

US EPA ARCHIVE DOCUMENT

DP Barcode: ~~D210808~~
D210808

MRID No.: 434928-09

DATA EVALUATION RECORD
§ 71-1(A) - AVIAN SINGLE-DOSE LD₅₀ TEST

1. **CHEMICAL:** AC 303,268 Technical **PC Code No.:** 129093
A metabolite of AC 303,630 (PIRATE)

2. **TEST MATERIAL:** AC 303,268 Technical **Purity:** 100.3 %

3. **CITATION**
Authors: Campbell, S.B., Beavers, J.B. and Sullivan, J.P.
Title: 14-Day Acute Toxicity Test with AC 303,268 Technical in Northern Bobwhites (*Collinus virginiana*)
Study Completion Date: November 11, 1994
Laboratory: Wildlife International, Easton, MD
Sponsor: American Cyanamid Company, Princeton, NJ
Laboratory Report ID: 130-166
MRID No.: 434928-09

4. **REVIEWED BY:** John D. Eisemann, Wildlife Biologist, EEB, EFED
Signature: John D. Eisemann **Date:** 1/26/96

5. **APPROVED BY:** Ann Stavola, Head, Section (5), EEB, EFED
Signature: Ann Stavola **Date:** 1/26/96

6. **STUDY PARAMETERS**
Scientific Name of Test Organism: *Collinus virginiana*
Test Organisms Age/Size: 29 weeks/ 184-248 grams
Definitive Study Duration: 14 days

7. **CONCLUSIONS:**
This study is scientifically sound and was conducted in accordance with accepted protocols. It fully meets the requirements for an avian acute oral toxicity test. AC 303,268, a metabolite of AC 303,630, is highly toxic to upland game birds on an acute oral basis.

Results Synopsis
LD₅₀: 24.7 mg ai/kg 95% C.I.: 17.3 - 35.3 mg ai/kg
NOEL (Survival): 6 mg ai/kg Probit Slope: 3.4
NOEL (Weight): 7/6 mg ai/kg

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8. ADEQUACY OF THE STUDY

A. Classification: Core

9. GUIDELINE DEVIATIONS

1. During the range-finding test, behavioral observations were not made before 10:00 a.m. on the day of dosing (Day 0). On Days 1 and 2 of the range-finding test, observations were made before 3:00 p.m.
2. During the definitive test, behavior observations were not made before 10:00 a.m. on the day of dosing (Day 0). On Days 4, 5, 11, and 12 of the definitive test, observations were made before 3:00 p.m.
3. On Day 3 of the definitive test, the feed consumption measurements were not made for the control group.
4. Raw data was not provided for feed consumption measurements.

10. SUBMISSION PURPOSE:

To support registration of PIRATE (AC 303,360)

11. MATERIALS AND METHODS

A. Test Organisms

Guideline Criteria	Reported Information
Species: A wild waterfowl species, preferably the mallard (<i>Anas platyrhynchos</i>), or an upland game bird species, preferably the bobwhite (<i>Colinus virginianus</i>).	<i>Collinus virginiana</i>
Age at beginning of test: At least 16 weeks old.	29 weeks
Supplier	Top Flight Quail Farm Belvidere, NJ
Acclimation period: At least 15 days.	56 days

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B. Test System

Guideline Criteria	Reported Information
Pen facilities adequate?	Yes
Photoperiod: 10-h light, 14-h dark is recommended.	8-hr light, 16-hr dark
Diet was nutritious and appropriate for species?	Yes - Wildlife International, game bird formulation
Feed withheld at least 15 hours prior to dosing?	Yes - 18 hours

C. Test Design

Guideline Criteria	Reported Information
Range finding test?	Yes
Definitive Test Nominal concentrations: At least five, in a geometric scale, unless LD ₅₀ > 2000 mg ai / kg.	0, 3, 6, 12, 24, 50, 100 mg ai/kg body weight
Controls: Water control or vehicle control (if vehicle is used)	Corn oil
Number of birds per group: 10 (strongly recommended)	10
Vehicle: Distilled water, corn oil, propylene glycol, 1% carboxymethylcellulose, or gum arabic.	Corn oil
Amount of vehicle per body weight: Constant volume/weight % of body weight, not to exceed 1% (1ml/100g):	0.6 % (6 ml corn oil/kg body weight)
Observations period: At least 14 days.	14 days

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12. REPORTED RESULTS

Guideline Criteria	Reported Information
Quality assurance and GLP compliance statements were included in the report?	Yes
Individual body weights measured at beginning of test, on day 14 and at end of test if extended beyond 14 days?	Yes
Mean feed consumption measured at beginning of test, on day 14, and at end of test if extended beyond 14 days?	Yes
Control Mortality: Not more than 10%	0 %
Raw data included?	Yes
Signs of toxicity (if any) were described?	Yes

Mortality

Dosage (mg/kg)	No. of Birds	Cumulative Number of Dead							
		Day of Study							
		1	2	3	4	5	6-8	9-11	12-14
Control	10	0	0	0	0	0	0	0	0
3	10	0	0	0	0	0	0	0	0
6	10	0	0	0	0	0	0	0	0
12	10	2	0	0	0	0	0	0	2
25	10	2	4	5	5	5	5	5	5
50	10	6	8	8	8	8	8	8	8
100	10	3	6	7	7	9	10	10	10

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Other Significant Results:

No signs of toxicity were noted in the 3 and 6 mg ai/kg treatment level. Signs of intoxication at the higher treatment levels included shallow and rapid respiration, reduced reaction time to external stimuli, wing droop, lower limb weakness, lethargy, loose droppings, loss of coordination, and ruffled appearance.

A temporary decline in the body weight of treated birds was observed. No statistical comparisons could be made with the 50 and 100 mg ai/kg treatment groups due to high mortality by day 2. Body weights were significantly lower than control weights on day 3 in the 12 and 25 mg ai/kg treatment groups. By day 7 body weights were significantly lower than controls in all treatment groups. On day 14 only the 25 mg ai/kg exhibited significantly reduced weight.

Due to technician error feed consumption was not measured in the controls for the 0 to 3 day period. Historical control values showed a significant decline in feed consumption at the 25, 50 and 100 mg ai/kg test dosages during the 0 to 3 day period.

Gross necropsy findings included a small pale spleen, discolored liver, pale kidney, yellow fluid in the crop and milky fluid in the GI tract.

Reported Statistical Results

Statistical Method:

LD₅₀: 25 mg/kg

95% C.I.: 17 - 35 mg/kg

NOEL: (Survival): 6 mg/kg

Probit Slope: not reported

NOEL: (Weight): 3 mg/kg

13. Verification of Statistical Results

Statistical Method:

LD₅₀: 24.7 mg/kg

95% C.I.: 17.3 - 35.3 mg/kg

NOEL: (Survival) 6 mg/kg

Probit Slope: 3.4

NOEL: (Weight) 3 mg/kg

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15. REVIEWER'S COMMENTS:

This study is scientifically sound and was conducted in accordance with accepted protocols. It fully meets the requirements for an avian acute oral toxicity test. AC 303,268, a metabolite of AC 303,630, is highly toxic to upland game birds on an acute oral basis.

Eisemann Pirate Metabolite Acute Oral - Northern Bobwhite

CONC.	NUMBER EXPOSED	NUMBER DEAD	PERCENT DEAD	BINOMIAL PROB. (PERCENT)
100	10	10	100	9.765625E-02
50	10	8	80	5.46875
25	10	5	50	62.30469
12	10	2	20	5.46875
6	10	0	0	9.765625E-02
3	10	0	0	9.765625E-02

THE BINOMIAL TEST SHOWS THAT 6 AND 100 CAN BE USED AS STATISTICALLY SOUND CONSERVATIVE 95 PERCENT CONFIDENCE LIMITS, BECAUSE THE ACTUAL CONFIDENCE LEVEL ASSOCIATED WITH THESE LIMITS IS GREATER THAN 95 PERCENT.

