

2-YEAR LEAD-FEEDING STUDY - DOGS URINE ANALYSIS DATA (Y30)

PAGE 1

1

*****MODEL NFAC=9,NOD=2,RFC=1,DESIGN=PNC,ABC(AB)D,CODESET/

*****FACTOR1 NAME=SEX,NLEV=2,LNAME=MALE,FEMALE,LCODE=1,2,FIXED=T/

*****FACTOR2 NAME=PB-LEVEL,NLEV=5,LNAME= OPDM, 10PPM, 50PPM,100PPM,500PPM,

***** LCODE=002,016,057,155,576,FIXED=T/

*****FACTOR3 NAME=D06,NLEV=4,LNAME=1,2,3,4,LCODE=1,2,3,4,FIXED=T/

*****FACTOR4 NAME=TIME-PERIOD,NLEV=9,LNAME=1 MON,2 MON,3 MON,6 MON,9 MON,15 MON,

***** 18 MON,21 MON,24 MON,LCODE=01,02,03,06,09,15,18,21,24,FIXED=T/

*****RESPONSE Y30ED-ALA,LOG D=ALA/

*****MEANS 3

*****MEANS PLOT 3

*****OPCODES

OPCODES

NOV 1,1,801

MPY 1,(100.),1

LOG 1,1,10

MPY 1,(100.),802

OUT

9	1	1	801	0	1
3	1	901	1	0	2
8	1	1	10	0	3
3	1	901	802	0	4
999	0	0	0	0	5

*****FORMAT(4X,A1,A3,A1,A2,T39,F6.0)

*****DATA NOBS=360,INOV=1

N36868

2-YEAR LEAD-FEEDING STUDY - DOGS URINE ANALYSIS DATA (Y30)

PAGE 2

EXPANDED DATA MATRIX (IDENTIFICATION: INPUT DATA ROW NUMBER, EXPANDED DATA ROW NUMBER, FACTOR LEVELS)

Y30=D-ALA		LOG D-ALA	
1	1	2	1 1 1
	.15600		119.31246
2	2	2	1 1 2
	.26700		142.65113
3	3	2	1 1 3
	.13800		113.98791
4	4	2	1 1 4
	.27400		143.77506
5	5	2	1 1 5
	.42000		162.32493

NO. OF INPUT DATA ROWS = 360
NO. OF ROWS DELETED BY LOGICAL TESTS = 0
NO. OF ROWS DELETED FOR MISSING DATA = 0
NO. OF EXPANDED DATA ROWS REMAINING = 360

*****ANOVA

CELL MEAN

1	.3530
1	.1180
2	.2640
3	.0700
4	.3000
5	.2100
6	.1600
7	.1890
8	.1900
9	.1310
10	.2590
11	.1410
12	.1510
13	.0390
14	.1680
15	.1600
16	.0900
17	.1400
18	.4700
19	.5920
20	.3610
21	.3060
22	.3500
23	.2740
24	.2810
25	.3610
26	.2890
27	.2220
28	.1620
29	.1850
30	.2770
31	.2200
32	.2050
33	.1700
34	.5010
35	.2110
36	.1600
37	.3480
38	.3790
39	.3050
40	.0900
41	.1330
42	.3500
43	.3890
44	.3410
45	.3720
46	.2120
47	.2180
48	.1460
49	.1710
50	.2800
51	.2300
52	.3010
53	.5410
54	.3640

2-YEAR LEAD-FEEDING STUDY - DOGS URINE ANALYSIS DATA (Y30)

