12 MON	15 MON	18 MON	21 MON
0PPM	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
10PPM	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
50PPM	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
100PPM	.0000	.0000	.0000	.0000	.0000	.0000	3.5474	.0000	.0000
500PPM	.0000	.0000	.0000	.0000	3.5474	15.0777	.0000	.0000	.0000

SEX AT LEVEL FEMALE

PB-LEVEL TIME-PERIOD

	1 MON	2 MON	3 MON	6 MON	9 MON	12 MON	15 MON	18 MON	21 MON	24 MON
0PPM	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
10PPM	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
50PPM	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
100PPM	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
500PPM	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
				6.1867		10.6423	3.5474	3.5474	3.5474	3.5474

SYMBOLS USED IN 2- AND 3-WAY MEANS PLOTS

1 - LEVEL 1

2 - LEVEL 2

3 - LEVEL 3

4 - LEVEL 4

5 - LEVEL 5

* - REPEATED SYMBOLS

SEX

FEEDING MEANS

157. RUN
PB-LEVEL

**PAGE
MEANS**

	I	*	I				
1	+ +	* +	+ +				
	I	*	I				
2	+ +	* +	+ +				
	I	*	I				
	- .35	2.00	4.35	6.70	9.05	11.40	13.75

	I			
1	+	*		
	I			
2	+	*		
	I			
3	+	*		
	I			
4	+	*		
	I			
5	+		*	
	I			
	-	.35	2.00	4.35
			6.70	

37

*** DOG**

7EAT-Rd *

[illegible]

2-YEAR LEAD-FEEDING STUDY - DOGS HEMATOLOGY DATA (Y1-Y15) RUN 11
 * PB-LEVEL * DOG
 AT LEVEL FEMALE

PAGE 38

38

SEX
SEX

PB-LEVEL		MEANS	
1	+	1	+
2	+	2	+
3	+	3	+
4	+	4	+
5	+	5	+
6	+	6	+
7	+	7	+
8	+	8	+
9	+	9	+
10	+	10	+
- .35 2.00 4.35 6.70 9.05 11.40 13.75		- .35 2.00 4.35 6.70 9.05 11.40 13.75	

2-YEAR LEAD-FEEDING STUDY - DOGS

HEMATOLOGY DATA (Y1-Y15) RUN II

PAGE 40

SEX
SEX* TIME-PERIOD
AT LEVEL MALE

* PB-LEVEL

SEX
SEX* TIME-PERIOD
AT LEVEL FEMALE

* PB

TIME-PERIOD

TIME-PERIOD

-0.35 2.00 4.35 6.70 9.05 11.40 13.75

-0.35 2.00 4.35 6.7

DUP050309111