AN APPROXIMATE LC50 FOR THIS SET OF DATA IS 25

RESULTS CALCULATED USING THE MOVING AVERAGE METHOD

SPAN	G	LC50	95 PERCENT CONFIDENCE LIMITS	
5	.1145223	24.50899	17.20121	37.99831

RESULTS CALCULATED USING THE PROBIT METHOD

ITERATIONS	G	H
4	.1892409	1

GOODNESS OF FIT PROBABILITY
.930194

SLOPE = 3.392916
95 PERCENT CONFIDENCE LIMITS = 1.916935 AND 4.868896

LC50 = 24.71073
95 PERCENT CONFIDENCE LIMITS = 17.33425 AND 35.33325

LC10 = 10.43702
95 PERCENT CONFIDENCE LIMITS = 4.781838 AND 15.28054

Pirate metabolite AC 303,268 - Northern Bobwhite Actus Oral Test
Combined Sex Weight Data
10:44 Sunday, December 31, 1995

Table with columns: OBS, TRTMT, BIRD, SEX, WT_0, WT_3, WT_7, WT_14, DIPPO_3, DIPPO_7, DIPPO_14. Contains 15 rows of data for control and treatment groups.

Pirate metabolite AC 303,268 - Northern Bobwhite Actus Oral Test
Combined Sex Weight Data
10:44 Sunday, December 31, 1995

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Pirate metabolite AC 303,268 - Northern Bobwhite Actus Oral Test
Combined Sex Weight Data
10:44 Sunday, December 31, 1995

Summary table with columns: Variable, N, Minimum, Maximum, Mean, Variance. Lists variables like WT_0, WT_3, WT_7, WT_14, DIPPO_3, DIPPO_7, DIPPO_14.

Summary table with columns: Variable, N, Std Dev, Std Error. Lists variables like WT_0, WT_3, WT_7, WT_14, DIPPO_3.

Pirate metabolite AC 303,268 - Northern Bobwhite Actue Oral Test
 Combined Sex Weight Data
 10:44 Sunday, December 31, 1995

N Obs	Variable	N	Minimum	Maximum	Mean	Variance
10	WT_0	10	200.0000	232.0000	217.9000	121.6556
3	WT_3	3	181.0000	192.0000	186.0000	31.0000
0	WT_7	0				
0	WT_14	0				
3	DIFPO_3	3	29.0000	43.0000	34.6667	54.3333
7	DIFPO_7	7				
0	DIFPO_14	0				

Pirate metabolite AC 303,268 - Northern Bobwhite Actue Oral Test
 Combined Sex Weight Data
 10:44 Sunday, December 31, 1995

N Obs	Variable	N	Minimum	Maximum	Mean	Variance
10	WT_0	10	194.0000	230.0000	207.4000	153.1556
8	WT_3	8	176.0000	212.0000	194.3750	161.9821
8	WT_7	8	186.0000	221.0000	203.1250	163.5536
8	WT_14	8	187.0000	228.0000	208.5000	207.1429
3	DIFPO_3	3	6.0000	21.0000	14.6250	21.4307
7	DIFPO_7	7	-3.0000	11.0000	5.8750	22.9821
8	DIFPO_14	8	-2.0000	10.0000	0.5000	17.1429

Pirate metabolite AC 303,268 - Northern Bobwhite Actue Oral Test
 Combined Sex Weight Data
 10:44 Sunday, December 31, 1995

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10	WT_0	10	194.0000	230.0000	207.4000	153.1556
8	WT_3	8	176.0000	212.0000	194.3750	161.9821
8	WT_7	8	186.0000	221.0000	203.1250	163.5536
8	WT_14	8	187.0000	228.0000	208.5000	207.1429
3	DIFPO_3	3	6.0000	21.0000	14.6250	21.4307
7	DIFPO_7	7	-3.0000	11.0000	5.8750	22.9821
8	DIFPO_14	8	-2.0000	10.0000	0.5000	17.1429

Pirate metabolite AC 303,268 - Northern Bobwhite Actue Oral Test
 Combined Sex Weight Data
 10:44 Sunday, December 31, 1995

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10	WT_0	10	194.0000	230.0000	207.4000	153.1556
3	WT_3	3	181.0000	192.0000	186.0000	31.0000
0	WT_7	0				
0	WT_14	0				
3	DIFPO_3	3	29.0000	43.0000	34.6667	54.3333
7	DIFPO_7	7				
0	DIFPO_14	0				

Pirate metabolite AC 303,268 - Northern Bobwhite Actue Oral Test
 Combined Sex Weight Data
 10:44 Sunday, December 31, 1995

N Obs	Variable	N	Minimum	Maximum	Mean	Variance
10	WT_0	10	208.0000	246.0000	223.2000	111.7333
5	WT_3	5	179.0000	203.0000	192.4000	102.3000
5	WT_7	5	193.0000	219.0000	205.2000	118.7000
5	WT_14	5	202.0000	230.0000	214.2000	53.8000
5	DIFPO_3	5	25.0000	43.0000	33.6000	46.2000
5	DIFPO_7	5	12.0000	27.0000	20.8000	20.2000
5	DIFPO_14	5	6.0000	16.0000	11.8000	20.2000

Pirate metabolite AC 303,268 - Northern Bobwhite Actue Oral Test
 Combined Sex Weight Data
 10:44 Sunday, December 31, 1995

N Obs	Variable	N	Minimum	Maximum	Mean	Variance
10	WT_0	10	197.0000	237.0000	214.5000	132.7222
10	WT_3	10	192.0000	232.0000	210.5000	113.4333
10	WT_7	10	200.0000	226.0000	215.1000	88.7667
10	WT_14	10	201.0000	226.0000	215.5000	76.5000
10	DIFPO_3	10	0.0000	9.0000	4.4000	7.3776
10	DIFPO_7	10	-6.0000	7.0000	-0.6000	15.6000
10	DIFPO_14	10	-6.0000	6.0000	-1.0000	19.7776

Pirate metabolite AC 303,268 - Northern Bobwhite Actue Oral Test
 Combined Sex Weight Data
 10:44 Sunday, December 31, 1995

N Obs	Variable	N	Minimum	Maximum	Mean	Variance
10	WT_0	10	197.0000	237.0000	214.5000	132.7222
10	WT_3	10	192.0000	232.0000	210.5000	113.4333
10	WT_7	10	200.0000	226.0000	215.1000	88.7667
10	WT_14	10	201.0000	226.0000	215.5000	76.5000
10	DIFPO_3	10	0.0000	9.0000	4.4000	7.3776
10	DIFPO_7	10	-6.0000	7.0000	-0.6000	15.6000
10	DIFPO_14	10	-6.0000	6.0000	-1.0000	19.7776

Pirate metabolite AC 303,268 - Northern Bobwhite Actue Oral Test
 Combined Sex Weight Data
 10:44 Sunday, December 31, 1995

N Obs	Variable	N	Minimum	Maximum	Mean	Variance
10	WT_0	10	197.0000	237.0000	214.5000	132.7222
3	WT_3	3	181.0000	192.0000	186.0000	31.0000
0	WT_7	0				
0	WT_14	0				
3	DIFPO_3	3	29.0000	43.0000	34.6667	54.3333
7	DIFPO_7	7				
0	DIFPO_14	0				