PAGE

4

4

1	2	2	.2520
1	2	3	.1980
1	2	3	.2370
1	2	3	.4360
1	2	3	.2460
1	2	3	.3100
1	2	3	.1900
1	2	3	.4400
1	2	3	.1830
1	2	3	.1640
1	2	3	.1730
1	2	3	.2480
1	2	3	.1300
1	2	3	.1960
1	2	3	.2710
1	2	3	.2210
1	2	3	.3100
1	2	3	.0400
1	2	3	.1180
1	2	3	.2060
1	2	3	.2500
1	2	3	.0480
1	2	3	.4200
1	2	3	.1600
1	2	3	.0700
1	2	3	.0700
1	2	3	.2430
1	2	3	.1640
1	2	3	.2600
1	2	3	.2690
1	2	3	.1310
1	2	3	.1760
1	2	3	.1700
1	2	3	.4500
1	2	3	.2700
1	2	3	.1740
1	2	3	.1600
1	2	3	.2350
1	2	3	.1880
1	2	3	.0900
1	2	3	.1400
1	2	3	.2700
1	2	3	.1800
1	2	3	.0800
1	2	3	.3130
1	2	3	.1940
1	2	3	.2170
1	2	3	.4320
1	2	3	.0400
1	2	3	.2600
1	2	3	.1740
1	2	3	.1580
1	2	3	.1510
1	2	3	.4000
1	2	3	.1630
1	2	3	.3100
1	2	3	.3050
1	2	3	.1700
1	2	3	.2460
1	2	3	.2800

2-YEAR LEAD-FEEDING STUDY - DOGS URINE ANALYSIS DATA (Y30)

PAGE

5

5

1	4	1	8	.4300
1	4	1	9	.4400
1	4	1	1	.3430
1	4	2	1	.4310
1	4	2	2	.4800
1	4	2	3	.2630
1	4	2	4	.3480
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1	4	2	6	.4400
1	4	2	7	.3300
1	4	2	8	.3610
1	4	2	9	.1490
1	4	3	1	.2220
1	4	3	2	.1720
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1	4	3	4	.1300
1	4	3	5	.3840
1	4	3	6	.1610
1	4	3	7	.1900
1	4	3	8	.2400
1	4	3	9	.2530
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1	4	4	4	.1710
1	4	4	5	.1260
1	4	4	6	.3850
1	4	4	7	.5880
1	4	4	8	.4820
1	4	4	9	.3170
1	5	1	1	.6280
1	5	1	2	.2580
1	5	1	3	.4210
1	5	1	4	.4410
1	5	1	5	.1750
1	5	1	6	.6190
1	5	1	7	.7000
1	5	1	8	.4310
1	5	1	9	.5480
1	5	2	1	.3520
1	5	2	2	.8060
1	5	2	3	.6270
1	5	2	4	.8300
1	5	2	5	.4920
1	5	2	6	.9000
1	5	2	7	1.1900
1	5	2	8	1.5720
1	5	2	9	.1720
1	5	3	1	.6820
1	5	3	2	.2320
1	5	3	3	.6500
1	5	3	4	.4800
1	5	3	5	.4970
1	5	3	6	.3500
1	5	3	7	1.1510
1	5	3	8	.4090
1	5	3	9	.7820
1	5	4	1	.6470
1	5	4	2	.6000
1	5	4	3	1.2000
1	5	4	4	

2-YEAR LEAD-FEEDING STUDY - DOSS URINE ANALYSIS DATA (Y30)

PAGE 5

5

1	4	1	8	.4300
1	4	1	9	.4400
1	4	2	1	.3490
1	4	2	2	.4310
1	4	2	3	.4800
1	4	2	4	.2630
1	4	2	5	.3480
1	4	2	6	.2460
1	4	2	7	.4400
1	4	2	8	.3300
1	4	2	9	.3610
1	4	3	1	.1490
1	4	3	2	.2220
1	4	3	3	.1720
1	4	3	4	.2220
1	4	3	5	.1300
1	4	3	6	.3840
1	4	3	7	.1610
1	4	3	8	.1900
1	4	3	9	.2400
1	4	4	1	.2530
1	4	4	2	.2180
1	4	4	3	.3600
1	4	4	4	.5220
1	4	4	5	.1710
1	4	4	6	.1280
1	4	4	7	.3850
1	4	4	8	.5880
1	4	4	9	.4820
1	5	1	1	.3170
1	5	1	2	.6280
1	5	1	3	.2580
1	5	1	4	.4210
1	5	1	5	.4410
1	5	1	6	.1750
1	5	1	7	.6190
1	5	1	8	.7000
1	5	1	9	.4310
1	5	2	1	.5480
1	5	2	2	.3520
1	5	2	3	.8060
1	5	2	4	.6270
1	5	2	5	.8300
1	5	2	6	.4920
1	5	2	7	.9000
1	5	2	8	1.1900
1	5	2	9	1.5720
1	5	3	1	.1720
1	5	3	2	.6820
1	5	3	3	.2220
1	5	3	4	.6500
1	5	3	5	.4800
1	5	3	6	.4970
1	5	3	7	.3500
1	5	3	8	1.1510
1	5	3	9	.4090
1	5	4	1	.7820
1	5	4	2	.6470
1	5	4	3	.6000
1	5	4	4	1.2000

1	5	4	5	.5710
1	5	4	6	.6520
1	5	4	7	.8870
1	5	4	8	1.2780
1	5	4	9	1.0690
2	1	1	1	.1560
2	1	1	2	.2670
2	1	1	3	.1380
2	1	1	4	.2740
2	1	1	5	.4200
2	1	1	6	.3200
2	1	1	7	.1820
2	1	1	8	.2390
2	1	1	9	.2300
2	1	1	10	.4310
2	1	2	1	.3290
2	1	2	2	.1430
2	1	2	3	.3910
2	1	2	4	.3100
2	1	2	5	.5190
2	1	2	6	.2000
2	1	2	7	.4290
2	1	2	8	.2400
2	1	2	9	.4150
2	1	3	1	.2100
2	1	3	2	.2860
2	1	3	3	.1720
2	1	3	4	.2310
2	1	3	5	.3610
2	1	3	6	.1210
2	1	3	7	.2120
2	1	3	8	.1230
2	1	3	9	.2840
2	1	4	1	.2740
2	1	4	2	.3230
2	1	4	3	.2120
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2	1	4	5	.2790
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2	2	2	2	.2530
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2	2	2	4	.3090
2	2	2	5	.1200
2	2	2	6	.1440
2	2	2	7	.1700
2	2	2	8	.1700
2	2	2	9	.3450
2	2	2	10	.1340
2	2	2	11	.1320
2	2	2	12	.1070
2	2	2	13	.3500
2	2	2	14	.1600
2	2	2	15	.0820
2	2	2	16	.1400
2	2	2	17	.1690
2	2	2	18	.2530
2	2	2	19	
2	2	2	20	

23

1860	1
2170	2
3330	3
2300	4
2800	5
2400	6
2690	7
3110	8
2350	9
3030	10
3200	11
7970	12
8490	13
3600	14
1440	15
2710	16
11280	17
5000	18
3040	19
3250	20
5850	21
7700	22
0810	23
3190	24
2390	25
3400	26
5000	27
2740	28
5100	29
5000	30
3080	31
2770	32
3210	33
4820	34
1750	35
3610	36
3160	37
3770	38
14170	39
9210	40
4000	41
4540	42
2590	43
10120	44
2670	45
1850	46
2120	47
2030	48
1900	49
0400	50
1090	51
2800	52
1310	53
3520	54
1830	55
2200	56
1510	57
0400	58
0800	59
2650	60

2-YEAR LEAD-FEEDING STUDY - D065 URINE ANALYSIS DATA (Y30)