Obs	Variable	N	Minimum	Maximum	Mean	Variance
10	WT_0	10	11.5205	21.5205	16.421	3.6431
	WT_3	10	10.6505	21.3680	15.980	3.3680
	WT_7	10	9.4216	21.9794	15.700	3.2794
	WT_14	10	8.7464	21.7659	15.500	3.2759
	DIP0_3	10	2.7162	0.8859	1.800	0.8859
	DIP0_7	10	3.9497	1.2490	2.500	1.2490
	DIP0_14	10	4.4472	1.4063	3.000	1.4063

Pirate metabolite AC 303,268 - Northern Bobwhite Active Oral Test 16
 Combined Sex Weight Data
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Obs	Variable	N	Minimum	Maximum	Mean	Variance
10	WT_0	10	201.0000	234.0000	214.2000	149.9556
	WT_3	2	163.0000	182.0000	172.5000	180.5000
	WT_7	2	146.0000	154.0000	150.0000	32.0000
	WT_14	2	175.0000	175.0000	175.0000	0.0000
	DIP0_3	2	25.0000	38.0000	31.5000	84.5000
	DIP0_7	2	47.0000	61.0000	54.0000	98.0000
	DIP0_14	2	26.0000	32.0000	29.0000	18.0000

Pirate metabolite AC 303,268 - Northern Bobwhite Active Oral Test 17
 Combined Sex Weight Data
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Obs	Variable	N	Minimum	Maximum	Mean	Variance
10	WT_0	10	12.2456	13.4350	12.8400	0.3600
	WT_3	10	13.4350	15.6569	14.5450	0.4000
	WT_7	10	14.6200	16.8419	15.7300	0.4400
	WT_14	10	15.9124	18.1243	17.0150	0.4800
	DIP0_3	10	9.1924	10.4843	9.8384	0.0200
	DIP0_7	10	9.8995	11.1913	10.5454	0.0300
	DIP0_14	10	10.5426	11.8443	11.1934	0.0400

Pirate metabolite AC 303,268 - Northern Bobwhite Active Oral Test 18
 Combined Sex Weight Data
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Obs	Variable	N	Minimum	Maximum	Mean	Variance
10	WT_0	10	184.0000	248.0000	217.3000	354.9000
	WT_3	10	180.0000	240.0000	211.8000	366.8444
	WT_7	10	190.0000	244.0000	217.5000	314.0556
	WT_14	10	185.0000	251.0000	218.2000	391.2889
	DIP0_3	10	0.0000	9.0000	5.5000	10.5000
	DIP0_7	10	-6.0000	4.0000	-0.2000	12.1778
	DIP0_14	10	-7.0000	8.0000	-0.9000	18.5444

Pirate metabolite AC 303,268 - Northern Bobwhite Active Oral Test 19
 Combined Sex Weight Data
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Obs	Variable	N	Minimum	Maximum	Mean	Variance
10	WT_0	10	18.8388	19.3053	19.0671	0.0233
	WT_3	10	17.7216	19.7810	18.7513	0.0411
	WT_7	10	17.7216	19.7810	18.7513	0.0411
	WT_14	10	17.7216	19.7810	18.7513	0.0411
	DIP0_3	10	3.2404	3.4897	3.3651	0.0103
	DIP0_7	10	3.4897	3.7390	3.6144	0.0103
	DIP0_14	10	4.3063	4.5556	4.4310	0.0103

Pirate metabolite AC 303,268 - Northern Bobwhite Active Oral Test 20
 Combined Sex Weight Data
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General Linear Models Procedure
 Class Level Information

Class	Levels	Values
TRTMT	7	control trt_100 trt_12 trt_25 trt_3 trt_50 trt_6

Number of observations in data set = 70
 Group Obs Dependent Variables

Group	Obs	Dependent Variables
1	70	WT_0
2	48	DIP0_3

Pirate metabolite AC 303,268 - Northern Bobwhite Active Oral Test 21
 Combined Sex Weight Data
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General Linear Models Procedure
 Dependent Variable Information

Group	Obs	Dependent Variables
3	45	DIP0_7 DIP0_14

NOTE: Variables in each group are consistent with respect to the presence or absence of missing values.

Pirate metabolite AC 303,268 - Northern Bobwhite Active Oral Test 22
 Combined Sex Weight Data
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General Linear Models Procedure

Source	DP	Sum of Squares	Mean Square	F Value	Pr > F
Model	6	1476.342857	246.057143	1.54	0.1791
Error	63	10050.000000	159.523810		
Corrected Total	69	11526.342857			

R-Square 0.128084
 C.V. 5.868307
 Root MSE 12.63027
 WT_0 Mean 215.228571

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	6	7071.237500	1178.539583	58.17	0.0001

General Linear Models Procedure
 Pirbate metabolite AC 303/268 - Northern Bobwhite Active Oral Test
 Combined Sex Weight Data
 10:44 Sunday, December 31, 1995

General Linear Models Procedure
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TRTMT Comparison	Simultaneous Lower Confidence Limit		Difference Between Means	Simultaneous Upper Confidence Limit	
	ctrl_25 - control	-3.800		11.100	7.300
ctrl_100 - control	-9.100	5.800	14.900	20.700	
ctrl_6 - control	-9.700	5.200	14.900	20.100	
ctrl_50 - control	-12.500	2.400	14.900	17.300	
ctrl_12 - control	-12.800	2.100	14.900	17.000	
	-19.600	-4.700	14.900	10.200	

General Linear Models Procedure
 Pirbate metabolite AC 303/268 - Northern Bobwhite Active Oral Test
 Combined Sex Weight Data
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Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	6	7071.237500	1178.539583	58.17	0.0001

General Linear Models Procedure
 Pirbate metabolite AC 303/268 - Northern Bobwhite Active Oral Test
 Combined Sex Weight Data
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General Linear Models Procedure
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TRTMT Comparison	Simultaneous Lower Confidence Limit		Difference Between Means	Simultaneous Upper Confidence Limit	
	ctrl_25 - control	-3.800		11.100	7.300
ctrl_100 - control	-9.100	5.800	14.900	20.700	
ctrl_6 - control	-9.700	5.200	14.900	20.100	
ctrl_50 - control	-12.500	2.400	14.900	17.300	
ctrl_12 - control	-12.800	2.100	14.900	17.000	
	-19.600	-4.700	14.900	10.200	

General Linear Models Procedure
 Pirbate metabolite AC 303/268 - Northern Bobwhite Active Oral Test
 Combined Sex Weight Data
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Dependent Variable: DIPPO_7

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	5	7886.802778	1577.360556	73.25	0.0001
Error	39	839.775000	21.532592		
Corrected Total	44	8726.577778			

R-Square C.V. Root MSE DIPPO_7 Mean
 0.903768 111.0718 4.640333 4.17777778

Pirate metabolite AC 303,268 - Northern Bobwhite Active Oral Test 31
 Combined Sex Weight Data
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General Linear Models Procedure

Dependent Variable: DIPPO_7

Source	DF	Type I SS	Mean Square	F Value	Pr > F
TRTMT	5	7886.802778	1577.360556	73.25	0.0001
Error	39	736.100000	18.874359		0.0001
Corrected Total	44	2995.644444			

R-Square C.V. Root MSE DIPPO_7 Mean
 0.754277 227.3266 4.344463 1.91111111

Pirate metabolite AC 303,268 - Northern Bobwhite Active Oral Test 32
 Combined Sex Weight Data
 10:44 Sunday, December 31, 1995

General Linear Models Procedure

Dependent Variable: DIPPO_14

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	5	2259.544444	451.908889	23.94	0.0001
Error	39	736.100000	18.874359		0.0001
Corrected Total	44	2995.644444			

R-Square C.V. Root MSE DIPPO_14 Mean
 0.754277 227.3266 4.344463 1.91111111

Pirate metabolite AC 303,268 - Northern Bobwhite Active Oral Test 33
 Combined Sex Weight Data
 10:44 Sunday, December 31, 1995

General Linear Models Procedure

Dependent Variable: DIPPO_14

Source	DF	Type I SS	Mean Square	F Value	Pr > F
TRTMT	5	2259.544444	451.908889	23.94	0.0001
Error	39	736.100000	18.874359		0.0001
Corrected Total	44	2995.644444			

R-Square C.V. Root MSE DIPPO_14 Mean
 0.754277 227.3266 4.344463 1.91111111

Pirate metabolite AC 303,268 - Northern Bobwhite Active Oral Test 34
 Combined Sex Weight Data
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General Linear Models Procedure

Pirate metabolite AC 303,268 - Northern Bobwhite Active Oral Test 34
 Combined Sex Weight Data
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General Linear Models Procedure

Dunnnett's T tests for variable: DIPPO_7

NOTE: This tests controls the type I experimentwise error for comparisons of all treatments against a control.