PAGE

8

8

2	4	1	8	.2510
2	4	1	9	.2700
2	4	1	1	.2880
2	4	2	2	.2150
2	4	2	3	.2590
2	4	2	4	.1740
2	4	2	5	.2690
2	4	2	6	.1490
2	4	2	7	.3780
2	4	2	8	.3100
2	4	2	9	.1000
2	4	3	1	.1890
2	4	3	2	.2500
2	4	3	3	.1460
2	4	3	4	.3250
2	4	3	5	.6900
2	4	3	6	.1610
2	4	3	7	.4170
2	4	3	8	.1700
2	4	3	9	.1690
2	4	4	1	.1860
2	4	4	2	.2470
2	4	4	3	.1480
2	4	4	4	.1840
2	4	4	5	.2700
2	4	4	6	.2000
2	4	4	7	.2810
2	4	4	8	.1900
2	4	4	9	.2000
2	5	1	1	.2640
2	5	1	2	.4530
2	5	1	3	.1400
2	5	1	4	.2440
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2	5	1	9	.8410
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2	5	2	2	.4880
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2	5	2	7	.6940
2	5	2	8	.3130
2	5	2	9	.6850
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2	5	3	2	.6320
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2	5	3	6	.6000
2	5	3	7	.3640
2	5	3	8	1.0280
2	5	3	9	.6000
2	5	4	1	.2670
2	5	4	2	.6670
2	5	4	3	.3850
2	5	4	4	.6670

2-YEAR LEAD-FEEDING STUDY - D065 URINE ANALYSIS DATA (Y30)

PAGE

9

9

.6400
.4650
.4690
.5810
.6460

2 5 4 5
2 5 4 6
2 5 4 7
2 5 4 8
2 5 4 9

.33255

GRAND MEAN

2-YEAR LEAD-FEEDING STUDY - DOGS URINE ANALYSIS DATA (Y30)
EXPECTED MEAN SQUARE TABLE

PAGE

10

10

SOURCE OF VARIATION EXPECTED MEAN SQUARE

A = SEX
B = PB-LEVEL
AB
C = DOG
D = TIME-PERIOD
AD
BD
ABD
CD

9(C) + 180(A)
9(C) + 72(B)
9(C) + 36(AB)
9(C)
1(CD) + 40(D)
1(CD) + 20(AD)
1(CD) + 8(BD)
1(CD) + 4(ABD)
1(CD)

RESPONSE NUMBER 1 Y30=D-ALA

ANOVA TABLE

SOURCE OF VARIATION	DEGREES OF FREEDOM	SUM OF SQUARES	MEAN SQUARE	F RATIO
TOTAL	359	18.82843		
A = SEX	1	.00043	.00043	.0
B = PB-LEVEL	4	5.29430	1.32358	11.0
AB	4	1.28308	.32077	2.6
C = DOG	30	3.59619	.11987	5.6
D = TIME-PERIOD	8	.62427	.07803	3.6
AD	8	.59407	.07426	3.4
BD	32	1.64891	.05153	2.4
ABD	32	.66767	.02086	.9
CD	240	5.11952	.02133	

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

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

RESPONSE NUMBER 1 Y30=D-ALA

MEANS TABLES

SEX MEANS

SEX	MEANS
MALE	.3315
FEMALE	.3336

STANDARD ERROR OF A MEAN =

.0258

95% CONFIDENCE LIMITS =

.0327

STANDARD ERROR OF THE DIFFERENCE BETWEEN TWO MEANS =

.0365

LEAST SIGNIFICANT DIFFERENCE (LSD) =

.0745

PB-LEVEL

MEANS

PB-LEVEL	MEANS
0PPM	.2573
10PPM	.2726
50PPM	.2904
100PPM	.2662
500PPM	.5742

STANDARD ERROR OF A MEAN =

.0408

95% CONFIDENCE LIMITS =

.0833

STANDARD ERROR OF THE DIFFERENCE BETWEEN TWO MEANS =

.0877

LEAST SIGNIFICANT DIFFERENCE (LSD) =

.1178

SEX

* PB-LEVEL

INTERACTION

SEX

PB-LEVEL

SEX	PB-LEVEL	MEANS
MALE	0PPM	.2369
MALE	10PPM	.2566
MALE	50PPM	.1934
MALE	100PPM	.3046
MALE	500PPM	.6587
FEMALE	0PPM	.2777
FEMALE	10PPM	.2787
FEMALE	50PPM	.3873
FEMALE	100PPM	.2319
FEMALE	500PPM	.4926

DIFFERENCES

.0408

-.0121

-.1939

.0728

.1631

STANDARD ERROR OF A MEAN =

.0577

95% CONFIDENCE LIMITS =

.1178

STANDARD ERROR OF THE DIFFERENCE BETWEEN TWO MEANS =

.0816

LEAST SIGNIFICANT DIFFERENCE (LSD) =

.1667

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

PB-LEVEL DOG

	1	2	3	4
0PPM	.2060	.1399	.3627	.2392
10PPM	.2772	.2746	.3039	.2107
50PPM	.1527	.2370	.1686	.2154
100PPM	.3059	.3609	.2078	.3480
500PPM	.4433	.6130	.5126	.6539

SEX AT LEVEL FEMALE

PB-LEVEL DOG

	1	2	3	4
0PPM	.2473	.3324	.2368	.2943
10PPM	.1876	.1799	.2577	.4897
50PPM	.3846	.3719	.6130	.1797
100PPM	.2013	.2380	.2797	.2084
500PPM	.2977	.5594	.5926	.5208

TIME-PERIOD MEANS

	1 MON	2 MON	3 MON	6 MON	9 MON	15 MON	18 MON	21 MON	24 MON
	.3035	.3047	.3547	.2923	.3822	.2760	.3083	.3847	.3064

STANDARD ERROR OF A MEAN =

.0231

95% CONFIDENCE LIMITS =

.0455

STANDARD ERROR OF THE DIFFERENCE BETWEEN TWO MEANS =

.0327

LEAST SIGNIFICANT DIFFERENCE (LSD) =

.0643

SEX * TIME-PERIOD INTERACTION

SEX TIME-PERIOD

	1 MON	2 MON	3 MON	6 MON	9 MON	15 MON	18 MON	21 MON	24 MON
MALE	.2997	.3043	.3022	.3574	.2590	.2753	.3364	.4478	.4000
FEMALE	.3073	.3052	.2823	.4070	.4504	.2766	.2803	.3216	.3720
DIFFERENCES	-.0076	-.0009	.0199	-.0495	-.1914	-.0014	.0561	.1262	.0280

PB-LEVEL * TIME-PERIOD INTERACTION

PB-LEVEL TIME-PERIOD

	1 MON	2 MON	3 MON	6 MON	9 MON	15 MON	18 MON	21 MON	24 MON
UPPM	.3077	.2764	.2301	.2316	.3064	.2895	.1825	.2914	.2000
10PPM	.2721	.2245	.2362	.2866	.3209	.2219	.2214	.2439	.4200
50PPM	.2997	.2144	.2927	.4805	.3112	.2242	.2471	.2647	.2700
100PPM	.2707	.2411	.2619	.2645	.2610	.1990	.3259	.3074	.2800
500PPM	.3672	.5674	.4404	.6479	.5740	.4452	.5649	.8164	.7400

THREE WAY TABLE OF MEANS FOR FACTORS SEX
SEX AT LEVEL MALE

, PB-LEVEL

, TIME-PERIOD

PB-LEVEL TIME-PERIOD

	1 MON	2 MON	3 MON	6 MON	9 MON	15 MON	18 MON	21 MON	24 MON
0PPM	.2940	.2827	.2377	.2010	.2272	.2092	.1927	.2853	.2000
10PPM	.2697	.2440	.2420	.2490	.2072	.2137	.2902	.2752	.4000
50PPM	.1925	.1590	.2295	.2847	.0752	.2490	.1935	.2145	.1400
100PPM	.2877	.2585	.3305	.3280	.2047	.2505	.3165	.3845	.3800
500PPM	.4547	.5772	.4715	.7245	.5805	.4540	.6890	1.0797	.8700

SEX AT LEVEL FEMALE

PB-LEVEL TIME-PERIOD

	1 MON	2 MON	3 MON	6 MON	9 MON	15 MON	18 MON	21 MON	24 MON
0PPM	.3315	.2700	.2325	.3622	.3622	.3698	.1722	.2975	.1982
10PPM	.2745	.2080	.2305	.3242	.4345	.2300	.1525	.2125	.4845
50PPM	.4070	.2697	.3560	.6762	.5472	.1998	.3007	.3150	.4145
100PPM	.2337	.2237	.1932	.2010	.3172	.1475	.3352	.2302	.1847
500PPM	.2797	.5575	.4092	.5712	.5675	.4365	.4407	.5530	.6180