Alpha= 0.05 Confidence= 0.95 df= 39 MSB= 21.53259
 Critical Value of Dunnnett's T= 2.664

Comparisons significant at the 0.05 level are indicated by '****'.

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General Linear Models Procedure

Comparison	Lower Confidence Limit	Difference Between Means	Upper Confidence Limit
trt_50 - control	50.724	60.300	69.876
trt_25 - control	50.724	60.300	69.876
trt_12 - control	50.724	60.300	69.876
trt_6 - control	50.724	60.300	69.876
trt_3 - control	50.724	60.300	69.876

Pirate metabolite AC 303,268 - Northern Bobwhite Active Oral Test 35
 Combined Sex Weight Data
 10:44 Sunday, December 31, 1995

General Linear Models Procedure

Dunnnett's T tests for variable: DIPPO_14

NOTE: This tests controls the type I experimentwise error for comparisons of all treatments against a control.

Alpha= 0.05 Confidence= 0.95 df= 39 MSB= 18.87436
 Critical Value of Dunnnett's T= 2.664

Comparisons significant at the 0.05 level are indicated by '****'.

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General Linear Models Procedure

Comparison	Lower Confidence Limit	Difference Between Means	Upper Confidence Limit
trt_50 - control	21.635	30.600	39.565
trt_25 - control	21.635	30.600	39.565
trt_12 - control	21.635	30.600	39.565
trt_6 - control	21.635	30.600	39.565
trt_3 - control	21.635	30.600	39.565

General Linear Models Procedure

Pirate metabolite AC 303,268 - Northern Bobwhite Actue Oral Test 38
Male Weight Data
10:44 Sunday, December 31, 1995

N Obs	Variable	N	Minimum	Maximum	Mean	Variance
5	WT_0	5	201.0000	230.0000	216.2000	140.7000
	WT_3	5	199.0000	231.0000	216.4000	165.8000
	WT_7	5	204.0000	239.0000	222.8000	189.2000
	WT_14	5	202.0000	232.0000	219.0000	188.0000
	DIFPO_3	5	-5.0000	5.0000	-0.2000	14.7000
	DIFPO_7	5	-12.0000	1.0000	-6.6000	29.3000
	DIFPO_14	5	-11.0000	1.0000	-2.8000	22.2000

Pirate metabolite AC 303,268 - Northern Bobwhite Actue Oral Test 39
Male Weight Data
10:44 Sunday, December 31, 1995

N Obs	Variable	N	Minimum	Maximum	Mean	Variance
5	WT_0	5	11.8617	5.3047	5.3047	
	WT_3	5	12.8763	5.7585	5.7585	
	WT_7	5	13.7550	6.1514	6.1514	
	WT_14	5	13.7113	6.1319	6.1319	
	DIFPO_3	5	3.8341	1.7146	1.7146	
	DIFPO_7	5	5.4129	2.4207	2.4207	
	DIFPO_14	5	4.7117	2.1071	2.1071	

Pirate metabolite AC 303,268 - Northern Bobwhite Actue Oral Test 40
Male Weight Data
10:44 Sunday, December 31, 1995

N Obs	Variable	N	Minimum	Maximum	Mean	Variance
5	WT_0	5	204.0000	232.0000	218.8000	106.7000
	WT_3	1	185.0000	185.0000	185.0000	
	WT_7	0				
	WT_14	0				
	DIFPO_3	1	32.0000	32.0000	32.0000	
	DIFPO_7	0				
	DIFPO_14	0				

Pirate metabolite AC 303,268 - Northern Bobwhite Actue Oral Test 41
Male Weight Data
10:44 Sunday, December 31, 1995

N Obs	Variable	N	Minimum	Maximum	Mean	Variance
5	WT_0	5	10.3296	4.6195	4.6195	
	WT_3					
	WT_7					
	WT_14					
	DIFPO_3					

Pirate metabolite AC 303,268 - Northern Bobwhite Actue Oral Test 42
Male Weight Data
10:44 Sunday, December 31, 1995

Pirate metabolite AC 303,268 - Northern Bobwhite Actue Oral Test 42
Male Weight Data
10:44 Sunday, December 31, 1995

N Obs	Variable	N	Minimum	Maximum	Mean	Variance
5	WT_0	5	194.0000	330.0000	205.2000	211.7000
	WT_3	4	182.0000	311.0000	193.2500	154.9167
	WT_7	4	190.0000	319.0000	201.2500	156.9167
	WT_14	4	196.0000	328.0000	207.7500	208.2500
	DIFPO_3	4	6.0000	19.0000	13.5000	33.6667
	DIFPO_7	4	-3.0000	11.0000	5.5000	41.6667
	DIFPO_14	4	-2.0000	2.0000	-1.0000	4.0000

Pirate metabolite AC 303,268 - Northern Bobwhite Actue Oral Test 43
Male Weight Data
10:44 Sunday, December 31, 1995

N Obs	Variable	N	Minimum	Maximum	Mean	Variance
5	WT_0	5	14.5499	6.5069	6.5069	
	WT_3	5	12.4466	6.2233	6.2233	
	WT_7	5	12.5266	6.2633	6.2633	
	WT_14	5	14.4309	7.2154	7.2154	
	DIFPO_3	5	5.8023	2.9011	2.9011	
	DIFPO_7	5	6.4550	3.2275	3.2275	
	DIFPO_14	5	2.0000	1.0000	1.0000	

Pirate metabolite AC 303,268 - Northern Bobwhite Actue Oral Test 44
Male Weight Data
10:44 Sunday, December 31, 1995

N Obs	Variable	N	Minimum	Maximum	Mean	Variance
5	WT_0	5	208.0000	246.0000	221.0000	232.0000
	WT_3	2	179.0000	203.0000	191.0000	288.0000
	WT_7	2	193.0000	219.0000	206.0000	328.0000
	WT_14	2	202.0000	230.0000	216.0000	392.0000
	DIFPO_3	2	29.0000	43.0000	36.0000	98.0000
	DIFPO_7	2	15.0000	27.0000	21.0000	72.0000
	DIFPO_14	2	6.0000	16.0000	11.0000	50.0000

Pirate metabolite AC 303,268 - Northern Bobwhite Actue Oral Test 45
Male Weight Data
10:44 Sunday, December 31, 1995

N Obs	Variable	N	Minimum	Maximum	Mean	Variance
5	WT_0	5	16.2315	6.8118	6.8118	
	WT_3		16.9706	12.0000	12.0000	

Pirate metabolite AC 303,268 - Northern Bobwhite Actue Oral Test 46
Male Weight Data
10:44 Sunday, December 31, 1995