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

2-YEAR LEAD-FEEDING STUDY - DOGS URINE ANALYSIS DATA (Y30)

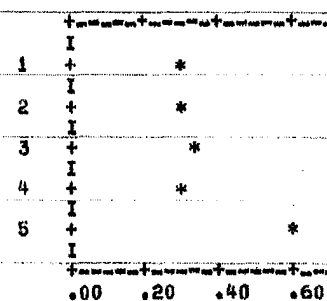
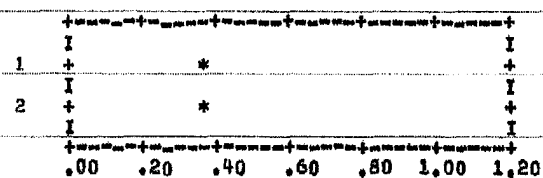
PAGE 17

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PB-LEVEL

MEANS



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* PB-LEVEL
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2-YEAR LEAD-FEEDING STUDY - D065 URINE ANALYSIS DATA (Y30)

PAGE 19

19

SEX

* PB-LEVEL

* D06

TIME-PERIOD

MEANS

AT LEVEL FEMALE

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2-YEAR LEAD-FEEDING STUDY - DOGS URINE ANALYSIS DATA (Y30)

PAGE 24

24

163.3468
164.3453
154.2825
163.4477
168.1241
141.9956
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139.0935
164.3453
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155.7507
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134.6353
123.5528
134.6353
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158.4331
120.6826
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138.0211
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169.6356
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206.1075
161.1723
189.3207
181.0904
177.8151
207.9181

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1 4 1 9
1 4 2 1
1 4 2 2
1 4 2 3
1 4 2 4
1 4 2 5
1 4 2 6
1 4 2 7
1 4 2 8
1 4 3 1
1 4 3 2
1 4 3 3
1 4 3 4
1 4 3 5
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1 4 3 7
1 4 3 8
1 4 3 9
1 4 4 1
1 4 4 2
1 4 4 3
1 4 4 4
1 4 4 5
1 4 4 6
1 4 4 7
1 4 4 8
1 4 4 9
1 5 1 1
1 5 1 2
1 5 1 3
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1 5 3 2
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1 5 3 5
1 5 3 6
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1 5 3 8
1 5 3 9
1 5 4 1
1 5 4 2
1 5 4 3
1 5 4 4

2-YEAR LEAD-FEEDING STUDY - DOGS URINE ANALYSIS DATA (Y30)

PAGE

25

25

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2	1	6	8	122.7887
2	1	6	9	140.3121

26

126.9511	2
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152.2444	4
136.1728	5
144.7158	6
138.0211	7
142.9752	8
149.2760	9
137.1068	1
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150.5150	3
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155.5302	6
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143.2959	8
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159.8970	1
148.8874	2
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153.1479	9
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103.7426	7
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134.2423	3
117.8977	4
60.2060	5
90.3090	6
142.3246	7

2-YEAR LEAD-FEEDING STUDY - DOGS URINE ANALYSIS DATA (Y30)

PAGE 27

27

2	4	1	8	139.9674
2	4	1	9	143.1364
2	4	2	1	145.9392
2	4	2	2	133.2438
2	4	2	3	141.3300
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2	4	2	7	157.7492
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2	4	7	7	156.1101
2	4	7	8	201.1993
2	4	7	9	177.8151
2	4	8	1	142.6511
2	4	8	2	182.4126
2	4	8	3	158.5461
2	4	8	4	182.4126

2-YEAR LEAD-FEEDING STUDY - D06S URINE ANALYSIS DATA (Y30)

PAGE

28

28

173.2394
166.7453
157.1173
176.4176
181.0233

2 5 4 5
2 5 4 6
2 5 4 7
2 5 4 8
2 5 4 9

GRAND MEAN 183.72546

GRAND MEAN

2-YEAR LEAD-FEEDING STUDY

URINE ANALYSIS DATA (Y30)