WT_7	18.3848	13.0000
WT_14	19.7990	14.0000
DIFPO_3	9.8895	7.0000
DIFPO_7	8.4853	6.0000
DIFPO_14	7.0711	5.0000

Pirate metabolite AC 303,268 - Northern Bobwhite Actue Oral Test 46
 Male Weight Data
 10:44 Sunday, December 31, 1995

TRTMT=crt_3

N Obs	Variable	N	Minimum	Maximum	Mean	Variance
5	WT_0	5	199.0000	227.0000	216.0000	111.5000
5	WT_3	5	196.0000	232.0000	211.8000	103.7000
5	WT_7	5	200.0000	234.0000	215.0000	86.0000
5	WT_14	5	201.0000	231.0000	215.2000	66.2000
5	DIFPO_3	5	1.0000	7.0000	4.2000	5.2000
5	DIFPO_7	5	-4.0000	7.0000	1.0000	17.5000
5	DIFPO_14	5	-6.0000	6.0000	0.8000	22.7000

Pirate metabolite AC 303,268 - Northern Bobwhite Actue Oral Test 47
 Male Weight Data
 10:44 Sunday, December 31, 1995

TRTMT=crt_3

N Obs	Variable	N	Minimum	Maximum	Mean	Variance
5	WT_0	5	10.5594	4.7233	10.1833	4.5541
5	WT_3	5	10.1833	4.5541	9.2736	4.1473
5	WT_7	5	8.1363	3.6187	2.2804	1.0198
5	WT_14	5	4.1813	1.8708	4.7645	2.1307

Pirate metabolite AC 303,268 - Northern Bobwhite Actue Oral Test 48
 Male Weight Data
 10:44 Sunday, December 31, 1995

TRTMT=crt_50

N Obs	Variable	N	Minimum	Maximum	Mean	Variance
5	WT_0	5	201.0000	234.0000	221.0000	199.0000
5	WT_3	5	163.0000	163.0000	163.0000	0.0000
5	WT_7	5	154.0000	154.0000	154.0000	0.0000
5	WT_14	5	175.0000	175.0000	175.0000	0.0000
5	DIFPO_3	5	38.0000	38.0000	38.0000	0.0000
5	DIFPO_7	5	47.0000	47.0000	47.0000	0.0000
5	DIFPO_14	5	26.0000	26.0000	26.0000	0.0000

Pirate metabolite AC 303,268 - Northern Bobwhite Actue Oral Test 49
 Male Weight Data
 10:44 Sunday, December 31, 1995

TRTMT=crt_50

N Obs Variable Std Dev Std Error

WT_0	14.1067	6.3087
WT_3		
WT_7		
WT_14		
DIFPO_3		
DIFPO_7		
DIFPO_14		

Pirate metabolite AC 303,268 - Northern Bobwhite Actue Oral Test 50
 Male Weight Data
 10:44 Sunday, December 31, 1995

TRTMT=crt_6

N Obs	Variable	N	Minimum	Maximum	Mean	Variance
5	WT_0	5	215.0000	248.0000	226.8000	159.7000
5	WT_3	5	210.0000	340.0000	223.2000	128.7000
5	WT_7	5	213.0000	244.0000	227.4000	133.3000
5	WT_14	5	213.0000	251.0000	239.6000	195.8000
5	DIFPO_3	5	0.0000	8.0000	3.6000	10.3000
5	DIFPO_7	5	-4.0000	4.0000	-0.6000	12.8000
5	DIFPO_14	5	-7.0000	2.0000	-2.8000	10.2000

Pirate metabolite AC 303,268 - Northern Bobwhite Actue Oral Test 51
 Male Weight Data
 10:44 Sunday, December 31, 1995

TRTMT=crt_6

N Obs	Variable	N	Minimum	Maximum	Mean	Variance
5	WT_0	5	12.6372	5.6515	11.3446	5.0735
5	WT_3	5	11.5456	5.1633	43.9929	6.2578
5	WT_7	5	3.2094	1.4353	3.5777	1.6000
5	WT_14	5	3.1937	1.4283		

Pirate metabolite AC 303,268 - Northern Bobwhite Actue Oral Test 52
 Male Weight Data
 10:44 Sunday, December 31, 1995

General Linear Models Procedure
 Class Level Information

Class	Levels	Values
TRTMT	7	control crt_100 crt_12 crt_25 crt_3 crt_50 crt_6

Number of observations in data set = 35

Group Obs Dependent Variables

1	35	WT_0
2	23	DIFPO_3

Pirate metabolite AC 303,268 - Northern Bobwhite Actue Oral Test 53
 Male Weight Data

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General Linear Models Procedure
 Dependent Variable Information
 Group Obs Dependent Variables
 3 22 DIFPO_7 DIFPO_14

NOTE: Variables in each group are consistent with respect to the presence or absence of missing values.

Pirate metabolite AC 303,268 - Northern Bobwhite Active Oral Test 54
 Male Weight Data
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General Linear Models Procedure

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	6	1335.085714	222.514286	1.34	0.2724
Error	28	4645.200000	165.900000		
Corrected Total	34	5980.285714			

R-Square 0.223248 C.V. 5.912331 Root MSE 12.80022 WT_0 Mean 217.857143

Pirate metabolite AC 303,268 - Northern Bobwhite Active Oral Test 55
 Male Weight Data
 10:44 Sunday, December 31, 1995

General Linear Models Procedure

Source	DF	Type I SS	Mean Square	F Value	Pr > F
TRTMT	6	1335.085714	222.514286	1.34	0.2724
Source	DF	Type III SS	Mean Square	F Value	Pr > F
TRTMT	6	1335.085714	222.514286	1.34	0.2724

Pirate metabolite AC 303,268 - Northern Bobwhite Active Oral Test 56
 Male Weight Data
 10:44 Sunday, December 31, 1995

General Linear Models Procedure

Dunnnett's T tests for variable: WT_0

NOTE: This tests controls the type I experimentwise error for comparisons of all treatments against a control.

Alpha=0.05 Confidence=0.95 df=28 MSB=165.9
 Critical Value of Dunnnett's T=2.731
 Minimum Significant Difference=22.249

Comparisons significant at the 0.05 level are indicated by '***'.

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General Linear Models Procedure

TRTMT Comparison	Simultaneous		Difference Between Means	Simultaneous	
	Lower Confidence Limit	Upper Confidence Limit		Lower Confidence Limit	Upper Confidence Limit
trt_6 - control	-11.649	10.600	32.849		
trt_50 - control	-17.449	4.800	27.049		
trt_25 - control	-17.449	4.800	27.049		
trt_100 - control	-19.649	2.600	24.849		
trt_3 - control	-22.449	-0.200	22.049		
trt_12 - control	-33.249	-11.000	11.249		

Pirate metabolite AC 303,268 - Northern Bobwhite Active Oral Test 58
 Male Weight Data
 10:44 Sunday, December 31, 1995

General Linear Models Procedure

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	6	3561.504348	593.584058	29.70	0.0001
Error	16	319.800000	19.987500		
Corrected Total	22	3881.304348			

R-Square 0.917605 C.V. 43.94315 Root MSE 4.470738 DIFPO_3 Mean 10.1739130

Pirate metabolite AC 303,268 - Northern Bobwhite Active Oral Test 59
 Male Weight Data
 10:44 Sunday, December 31, 1995

General Linear Models Procedure

Source	DF	Type I SS	Mean Square	F Value	Pr > F
TRTMT	6	3561.504348	593.584058	29.70	0.0001
Source	DF	Type III SS	Mean Square	F Value	Pr > F
TRTMT	6	3561.504348	593.584058	29.70	0.0001

Pirate metabolite AC 303,268 - Northern Bobwhite Active Oral Test 60
 Male Weight Data
 10:44 Sunday, December 31, 1995

General Linear Models Procedure

Dunnnett's T tests for variable: DIFPO_3

NOTE: This tests controls the type I experimentwise error for comparisons of all treatments against a control.

Alpha= 0.05 Confidence= 0.95 df= 16 MSB= 19.9875
Critical Value of Dunnett's T= 2.938

Comparisons significant at the 0.05 level are indicated by '***'.

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General Linear Models Procedure

Comparison	Simultaneous		Difference		Simultaneous	
	Lower	Upper	Confidence	Between	Confidence	Limit
TRTNT						
ctrl_50 - control	23.810	38.200	52.590		***	
ctrl_25 - control	25.210	36.200	47.190		***	
ctrl_100 - control	17.810	32.200	46.590		***	
ctrl_12 - control	4.888	13.700	22.532		***	
ctrl_3 - control	-3.908	4.400	12.708			
ctrl_6 - control	-4.508	3.800	12.108			

Pirate metabolite AC 303,268 - Northern Bobwhite Actue Oral Test 62
Male Weight Data 10:44 Sunday, December 31, 1995

General Linear Models Procedure

Dependent Variable: DIFP0_7

Source	DF	Sum of Squares	Mean Square	P Value	Pr > F
Model	5	3145.690909	629.138182	23.12	0.0001
Error	16	435.400000	27.212500		
Corrected Total	21	3581.090909			

Pirate metabolite AC 303,268 - Northern Bobwhite Actue Oral Test 63
Male Weight Data 10:44 Sunday, December 31, 1995

General Linear Models Procedure

Dependent Variable: DIFP0_7

Source	DF	Type I SS	Mean Square	P Value	Pr > F
TRTNT	5	3145.690909	629.138182	23.12	0.0001
Source	DF	Type III SS	Mean Square	P Value	Pr > F
TRTNT	5	3145.690909	629.138182	23.12	0.0001

Pirate metabolite AC 303,268 - Northern Bobwhite Actue Oral Test 64
Male Weight Data 10:44 Sunday, December 31, 1995

General Linear Models Procedure

Dependent Variable: DIFP0_14

Source	DF	Sum of Squares	Mean Square	P Value	Pr > F
Model	5	985.4181818	197.0836364	11.17	0.0001
Error	16	282.4000000	17.6500000		
Corrected Total	21	1267.8181818			

R-Square 0.777255 C.V. 462.1329 Root MSB 4.201190 DIFP0_14 Mean 0.90909091

Pirate metabolite AC 303,268 - Northern Bobwhite Actue Oral Test 65
Male Weight Data 10:44 Sunday, December 31, 1995

General Linear Models Procedure

Dependent Variable: DIFP0_14

Source	DF	Type I SS	Mean Square	P Value	Pr > F
TRTNT	5	985.4181818	197.0836364	11.17	0.0001
Source	DF	Type III SS	Mean Square	P Value	Pr > F
TRTNT	5	985.4181818	197.0836364	11.17	0.0001

Pirate metabolite AC 303,268 - Northern Bobwhite Actue Oral Test 66
Male Weight Data 10:44 Sunday, December 31, 1995

General Linear Models Procedure

NOTE: This tests for variable: DIFP0_7
Dunnett's T tests for variable: DIFP0_7
comparisons of all treatments against a control.
Alpha= 0.05 Confidence= 0.95 df= 16 MSB= 27.2125
Critical Value of Dunnett's T= 2.851
Comparisons significant at the 0.05 level are indicated by '***'.

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General Linear Models Procedure

Comparison	Simultaneous		Difference		Simultaneous	
	Lower	Upper	Confidence	Between	Confidence	Limit
TRTNT						
ctrl_50 - control	37.311	53.600	69.889		***	
ctrl_25 - control	15.159	27.600	40.041		***	
ctrl_12 - control	2.125	12.100	22.075		***	
ctrl_3 - control	-1.805	7.600	17.005			
ctrl_6 - control	-3.405	6.000	15.405			

General Linear Models Procedure

General Linear Models Procedure
 Dunnett's T tests for variable: DIFPO_14

NOTE: This tests controls the type I experimentwise error for comparisons of all treatments against a control.
 Alpha= 0.05 Confidence= 0.95 df= 16 MSB= 17.65
 Critical Value of Dunnett's T= 2.851
 Comparisons significant at the 0.05 level are indicated by '****'.

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General Linear Models Procedure

Comparison	Simultaneous Lower Confidence Limit		Simultaneous Upper Confidence Limit	
	Mean	Difference Between Means	Mean	Difference Between Means
TRTNT-control	15.681	28.800	41.919	***
WT_25 - control	3.780	13.800	23.820	***
WT_3 - control	-3.874	3.600	11.174	
WT_12 - control	-6.234	2.800	9.824	
WT_6 - control	-7.574	0.000	7.574	

Pirate metabolite AC 303,268 - Northern Bobwhite Actual Oral Test 70
 Female Weight Data 10:44 Sunday, December 31, 1995

TRTNT-control

N Obs	Variable	N	Minimum	Maximum	Mean	Variance
5	WT_0	5	201.0000	214.0000	209.0000	25.5000
5	WT_3	5	195.0000	214.0000	207.4000	67.3000
5	WT_7	5	204.0000	221.0000	214.0000	50.5000
5	WT_14	5	199.0000	217.0000	208.4000	63.8000
5	DIFPO_3	5	-3.0000	6.0000	0.6000	12.8000
5	DIFPO_7	5	-10.0000	-3.0000	-6.0000	7.0000
5	DIFPO_14	5	-7.0000	4.0000	-0.4000	17.3000

Pirate metabolite AC 303,268 - Northern Bobwhite Actual Oral Test 71
 Female Weight Data 10:44 Sunday, December 31, 1995

TRTNT-control

N Obs	Variable	Std Dev	Std Error
5	WT_0	5.0498	2.2583
5	WT_3	8.2037	3.6688
5	WT_7	7.1063	3.1760
5	WT_14	7.9875	3.5721
5	DIFPO_3	3.5777	1.6000
5	DIFPO_7	2.6458	1.1832
5	DIFPO_14	4.1593	1.8601

TRTNT-crt_100

N Obs	Variable	N	Minimum	Maximum	Mean	Variance
5	WT_0	5	200.0000	232.0000	217.0000	165.0000
2	WT_3	2	181.0000	192.0000	186.5000	60.5000
0	WT_7	0				
0	WT_14	0				
2	DIFPO_3	2	29.0000	43.0000	36.0000	98.0000
2	DIFPO_7	2				
0	DIFPO_14	0				

Pirate metabolite AC 303,268 - Northern Bobwhite Actual Oral Test 73
 Female Weight Data 10:44 Sunday, December 31, 1995

TRTNT-crt_100

N Obs	Variable	Std Dev	Std Error
5	WT_0	12.8452	5.7446
2	WT_3	7.7782	5.5000
0	WT_7		
0	WT_14		
2	DIFPO_3	5.8995	7.0000
2	DIFPO_7		
0	DIFPO_14		

Pirate metabolite AC 303,268 - Northern Bobwhite Actual Oral Test 74
 Female Weight Data 10:44 Sunday, December 31, 1995

TRTNT-crt_12

N Obs	Variable	N	Minimum	Maximum	Mean	Variance
5	WT_0	5	197.0000	226.0000	209.6000	130.8000
4	WT_3	4	176.0000	212.0000	195.5000	219.6667
4	WT_7	4	186.0000	221.0000	206.0000	215.3333
4	WT_14	4	187.0000	227.0000	209.2500	273.5833
4	DIFPO_3	4	13.0000	21.0000	15.7500	12.9167
4	DIFPO_7	4	3.0000	11.0000	6.2500	11.5833
4	DIFPO_14	4	-2.0000	10.0000	2.0000	30.0000