RESPONSE NUMBER 2 LOG D-ALA

ANOVA TABLE

SOURCE OF VARIATION	DEGREES OF FREEDOM	SUM OF SQUARES	MEAN SQUARE	F RATIO
TOTAL	359	.26812+06		
A = SEX	1	.36483+03	.36483+03	.21
B = PH-LEVEL	4	.65346+05	.16336+05	9.25 **
AB	4	.20422+05	.51056+04	2.89 *
C = DOG	30	.52964+05	.17653+04	5.36 **
D = TIME-PERIOD	8	.43059+04	.53824+03	1.64
AD	8	.10174+05	.12717+04	3.86 **
BD	32	.21275+05	.66484+03	2.02 **
ABD	32	.14271+05	.44595+03	1.35
CD	240	.79001+05	.32917+03	

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

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

RESPONSE NUMBER 2 LOG D-ALA

MEANS TABLES

SEX MEANS

SEX	MALE	FEMALE
142.7186	144.7322	

STANDARD ERROR OF A MEAN =

3.1318

95% CONFIDENCE LIMITS =

6.3359

STANDARD ERROR OF THE DIFFERENCE BETWEEN TWO MEANS =

4.4290

LEAST SIGNIFICANT DIFFERENCE (LSD) =

9.0482

PB-LEVEL MEANS

OPPM	10PPM	50PPM	100PPM	500PPM
136.4516	137.6988	135.5725	138.3071	170.6039

STANDARD ERROR OF A MEAN =

4.9518

95% CONFIDENCE LIMITS =

10.1129

STANDARD ERROR OF THE DIFFERENCE BETWEEN TWO MEANS =

7.0029

LEAST SIGNIFICANT DIFFERENCE (LSD) =

14.3017

SEX * PB-LEVEL

INTERACTION

SEX PB-LEVEL

SEX	OPPM	10PPM	50PPM	100PPM	500PPM
MALE	131.8036	139.3596	121.6635	144.7726	175.9952
FEMALE	141.0996	136.0261	149.4815	131.8415	165.2126

DIFFERENCES -9.2960 3.3335 -27.8180 12.9311 10.7826

STANDARD ERROR OF A MEAN =

7.0029

95% CONFIDENCE LIMITS =

14.3017

STANDARD ERROR OF THE DIFFERENCE BETWEEN TWO MEANS =

9.9036

LEAST SIGNIFICANT DIFFERENCE (LSD) =

20.2257

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

PB-LEVEL DOG

	1	2	3	4
OPPM	127.1670	110.2732	154.5048	135.2896
10PPM	139.4834	140.5926	146.4211	130.9413
50PPM	105.8153	134.6998	119.7777	126.5612
100PPM	145.9486	154.7832	129.6165	148.7422
500PPM	161.0407	186.9579	164.7005	191.2817

SEX AT LEVEL FEMALE

PB-LEVEL DOG

	1	2	3	4
OPPM	136.9540	149.1046	133.9145	144.4285
10PPM	123.1932	124.5685	140.4794	159.8663
50PPM	151.8836	154.5209	171.4085	120.1132
100PPM	123.2203	134.6386	158.6087	130.8986
500PPM	144.1687	171.5202	175.0987	170.0628

TIME-PERIOD MEANS

	1 MON	2 MON	3 MON	6 MON	9 MON	15 MON	18 MON	21 MON	24 MON
	143.6011	142.9053	141.8694	148.0996	141.3425	137.4600	142.3302	148.8610	147.0411

STANDARD ERROR OF A MEAN = 2.8687
 95% CONFIDENCE LIMITS = 5.6510
 STANDARD ERROR OF THE DIFFERENCE BETWEEN TWO MEANS = 4.0569
 LEAST SIGNIFICANT DIFFERENCE (LSD) = 7.9918

2-YEAR LEAD-FEEDING STUDY - DOGS URINE ANALYSIS DATA (Y30)