Pirate metabolite AC 303,268 - Northern Bobwhite Actual Oral Test 75
 Female Weight Data 10:44 Sunday, December 31, 1995

TRTNT-crt_12

N Obs	Variable	Std Dev	Std Error
5	WT_0	10.9909	4.9153
4	WT_3	14.8212	7.4306
4	WT_7	14.6742	7.3371
4	WT_14	16.5404	8.2702
4	DIFPO_3	3.5940	1.7970

Variable	N	Minimum	Maximum	Mean	Variance
WT_0	5	222.0000	228.0000	225.4000	7.3000
WT_3	3	188.0000	202.0000	191.3333	57.3333
WT_7	3	197.0000	215.0000	204.6667	86.3333
WT_14	3	207.0000	219.0000	213.0000	36.0000
DIPB_3	3	25.0000	39.0000	32.0000	49.0000
DIPB_7	3	12.0000	25.0000	20.6667	56.3333
DIPB_14	3	8.0000	15.0000	12.3333	14.3333

Pirate metabolite AC 303,268 - Northern Bobwhite Actue Oral Test 76
Female Weight Data
10:44 Sunday, December 31, 1995

TRTMT=cr_25

Variable	N	Minimum	Maximum	Mean	Variance
WT_0	5	222.0000	228.0000	225.4000	7.3000
WT_3	3	188.0000	202.0000	191.3333	57.3333
WT_7	3	197.0000	215.0000	204.6667	86.3333
WT_14	3	207.0000	219.0000	213.0000	36.0000
DIPB_3	3	25.0000	39.0000	32.0000	49.0000
DIPB_7	3	12.0000	25.0000	20.6667	56.3333
DIPB_14	3	8.0000	15.0000	12.3333	14.3333

Pirate metabolite AC 303,268 - Northern Bobwhite Actue Oral Test 77
Female Weight Data
10:44 Sunday, December 31, 1995

TRTMT=cr_25

Variable	N	Minimum	Maximum	Mean	Variance
WT_0	5	2.7019	2.7019	1.2083	0.0000
WT_3	3	7.5719	9.2916	4.3716	1.0000
WT_7	3	9.2916	11.0113	5.3645	1.0000
WT_14	3	6.0000	7.0000	3.4641	0.0000
DIPB_3	3	7.0000	7.0000	4.0415	0.0000
DIPB_7	3	7.5056	7.5056	4.3333	0.0000
DIPB_14	3	3.7859	3.7859	2.1859	0.0000

Pirate metabolite AC 303,268 - Northern Bobwhite Actue Oral Test 78
Female Weight Data
10:44 Sunday, December 31, 1995

TRTMT=cr_3

Variable	N	Minimum	Maximum	Mean	Variance
WT_0	5	197.0000	227.0000	213.0000	181.5000
WT_3	5	192.0000	231.0000	208.4000	144.3000
WT_7	5	202.0000	226.0000	215.2000	113.7000
WT_14	5	203.0000	226.0000	215.8000	105.7000
DIPB_3	5	0.0000	9.0000	4.6000	11.3000
DIPB_7	5	-6.0000	2.0000	-2.2000	11.2000
DIPB_14	5	-6.0000	3.0000	-2.8000	13.7000

Pirate metabolite AC 303,268 - Northern Bobwhite Actue Oral Test 79
Female Weight Data
10:44 Sunday, December 31, 1995

TRTMT=cr_3

Variable	N	Minimum	Maximum	Mean	Variance
WT_0	5	13.4722	13.4722	6.0249	0.0000
WT_3	5	12.0125	12.0125	5.3722	0.0000

WT_7	18.6630	4.7686
WT_14	10.2811	4.5976
DIPB_3	3.2615	1.5031
DIPB_7	3.2466	1.4967
DIPB_14	3.7014	1.6553

Pirate metabolite AC 303,268 - Northern Bobwhite Actue Oral Test 80
Female Weight Data
10:44 Sunday, December 31, 1995

TRTMT=cr_50

Variable	N	Minimum	Maximum	Mean	Variance
WT_0	5	201.0000	213.0000	207.4000	22.8000
WT_3	1	182.0000	182.0000	182.0000	0.0000
WT_7	1	146.0000	146.0000	146.0000	0.0000
WT_14	1	175.0000	175.0000	175.0000	0.0000
DIPB_3	1	25.0000	25.0000	25.0000	0.0000
DIPB_7	1	61.0000	61.0000	61.0000	0.0000
DIPB_14	1	32.0000	32.0000	32.0000	0.0000

Pirate metabolite AC 303,268 - Northern Bobwhite Actue Oral Test 81
Female Weight Data
10:44 Sunday, December 31, 1995

TRTMT=cr_50

Variable	N	Minimum	Maximum	Mean	Variance
WT_0	5	4.7749	4.7749	2.1354	0.0000
WT_3	5	4.7749	4.7749	2.1354	0.0000
WT_7	5	4.7749	4.7749	2.1354	0.0000
WT_14	5	4.7749	4.7749	2.1354	0.0000
DIPB_3	5	4.7749	4.7749	2.1354	0.0000
DIPB_7	5	4.7749	4.7749	2.1354	0.0000
DIPB_14	5	4.7749	4.7749	2.1354	0.0000

Pirate metabolite AC 303,268 - Northern Bobwhite Actue Oral Test 82
Female Weight Data
10:44 Sunday, December 31, 1995

TRTMT=cr_6

Variable	N	Minimum	Maximum	Mean	Variance
WT_0	5	184.0000	234.0000	207.8000	413.2000
WT_3	5	180.0000	227.0000	200.4000	376.3000
WT_7	5	190.0000	233.0000	207.6000	328.3000
WT_14	5	185.0000	232.0000	206.8000	359.7000
DIPB_3	5	4.0000	9.0000	7.4000	4.3000
DIPB_7	5	-6.0000	4.0000	0.2000	14.2000
DIPB_14	5	-5.0000	8.0000	1.0000	22.5000

Pirate metabolite AC 303,268 - Northern Bobwhite Actue Oral Test 83
Female Weight Data
10:44 Sunday, December 31, 1995

TRTMT=cr_6

Variable	N	Minimum	Maximum	Mean	Variance
WT_0	5	13.4722	13.4722	6.0249	0.0000
WT_3	5	12.0125	12.0125	5.3722	0.0000

5	WT_0	20.3272	9.0907
	WT_2	19.3985	8.6753
	WT_7	18.1191	8.1031
	WT_14	18.9658	8.4817
	DIPPO_3	2.0736	0.9274
	DIPPO_7	3.7683	1.6852
	DIPPO_14	4.7434	2.1212

Pirate metabolite AC 303,268 - Northern Bobwhite Actus Oral Test 84
 Female Weight Data
 10:44 Sunday, December 31, 1995
 General Linear Models Procedure
 Class Level Information

Class	Levels	Values
TRTMT	7	control trt_100 trt_12 trt_25 trt_3 trt_50 trt_6

Number of observations in data set = 35

Pirate metabolite AC 303,268 - Northern Bobwhite Actus Oral Test 85
 Female Weight Data
 10:44 Sunday, December 31, 1995
 General Linear Models Procedure
 Dependent Variable Information

Group	Obs	Dependent Variables
1	35	WT_0
2	25	DIPPO_3
3	23	DIPPO_7 DIPPO_14

NOTE: Variables in each group are consistent with respect to the presence or absence of missing values.

Pirate metabolite AC 303,268 - Northern Bobwhite Actus Oral Test 86
 Female Weight Data
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 General Linear Models Procedure

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	6	1318.000000	219.666667	1.64	0.1725
Error	28	3744.400000	133.728571		
Corrected Total	34	5062.400000			

Pirate metabolite AC 303,268 - Northern Bobwhite Actus Oral Test 87
 R-Square 0.260351
 C.V. 5.439373
 Root MSR 11.56411
 WT_0 Mean 212.600000

General Linear Models Procedure
 Dependent Variable: WT_0

Source	DF	Type III SS	Mean Square	F Value	Pr > F
TRTMT	6	1318.000000	219.666667	1.64	0.1725
Source	DF	Type III SS	Mean Square	F Value	Pr > F
TRTMT	6	1318.000000	219.666667	1.64	0.1725

Pirate metabolite AC 303,268 - Northern Bobwhite Actus Oral Test 88
 Female Weight Data
 10:44 Sunday, December 31, 1995
 General Linear Models Procedure
 Dunnett's T Tests for Variable: WT_0

NOTE: This tests controls the type I experimentwise error for comparisons of all treatments against a control.

Alpha = 0.05
 Confidence = 0.95
 df = 28
 MSR = 133.7286
 Critical Value of Dunnett's T = 2.731
 Minimum Significant Difference = 19.976

Comparisons significant at the 0.05 level are indicated by '****'

TRTMT Comparison	Simultaneous Lower Confidence Limit	Difference Between Means	Simultaneous Upper Confidence Limit
trt_25 - control	-2.576	17.400	37.376
trt_100 - control	-10.976	9.000	28.976
trt_3 - control	-14.976	5.000	24.976
trt_12 - control	-18.176	1.600	21.576
trt_6 - control	-20.176	-0.200	19.776
trt_50 - control	-20.576	-0.600	19.376

Pirate metabolite AC 303,268 - Northern Bobwhite Actus Oral Test 90
 Female Weight Data
 10:44 Sunday, December 31, 1995
 General Linear Models Procedure

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	6	3592.210000	598.701667	30.94	0.0001
Error	18	348.350000	19.352778		
Corrected Total	24	3940.560000			

Pirate metabolite AC 303,268 - Northern Bobwhite Actue Oral Test 91
 Female Weight Data
 10:44 Sunday, December 31, 1995

General Linear Models Procedure

Dependent Variable: DIFPO_3

Source	DF	Type I SS	Mean Square	F Value	Pr > F
TRTNT	6	3592.210000	598.701667	30.94	0.0001
Source	DF	Type III SS	Mean Square	F Value	Pr > F
TRTNT	6	3592.210000	598.701667	30.94	0.0001

Pirate metabolite AC 303,268 - Northern Bobwhite Actue Oral Test 92
 Female Weight Data
 10:44 Sunday, December 31, 1995

General Linear Models Procedure

Dependent Variable: DIFPO_3

Dunnett's T tests for variable: DIFPO_3

NOTE: This tests controls the type I experimentwise error for comparisons of all treatments against a control.

Alpha = 0.05 Confidence = 0.95 df = 18 MSB = 19.35276
 Critical Value of Dunnett's T = 2.888

Comparisons significant at the 0.05 level are indicated by '***'.

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General Linear Models Procedure

Simultaneous Lower Confidence Limit

TRTNT Comparison	Lower Limit	Difference Between Means	Upper Confidence Limit
trt_100 - control	24.771	35.400	46.029
trt_25 - control	22.122	31.400	40.678
trt_50 - control	10.484	24.400	38.316
trt_12 - control	6.628	15.150	23.672
trt_6 - control	-1.235	6.800	14.835
trt_3 - control	-4.035	4.000	12.035

Pirate metabolite AC 303,268 - Northern Bobwhite Actue Oral Test 94
 Female Weight Data
 10:44 Sunday, December 31, 1995

General Linear Models Procedure

Dependent Variable: DIFPO_7

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
TRTNT	5	1351.942029	270.388406	13.82	0.0001
Source	DF	Type III SS	Mean Square	F Value	Pr > F
TRTNT	5	1351.942029	270.388406	13.82	0.0001

Model 5 4855.852899 971.170580 59.60 0.0001
 Error 17 277.016667 16.295698
 Corrected Total 22 5132.869565

General Linear Models Procedure

Dependent Variable: DIFPO_7

Pirate metabolite AC 303,268 - Northern Bobwhite Actue Oral Test 95
 Female Weight Data
 10:44 Sunday, December 31, 1995

Source	DF	Type I SS	Mean Square	F Value	Pr > F
TRTNT	5	4855.852899	971.170580	59.60	0.0001
Source	DF	Type III SS	Mean Square	F Value	Pr > F
TRTNT	5	4855.852899	971.170580	59.60	0.0001

Pirate metabolite AC 303,268 - Northern Bobwhite Actue Oral Test 96
 Female Weight Data
 10:44 Sunday, December 31, 1995

General Linear Models Procedure

Dependent Variable: DIFPO_14

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	5	1351.942029	270.388406	13.82	0.0001
Error	17	332.666667	19.568627		
Corrected Total	22	1684.608696			

Pirate metabolite AC 303,268 - Northern Bobwhite Actue Oral Test 97
 Female Weight Data
 10:44 Sunday, December 31, 1995

General Linear Models Procedure

Dependent Variable: DIFPO_14

Source	DF	Type I SS	Mean Square	F Value	Pr > F
TRTNT	5	1351.942029	270.388406	13.82	0.0001
Source	DF	Type III SS	Mean Square	F Value	Pr > F
TRTNT	5	1351.942029	270.388406	13.82	0.0001

Pirate metabolite AC 303,268 - Northern Bobwhite Actue Oral Test 98

General Linear Models Procedure
 Dunnett's T tests for variable: DIFF0_7

NOTE: This tests controls the type I experimentwise error for comparisons of all treatments against a control.
 Alpha= 0.05 Confidence= 0.95 df= 17 MSB= 16.2951
 Critical Value of Dunnett's T= 2.827
 Comparisons significant at the 0.05 level are indicated by '***'

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General Linear Models Procedure

TRTMT Comparison	Simultaneous			Simultaneous		
	Lower Confidence Limit	Difference Between Means	Upper Confidence Limit	Lower Confidence Limit	Difference Between Means	Upper Confidence Limit
ert_50 - control	54.498	67.000	79.502	***		
ert_25 - control	18.332	26.667	35.002	***		
ert_12 - control	4.594	12.250	19.906	***		
ert_6 - control	-1.018	6.200	13.418			
ert_3 - control	-3.418	3.800	11.018			

pirate metabolite AC 303,268 - Northern Bobwhite Active Oral Test 100
 Female Weight Data 10:44 Sunday, December 31, 1995

General Linear Models Procedure

Dunnett's T tests for variable: DIFF0_14

NOTE: This tests controls the type I experimentwise error for comparisons of all treatments against a control.
 Alpha= 0.05 Confidence= 0.95 df= 17 MSB= 19.56863
 Critical Value of Dunnett's T= 2.827
 Comparisons significant at the 0.05 level are indicated by '***'

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General Linear Models Procedure

TRTMT Comparison	Simultaneous			Simultaneous		
	Lower Confidence Limit	Difference Between Means	Upper Confidence Limit	Lower Confidence Limit	Difference Between Means	Upper Confidence Limit
ert_50 - control	18.699	32.400	46.101	***		
ert_25 - control	3.600	12.733	21.867	***		
ert_12 - control	-5.990	2.400	10.790			
ert_6 - control	-6.510	1.402	9.310			
ert_3 - control	-10.310	-2.400	5.510			