PAGE 32

SEX	* TIME-PERIOD		INTERACTION						
SEX	TIME-PERIOD								
	1 MON	2 MON	3 MON	6 MON	9 MON	15 MON	18 MON	21 MON	24 MON
MALE	140.4762	141.2524	143.4528	147.4370	126.4666	139.1911	145.7241	152.1016	148.36
FEMALE	146.7259	144.5982	140.2859	148.7623	156.2184	135.7289	138.9363	145.6205	145.75
DIFFERENCES	-6.2498	-3.3058	3.1670	-1.3254	-29.7518	3.4623	6.7878	6.4811	2.61

PB-LEVEL	* TIME-PERIOD	INTERACTION							
PB-LEVEL	TIME-PERIOD								
	1 MON	2 MON	3 MON	6 MON	9 MON	15 MON	18 MON	21 MON	24 MON
0PPM	144.7808	139.6337	133.2036	131.8008	139.9634	143.3177	125.0099	141.4575	128.89
10PPM	141.6684	133.2086	135.2139	134.3412	140.8415	131.7620	130.5110	136.6370	155.05
50PPM	138.8215	130.8256	144.4812	158.2791	123.6711	124.8118	135.1407	135.9268	128.19
100PPM	140.9138	136.4625	138.1846	138.5901	130.2624	125.6338	149.4060	145.0044	140.30
500PPM	151.8209	174.3953	158.2635	177.4870	171.9743	161.7747	171.5836	185.2795	182.85

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	15 MON	18 MON	21 MON	24 MON	
0PPM	142.0874	136.6755	134.8675	123.8069	123.8669	131.0496	127.1849	137.2012	129.47	
10PPM	139.9584	137.1040	136.2952	137.8965	123.5664	131.3550	145.7532	142.2915	160.01	
50PPM	118.0940	119.4662	135.9092	143.4333	81.8908	135.7466	127.6620	123.8060	108.96	
100PPM	143.0298	138.2869	149.1108	149.2070	127.9742	136.6643	147.0724	155.0028	156.60	
500PPM	159.2144	174.7298	161.0815	182.8411	175.0348	161.1402	180.9481	202.2063	186.78	

2-YEAR LEAD-FEEDING STUDY - DOGS URINE ANALYSIS DATA (Y30)

SEX AT LEVEL FEMALE

PB-LEVEL TIME-PERIOD

	1 MON	2 MON	3 MON	6 MON	9 MON	15 MON	18 MON	21 MON	24 MON
0PPM	147.4742	142.5919	131.5196	139.7948	156.0600	155.5857	122.8350	145.7138	128.3219
10PPM	143.3813	129.3132	134.1326	130.7859	158.1165	132.1690	115.2688	130.9825	150.0851
50PPM	159.5090	142.1871	153.0533	173.1248	165.4314	113.8771	142.6194	148.0476	147.4242
100PPM	136.7977	134.6382	127.2584	127.9733	132.5506	114.6033	151.7395	135.0059	124.0070
500PPM	144.4275	174.0609	155.4656	172.1329	168.9137	162.4093	162.2190	168.3528	178.9318

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

X35

PAGE
MEANS

PAGE 35

35

[illegible]

TIME PERIOD

2-YEAR LEAD-FEEDING STUDY - DOGS URINE ANALYSIS DATA (Y30)

DOG

* PB-LEVEL
AT LEVEL FEMALE

XS
XS
XS

[illegible]

38

TIME PERIOD

TIME PERIOD

TEST-Bd *

08

[illegible]

2-YEAR LEAD-FEEDING STUDY - DOGS URINE ANALYSIS DATA (Y30)

PAGE 39

SEX
SEX

* TIME-PERIOD
AT LEVEL MALE

* PB-LEVEL

SEX
SEX

* TIME-PERIOD
AT LEVEL FEMALE

* P

TIME-PERIOD

TIME-PERIOD

78.30 99.55120.80142.05163.30184.55205.80

78.30 99.55120.80142.0

DUP050309206